

University Departments, Constituent Colleges & DDE (2019-2020)

SI. NO.	Departments / Constituent Colleges	P. No.
FACULTY OF ARTS		
1.	Department of Tamil	3-15
2.	Department of English and Foreign Languages	16-20
3.	Department of Fine Arts	21-28
4.	Department of Women's studies	29-39
5.	Department of Social Work	40-46
6.	Department of Economics and Rural Development	47-60
7.	Department of History	61-64
8.	Department of Library and Information Science	65-71
9.	Dept. of Politics and Public Administration	72-77
10.	Department of Journalism and Mass Communication	78-83
FACULTY OF SCIENCE		
11.	Department of Mathematics	84-97
12.	Department of Physics	98-142
13.	Department of Industrial Chemistry	143-160
14.	Department of Nano Science and Technology	161-181
15.	Department of Energy Science	182-189
16.	Department of Computer Applications	190-203
17.	Department of Computer Science	204-215
18.	Department of Computational Logistics	216-222
19.	Department of Biotechnology	223-249
20.	Department of Animal Health and Management	250-265
21.	Department of Biosensors and Bioelectronics	266-273
22.	Department of Bioinformatics	274-299
23.	Department of Botany	300-307
24.	Department of Microbiology	308-324
25.	Department of Biomedical Science	325-330
26.	Department of O & CAS	331-339

27	Department of Geology	340-344
28	Department of Fisheries Science	345-348
FACULTY OF EDUCATION		
29	Department of Education	349-370
30	Department of Physical Education and Health Science	371-382
31	Department of Life Long Learning	383-387
32	Department of Special Education and Rehabilitation Science	388-397
33	Alagappa Institute of Skill Development	398-407
FACULTY OF MANAGEMENT		
34	Alagappa Institute of Management	408-427
35	Department of Logistics Management	428-438
36	Department of International Business	439-453
37	Department of Commerce	454-471
38	Department of Corporate Secretaryship	472-493
39	Department of Banking Management	494-510
40	Department of Tourism and Hotel Management	511-522
41	Alagappa University College of Education (AUCE)	523-575
42	Alagappa University College of Physical Education (AUPE)	576-611
43	Directorate of Distance Education	612-666
44	Centre for Tamil Culture	667-675

M.A., Tamil	13	-	-	1	1	-	3	2	6	13
M. Phil Tamil	14	-	-	2	2	-	2	4	4	14
Total	27	-	-	3	3	-	5	6	10	27

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.A., Tamil	-	4	2	-	-	5	1	4	16
Total	-	4	2	-	-	5	1	4	16

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil.	-	-	2	2	-	2	4	4	14

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	-	1	1	2	-	3	2	6	11
PG-II Year	-	4	2	-	6	-	5	1	5	10
M. Phil.	-	-	2	2	4	-	2	4	4	10
Ph.D.	-	-	-	-	-	-	-	2	-	2
Total	-	4	5	3	12	-	10	9	14	33

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year										
PG-II Year										
M.Phil.										
Ph.D.	-	-	-	-	-	-	-	2	-	2

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	-	1,056	1,056	1,30,639
Indian Journals	-	-	-	
International Journals	-	-	--	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr. M. PANDI	-	-	-	--	-	-	1	1
Dr. S. RAJARAM	2	-	-	-	3	-	-	5
Thiru. M. NATESAN	-	--	-	-	-	-	1	2
Dr. M. SUTHA	-	-	-	-	10	-	42	11
Dr. C. SURESH	-	-	-	-	2	-	1	1

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	06.09.2019	Seminar	76	-	33	N
2	03.10.2019 & 04.10.2019	Seminar	157	-	128	I

Total Number: 2

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	16.08.2019	பேரா. இராம. இராமநாதன் – ருக்மணி இராமநாதன் 19 ம் ஆண்டு மணிவிழா அறக்கட்டளைச் சொற்பொழிவு	மருத்துவர். திரு. அ. சிவசுப்பிரமணியன் அவர்கள் (சித்ரா மருத்துவர் நிறுவனம், சென்னை நடத்துநர் எஸ்.ஜி.எஸ். தொண்டு மருத்துவமனை,சென்னை மருத்துவர் டி.டி.கே. மருத்துவமனை, சென்னை)	சிலம்பில் பரல்கள் சில	50
2	25.11.2019	RUSA Phase 2.0 25.11.2019 rpwg;Gg; nrhw;nghopT	F. %h;j;P];tup;. Kjd;ikj; njhy;ypay; fz;fhzpg;ghsh;> Mya Ma;Tj; jpl;lk;> ,e;jpaj; njhy;ypay; Jiw> nrd;id	r%f xw;Wikf;Fj; jpUf;Nfhapy;fspd; gq;fspg;G	55
3	11.02.2020	ftpr;nrk;ky; lhf;lh; nu. Kj;Jf;fNzrdhH mwf;fl;lisr; nrhw;nghopT	KidtH. ghif ,uh. fz;zjhrd; mtHfs; cjtpg;NguhRpupaH> jkpo;j;Jiw> NrTfd; mz;zhkiy fiyf;fy;Y}hp> NjtNfhl;il.	ftpr;nrk;ky; lhf;LH nu. Kj;Jf;fNzrdhH gilg;Gfspy; mwk;	55
4.	04.03.2020	gjpg;Gr; nrk;ky; lhf;LH r. nka;ag;gdhH mwf;fl;lisr; nrhw;nghopT	KidtH ,uh. fUzhepjp mtHfs;> cjtpg;NguhRphpaH> jkpo;j;Jiw> muR MltH fiyf;fy;Y}hp> ee;jdk;> nrd;id	jkpo;f; ftpijapd; Nehf;Fk; Nghf;Fk;	50

Total Number: 4

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/Seminar / Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr. M. PANDI	jpUf;Nfhapy;fSk; jkpo;rr%fKk;	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw.	6.09.2019	jpUf;Nfhapy;fSk; Rw;Wr;#oypaYk;	N

Dr. M. PANDI	r%f ey;ypzj;jpw;F jpUf;Nfhapy;fspd; gq;fspg;g	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw.	3.10.2019 & 4.10.2019	midtiuAk; fhf;Fk; milf;fyq; fhj;j ladhh;	I
Dr. S. RAJARAM	International Conference on Interaction between Music, Dance and Culture	Department of Music, Annamalai University, Annamalai Nagar	28.08.2019 & 29.08.2019	Tamilar Marabil Nigalthu Kalaikoorugal,	I
Dr. S. RAJARAM	International Seminar on Samootha Nallinakkathirku Thirukkoilkalin Pangalippu	Department of Tamil, Alagappa University, Karaikudi.	03.10.2019 & 04.10.2019	Samootha Nallinakkathirku Viththitta Devasiriya Mandapam	I
Dr. S. RAJARAM	International Seminar on Koyir Panpadu (Temple Culture)	Center for Tamil Culture, Alagappa University	06.12.2019	Thiruvassagathil Thirukkoyir Panpattu Kalaisorkal	
Dr. S. RAJARAM	International Conference on Regional Art: Melding Tradition with Modernity	Department of Fine Arts, Alagappa University, Karaikudi	09.12.2019 & 10.12.2019.	Nathaperum Paraiyil Vattara Isaikaruvihal	I
Dr. S. RAJARAM	International Conference on Performing Arts & Fine Arts: Challenges and Prospects Today	Department of Fine Arts, Alagappa University, Karaikudi	05.03.2020 & 06.03.2020	Thalaikkol Marapum Adarkalai patriya Panpadusar Purithalum	I
Thiru. M. NATESAN	தமிழ் இலக்கியங்களில் அறிவியல் சிந்தனைகள்	தமிழாய்வுச் சங்கமம் திருச்சிராப்பள்ளி	ஜனவரி 2020	தொல்காப்பியத்தி ல் மாந்தரின் உடல் உயிரியல் கொள்கை	I
Thiru. M. NATESAN	சமூக நல்லிணக்கத்திற்கு திருக்கோயில் களின் பங்களிப்பு	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw.	6.09.2019	jkpoh; jpizrhh; tho;tpy; rkaq;fspd; jhf;Fjy;	I
Thiru. M. NATESAN	jpUf;Nfhapy;fSk; jkpo;r;r%fKk;	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw.	3.10.2019 & 4.10.2019	jkpoh; topghl;L kuGfs;	N
Dr. M. SUTHA	jpUf;NfhapYk; jkpo;r; r%fKk;	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. gf;:57-64. ISBN:978-81- 937507-6-6	06.09.2019	cstp; Nehf;fpy; Nfhapy;fspd; Njhw;wKk; tsh;r;rpAk;>	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	jpUf;NfhapYk; jkpo;r; r%fKk;	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. gf;: 142-148 ISBN:978-81- 937507-6-6	06.09.2019	Nfhapy; tiffs;	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	jpUf;NfhapYk; jkpo;r; r%fKk;	mofg;gh gy;fiyf;fofk;>	06.09.2019	jd;pd;ik kpf;f Filtiug; gps;isahh;	Njrpaf; fUj;juq;

		jkpo;j;Jiw. gf;; 142-148 ISBN:978-81- 937507-6-6			fk;
Dr. M. SUTHA	jpUf;NfhapYk; jkpo;r; r%fKk;	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. gf;; 142-148 ISBN:978-81- 937507-6-6	06.09.2019	jpUf;Nfhapy;fSk; topghLk;	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	jpUf;NfhapYk; jkpo;r; r%fKk;	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. gf;; 142-148 ISBN:978-81- 937507-6-6	06.09.2019	nfhw;wth; mUspa jpUney;iy cila nfhw;wth;Prh; jpUf;Nfhapy;	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	jpUf;NfhapYk; jkpo;r; r%fKk;	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. gf;; 142-148 ISBN:978-81- 937507-6-6	06.09.2019	Fynja;t topghL	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	gz;ilj; jkpo; ,yf;fz ,yf;fpaq;fSk;< ghz;ba ehLk;	nra;aJ mk;khs; fiy kw;Wk; mwptpay; fy;Y}hp> ,uhkehjGuk; ISBN 978-93-86568-373	29.09.2019	Kj;njhs;shapuk; Kd;Dzh;j;Jk; kPd; nfhbahd; ehl;Ltsk;	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	r%f ey;ypzf;fj;jpw;F jpUf;Nfhapy;fspd; gq;fspg;G	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. ISBN:97881934510 14	3 & 4.10.2019	jpUtphf;fspd; Nehf;Fk; Nghf;Fk;	gd;dhl;L f; fUj;juq; fk;
Dr. M. SUTHA	r%f ey;ypzf;fj;jpw;F jpUf;Nfhapy;fspd; gq;fspg;G	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. ISBN:97881934510 14	3 & 4.10.2019	r%f ey;ypzf;fj;jpw;F tpj;jpl;l eLfy; topghLk; rhd;whFk; ,yf;fz ,yf;fpaq;fSk;	gd;dhl;L f; fUj;juq; fk;
Dr. M. SUTHA	r%f ey;ypzf;fj;jpw;F jpUf;Nfhapy;fspd; gq;fspg;G	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. ISBN:97881934510 14	3 & 4.10.2019	ruRtjp topghLk; ek;gpf;iffSk;	gd;dhl;L f; fUj;juq; fk;
Dr. M. SUTHA	r%f ey;ypzf;fj;jpw;F jpUf;Nfhapy;fspd; gq;fspg;G	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. ISBN:97881934510 14	3 & 4.10.2019	ghz;bah;fspd; fiyg;ghzpf;Fr; r%f gzpf;Fk; rhd;W fhl;Lk; Fd;wf;Fb Filtiuf; Nfhapy;fs;	gd;dhl;L f; fUj;juq; fk;
Dr. M. SUTHA	jkpo; ,yf;fpaq;fspy;	cyfj; jkpohuha;r;rp	22.11.2019	r%fr;#oy; nkhopapy;	Njrpaf; fUj;juq;

	rKjha nkhopapay; mZFKiw	epWtdk;> nrd;id> gjjpg;ghrphpah; - Kidth;.Nrh.tprauh td;> Kidth;.eh.RNyhr;r dh. gf;:273-284. ISBN: 978-93- 88972-31-4		Vw;gLj;Jk; jhf;fq;fSk; tifg;ghLk; (ngz;nkhop Nehf;fpy;)	fk;
Dr. M. SUTHA	Regional Art: Melding Tradition with modernity tl;lhuf;fiy etPd;Jld; xd;wpizAk; kuGfs;	Sponsored Under RUSA 2.0 Scheme gf;:173-180 ISBN: 978-8-19- 345100-7, Kjw;gjjpg;G: jprk;gh;-2019. gjjpg;ghrphpah;: R.,uhrhuk;.	09.12.2019 – 10.12.2019	njhy;fhg;gpa Gwj;jpizapapy; Nghh;f;fs Mly;fs;	gd;dhl;L f; fUj;juq; fk;
Dr. M. SUTHA	Regional Art: Melding Tradition with modernity tl;lhuf;fiy etPd;Jld; xd;wpizAk; kuGfs;	Sponsored Under RUSA 2.0 Scheme gf;:235-241 ISBN: 978-8-19- 345100-7, Kjw;gjjpg;G: jprk;gh;-2019. gjjpg;ghrphpah;: R.,uhrhuk;.	09.12.2019 – 10.12.2019	rq;f fhy Mly; tiffs;	gd;dhl;L f; fUj;juq; fk;
Dr. M. SUTHA	cyfj; jkpohuha;r;rp epWtdj;jpd; r%ftpay; fiy	cyfj; jkpohuha;r;rp epWtdj;jpd; r%ftpay; fiy gz;ghl;Lg; GyKk; ltdk; - jkpokay; Ma;T eLtkk; ,ize;J epfo;j;jpa Njrpaf; fUj;juq;fk;. ISBN: 978-93- 88972-37-6	18.12.2019	fw;gpjq;fisf; fl;Lilf;Fk; ngz;nkhopf; ftpijfs; (r%f tpOkpakhd ghypdr; rkepiyia Kd; itj;J)	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	E}y;: Gjpa mZFKiwfspd; top jkpo; nkhop fw;gpj;jy; KiwfSk; fUj;Jg; Gyg;ghLk;.	jkpo; nkhop kw;Wk; nkhopapay; Gyk; el;Jk; gd;dhl;Lf; fUj;juq;fk;. gjjpg;ghrphpah;: Kidth;.Nfh.tprauh ftd;> Kidth;.eh.RNyhr;r dh. gf;:190-198 ISBN: 978-93- 88972-42-0	5.02.2020 – 6.02.2020	jkpo;nkhop fw;wy; fw;gpj;jypy; r%f tiy;j;jsq;fspd; gq;fspg;G (KfE}iy Kd; itj;J)	gd;dhl;L f; fUj;juq; fk;
Dr. M. SUTHA	gd;Kfg;ghh;itapy; rka ,yf;fpaq;fs;	G+rhnfh fpU\;zhk;khs;	24.02.2020	rka ,yf;fpaq;fs;py; cstpay; El;gKk; r%f	gd;dhl;L f;

		kfsph; fy;Y}hp> rhd;yhf;]; gd;dhl;L jkpopay; Ma;tpjo;> gy;fiyf;fof khdpa epjpf; FO> kyh;.4> rpwg;gpjo;.1> gpg;uthp-2020. ISBN: 2454-3993		Nehf;Fk;	fUj;juq; fk;
Dr. M. SUTHA	jkpo; ,yf;fz ,yf;fpaq;fspy; gy;Jiw Ma;T	cyfj; jkpohuha;r;rp epWtdk;	7.03.2020 – 8.03.2020	,yf;fz ,yf;fpaq;fspy; ngz;zhf;fy;	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	jkpo; ,yf;fz ,yf;fpaq;fspy; gy;Jiw Ma;T	cyfj; jkpohuha;r;rp epWtdk;	7.03.2020 – 8.03.2020	ngz;ika tpkh;rdk;	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	jkpo; ,yf;fz ,yf;fpaq;fspy; gy;Jiw Ma;T	cyfj; jkpohuha;r;rp epWtdk;	7.03.2020 – 8.03.2020	nfhw;ifg; Gjpdj;jpy; njhopw;rh; fUtpfs;	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	jkpo; ,yf;fz ,yf;fpaq;fspy; gy;Jiw Ma;T	cyfj; jkpohuha;r;rp epWtdk; ISBN 978-93-88972-64- 2	7.03.2020 – 8.03.2020	ntf;ifg; Gjpdk; fhl;rfp; fupry;fspy; Ntshz;ik	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	5 Days online Course	AVS College of Arts & Science, Salem	13.04.2020 - 17.04.2020	Stress Management	N
Dr. M. SUTHA	One day Webinar	fhnjD fiy> mwptpay; fy;Y}hp> <NuhL	25.04.2020	,yf;fpaKk; tho;tpaYk;	N
Dr. M. SUTHA	Online one day FDP	Dept of Tamil, PSGR Krishnammal College for Women, Kovai	26.04.2020	,izatop fw;wy;> fw;gpj;jy;	N
Dr. M. SUTHA	3 days online course	Dept of Business Administration A.U.S College of Arts & Science	24.04.2020 - 26.04.2020	Effective public speaking,	N
Dr. M. SUTHA	,izatop gapw;rp tFg;G online work shop	,e;jpaf; fy;tprhh; Ma;thsh;fs; mikg;G> jpUr;rp & kNdhz;kzpak; Re;judhh; gd;dhl;Lj; jpuhtplg; gz;ghl;L Ma;T ikak;> Nfusg; gy;fiyf;fofk;	29.04.2020 - 05.05.2020	Muha;r;rp newpKiwfs;	N
Dr. M. SUTHA	One day FDP	Dept of Tamil,	01.05.2020	gilg;ghsh;fspd;	N

	Course	PSGR Krishnammal College for Women, Kovai		r%fg; nghWg;G (,dpnahU tpjp nra;Nthk;)	
Dr. M. SUTHA	,izatopr; rhd;wpjo; tFg;G	= uhkfpU\;zh fiy mwptpay; fy;Y}hp> Nfhit & krptd; gjpg;gfk;> tpOg;Guk;	1.05.2020 - 3.05.2020	jkpopy; J}J ,yf;fpaq;fs;	N
Dr. M. SUTHA	International Webinar	Malini Kishor Sanghvi College of Commerce & Economics Mumbai	2.05.2020	Challenges of Covid-19 Pandemic for Indian Economy	gd;dhl;L f; fUj;juq; fk;
Dr. M. SUTHA	,izatopf; fUj;juq;fk;	muz; gd;dhl;L jkpoha;T kpd;dpjo;> nrd;id	1.05.2020 - 6.05.2020	muz; kpd; Kw;wk;; - I	N
Dr. M. SUTHA	FDP	Arulmigu Palani Andavar Arts College for Women, Palani	4.05.2020 - 6.05.2020	Teaching Learning and Evaluation	N
Dr. M. SUTHA	Two days online FDP	Dept of Tamil, PSGR Krishnammal College for Women, Kovai	08.05.2020 - 09.05.2020	Motivational Speech	N
Dr. M. SUTHA	One day online FDP Course	Dept of Tamil, PSGR Krishnammal College for Women, Kovai	09.05.2020	mwk; \$Wk; jdpq;ghly;fs;	N
Dr. M. SUTHA	3 Days online Course	Arulmigu Palani Andavar College, Palani	11.05.2020 - 13.05.2020	Vermi Culture and Vermi Compost Technology	N
Dr. M. SUTHA	One Week National online one day FDP Course	School of Mathematical sciences, Swamy Ramanand Teerth Marathwada University, Nanded	11.05.2020 - 16.05.2020	ICT Tools for Effective Teaching Learning	N
Dr. M. SUTHA	7 days certificate course	jkpo;g;gy;fiyf;fofk <td>11.05.2020 - 17.05.2020</td> <td>fw;gpj;jy; kw;Wk; epfo;j;jy; Nehf;fpy; ehlf; fy;tp</td> <td>N</td>	11.05.2020 - 17.05.2020	fw;gpj;jy; kw;Wk; epfo;j;jy; Nehf;fpy; ehlf; fy;tp	N
Dr. M. SUTHA	Webinar	Sri Saratha College of Education, Salem	12.05.2020	,izaj; jkpo; gy;Jiw fw;wy; fw;gpj;jy; El;gq;fs;	N
Dr. M. SUTHA	,izatopg; gd;dhl;Lg; gapyuq;fk;	,e;J;jhd; fiy mwptpay; fy;Y}hp> Nfhit	13.05.2020 - 15.05.2020	,izatopj; jkpo; fw;wy; fw;gpj;jy;	Njrpaf; fUj;juq; fk;
Dr. M. SUTHA	One day Webinar	Dept of Library and information	14.05.2020	Library and Scholarly	N

		Science, Alagappa University, Karaikudi		Communication Services	
Dr. M. SUTHA	One day Seminar	gjkthzp kfsph; fiy mwptpay; fy;Y}hp> Nryk;	15.05.2020	jkpopy; xg;gha;T fsq;fSk;> Nfhl;ghLfSk;	N
Dr. M. SUTHA	Mrphpah; tsh;jpwd; Nkk;ghl;L gapw;rp	ey;y Kj;Jf; fTz;lh; kfhyppq;fk; fy;Y}hp> nghs;shr;rp> krptd; gjpg;gfk;.	15.05.2020 - 17.05.2020	FwpQ;rp epy kf;fs; - ,yf;fpa Kuz;ghLfs;	N
Dr. M. SUTHA	Webinar	Dept of Engineering and other Foreign Language, SRM institute of Science and Technology, Chennai	16.05.2020	,yf;fpaq;fs; fhl;Lk; MSikg; gz;Gfs;	N
Dr. M. SUTHA	Five day online workshop	Kamaraj College, Thoothukudi	18.05.2020 - 22.05.2020	Effective online Teaching Methodologies	N
Dr. M. SUTHA	FDP - 6 Days	Jja neQ;rf; fy;Y}hp> jpUg;gj;J}h; & Ma;j vOj;J gd;dhl;Lj; jkpopay; Ma;tpjo;	18.05.2020 - 24.05.2020	,izatopf;fy;tp - jkpo; ,yf;fzk; fw;gpj;jy; El;gq;fs;	N
Dr. M. SUTHA	Seven day National Web Workshop	Dept of Tamil, University of Kerala	20.05.2020 - 26.05.2020	Tholkappiyam	N
Dr. M. SUTHA	7 days international webinar	Sri Ramasamy Naidu Memorial College, Sacred Heart College - Matru Nadaka lyakkam, Chennai	20.05.2020 - 26.05.2020	Theatre Art	gd;dhl;Lf ; fUj;juq;fk;
Dr. M. SUTHA	Seminar	Park's College, Thirupur	21.05.2020	Tamil Culalil Urainadai ilakana nul Uruvakkam	N
Dr. M. SUTHA	,izatop gapw;rp tFg;G	Dept of Tamil, PSGR Krishnammal College Kovai & Inam international , E-Journal	21.05.2020 - 23.05.2020	rpj;jh; ,yf;fpaq;fs;	gd;dhl;Lf ; fUj;juq;fk;
Dr. M. SUTHA	30 days online Workshop	Srimath Sivagnana Balaya Swamigal Tamil Arts & Science College, Mailam	21.05.2020 - 20.06.2020	Tholkapiyam in - Depth Studies	N
Dr. M. SUTHA	Seminar	Park's College, Thirupur	22.05.2020	Puthiya nokkil Tamilaka varalaru	N

				- KILAT	
Dr. M. SUTHA	,izatopr; rhd;wpjo; tFg;G 5 days online course	G+.rh.Nfh fiy mwptpay; fy;Y}hp> Nfhit	25.05.2020 - 29.05.2020	njhy;fhg;gpa ciuahrphpah;fs;	
Dr. M. SUTHA	Onde day Online FDP	NeU fiy mwptpay; fy;Y}hp> Nfhit	26.05.2020	fw;wy; fw;gpj;jy; khzth; mZFKiWAK;> Mrphpah; kjpg;gPLk;	N
Dr. M. SUTHA	,izatop ,uz;L ehs; fUj;juq;fk;	jUk%h;j;jp ,uht;gfJ}h; fty fz;zd; nrl;b ,e;Jf; fy;Y}hp	27.05.2020 - 28.05.2020	njhy; jkpoh; gz;ghl;L vr;rq;fs;	N
Dr. C. SURESH	jpUf;NfhapYk; jkpo;r; r%fKk;	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. gf;:57-64. ISBN:978-81- 937507-6-6	06.09.2019	jpUNtl;il ladh; jpUf;NfhapYk; r%f xw;WikAk; (N)	N
Dr. C. SURESH	r%f ey;ypzf;fj;jpw;F jpUf;Nfhapy;fspd; gq;fspg;G	mofg;gh gy;fiyf;fofk;> jkpo;j;Jiw. ISBN:97881934510 14	3 & 4.10.2019	nghd;ndyp fpuhk jpUf;Nfhapy;fSk; r%f xw;WikAk; (I)	I

Total Number: 65

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr. S. RAJARAM	The Art of Gimmick (Karagattam and Bhavai Dance)	Journal of Interdisciplinary Cycle Research, ISSN No. 0022-1945 Vol.XI, Issue XI. November 2019 PP. 756-760	-	I
Dr. S. RAJARAM	An analogy of Literature and Regional Art	Journal of Interdisciplinary Cycle Research, ISSN NO;0022-1945, Vol.XII, Issue IV, April/2020, pp.954-957.	-	I
Dr. S. RAJARAM	Medication through Temple Flora	International Journal of Advanced Science and Technology, ISSN:2005-4238 IJAST, Vol. 29, No.7s, (2020).pp.5120-5128.	-	I
Dr. M. SUTHA	fhg;gpa khe;jh; gilg;Gk; fUj;JUthf;fq;fSk;	gd;dhl;L ,iza ,jo; rdp- 26> mf;NIhh;-2019. www.geotamil.com ISSN: 1481-2991	-	International Journal
Dr. M. SUTHA	rq;ffhyr; rlq;FfSk;	nrt;tha;-17> jprk;gh;-	-	International

	ngz;fspd; epiyg;ghLk;	2019 ISSN: 1481-2991		Journal
Dr. M. SUTHA	ifNfap khe;jh; gilg;Gk;> fUj;JUthf;fKk;	Shanlax (Published) Vol.4, No.3. January- 2020. (A peer – reviewed – Scholarly, Indexed Quarterly journal) a. ISSN : 2454-3993 b. ISSN : 2582-2810	-	International Journal
Dr. M. SUTHA	njhY;fhg;gpaj;jpy; gazq;fSk; gjpTfSk;	ORCID-ID 000-0002- 6938-7149 (A-Bi-Yearly Peer – Reviewd) jkpo;nkhop kw;Wk; ,yf;fpa gd;dhl;L Ma;tpjo;> VOL.2. Issue- 2. Jan-2020 E-ISSN: 2581-7140	-	International Journal
Dr. M. SUTHA	fsk; khwpAk; khwhg; Nghh;fs; - r%ff; fl;likg;igj; NjhYhpf;Fk; ngz; nkhopf; ftpijfs;	rh;tNjrj; jkpoha;tpjo;> Vol., Iss.2, year-2020. UGC Approved Journal, UGC care India's First DOI Registered Tamil Journal. ISSN : 2582-1113	-	International Journal
Dr. M. SUTHA	Mjpf;fr; r%ff; fl;likg;igj; jfh;f;Fk; khw;W murpaYf;fhd Kd;Ndhbah ngUq;Nfhg;ngz;L?	Vol.2, No:1, 03.01.2020 etPdj; jkpoha;T - 2321- 984x	-	I
Dr. M. SUTHA	fUj;jhf;f Nehf;fpy; jpUf;FwSk; Kj;njhs;shapuKk;	nrk;nkhopj; jkpo;> Vol.8, No:1, 03.01.2020 ISSN: 2321-0737	-	I
Dr. M. SUTHA	fhg;gpa khe;jh; gilg;Gfs;	Peer – Reviewd 06.01.2020 ty;yik ,jo; ISSN 2348-5531	-	I
Dr. M. SUTHA	rka ,yf;fpaq;fspy; ngz;nkhopf; \$WfSk; mit czh;j;Jk; r%f epiyg;ghLk;	rpwe;j Ma;Tf; fl;Liuahfj; Njh;e;njLf;fg;gl;L &.1000/- nuhf;fg;ghpR ngw;wJ. G+rhNfhmu fpU\;zk;khs; kfsph; fy;Y}hp> rhd;yhf;]; gd;dhl;Lj; jkpopay; Ma;tpjo;> gy;fiyf;fof khdpa epjpf;FO ,ize;J elj;jpa gd;Kfg; ghh;itapy; rka ,yf;fpaq;fs;.	-	gd;dhl;Lf; fUj;juq;fk;

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20.09.2019 to 22.09.2019	VEP (உள்ளூர் விழைவுப் பந்தயம் விழைவுப் பந்தயம்)	விழைவுப் பந்தயம் விழைவுப் பந்தயம் விழைவுப் பந்தயம்.	16

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	-	-
VOC/PMT Scholarship awarded	6	-
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	4	-
UGC Rajiv Gandhi Fellowship	-	-
UGC Indra Gandhi single girl child	-	-
Others (if any)	-	-

17. Placement of students / Scholars during 2019-20

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
Ph. D	1 / Guest Lecturer, Government Arts College, Paramakudi	15,000/-

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	-	Laptops	1	Wi-Fi unit	-
Air Conditioners	10	LCD projector	4	Podium	3
Generator/Inverter	1	Xerox machine	1	Interactive board	3
Fax Machines	-	Printers	8	Others (specify)	-
Computers	18	Phones (including intercom)	3	-	-

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	-
Podium –	-
10 KVA Inverter	-

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each : Nil

20. Special Features of the Department / Centre / College : Nil

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Conducted “Viyazha Vattam” for all Students Tamil Language to develop Skills.
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2. Department of English and Foreign Languages

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. P. Madhan	Associate Professor	M.A., M. Phil., Ph.D.	27.09.2006
Dr.S. Valliammai	Assistant Professor	M.A., M. Phil., Ph.D.	04.03.2013
Dr. M. Natarajan	Assistant Professor	M.A., Ph.D.	31.08.2015
Dr.SP. M. Kanimozhi	Assistant Professor	M.A., M. Phil., Ph.D.	31.01.2016
Dr.S. Sudha	Assistant Professor	M.A., M. Phil., Ph.D.	31.01.2016

Total Number: 05 No. of faculty with Ph.D: 05 No of faculty with IT Skills: 05

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
V. Pandiyaraju	Office Assistant	10 th

Total Number: 01 No. of Non-teaching Staff with IT skills: -

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	2	-	-		1	1	1	5

Addition during 2019-20 :-

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	--	1	--	--	--	---	--	--	1

Addition during 2019-20

2. (a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.A., English	ii	M.Phil. English
iii	Ph.D. English	iv	---

3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert/ Dip./PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.A English	186	--	3	1	2	2	29	13	11	61
M. Phil English	65	--	--	1	--	--	06	03	1	11
Total	251	--	3	2	2	2	35	15	12	71

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.A English	--	2	4	1	3	35	16	8	69
Total		2	4	1	3	35	16	8	69

Students Strength (III YEAR): Nil

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil.	--	--	1	--	--	6	3	1	11

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	--	--	--	--	--	2	--	-	2
Ph.D. (Part-Time)	--	--	--	1	--	--	--	-	1

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	--	3	1	2	6	2	29	13	11	55
PG-II Year	--	2	4	1	7	3	35	16	8	62
M. Phil.	--	--	1	--	1	--	6	3	1	10
Ph.D.	--	--	--	--	--	--	--	--	--	--
Total	--	5	6	3	14	5	70	31	20	127

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	--	3	1	2	6	2	29	13	11	55
PG-II Year	--	2	4	1	7	3	35	16	8	62
M.Phil.	--	--	1	--	1	--	6	3	1	10
Ph.D.	--	--	--	--	--	--	--	--	--	--
Total	--	5	6	3	14	5	70	31	20	127

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	--	140	140	2,00,000
Indian Journals	--	2	2	
International Journals	--	2	2	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr. P. Madhan	3	2	1	-	4	2	16	3
Dr.S. Valliammai	1	1	--	-	1	--	1	3
Dr.M. Natarajan	1	1	1	1	6	1	7	1
Dr.SP.M. Kanimozhi	-	1	--	-	3	1	4	1
Dr.S. Sudha	-	1	--	-	1	-	4	2

7. Individual Projects

7. (a) Completed during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. P. Madhan	2017	2019	AURF	Social Realism in the Select Novels of Kiran Desai and Arunthathi Ray	.50
Dr. M. Natarajan	2017	2019	AURF	M.H.Abrams <i>A Glossary of Literary Terms</i> : Tamil Translation	.50

Total Number:02

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. P. Madhan Dr. M. Natarajan	2018	2020	AURF	Women Concepts in Bharathiar's writings: English Translation	3,00,000
Dr. P. Madhan Dr.S. Valliammai Dr. M. Natarajan Dr.SP.M. Kanimozhi Dr.S.Sudha	2018	2020	RUSA	Development of Multimedia Package for Teaching English Novel	29,00,000
Dr.M. Natarajan	2019	2020	ICSSR	Advancement of Integrated Instructional Strategy in Augmenting the Ability of Government Tribal Residential Middle School Teachers in English Language	4,65,500
Dr.S. Valliammai	2017	2019	AURF	Effectiveness of Collaborative Language learning in Improving the Communicative Competence of the Women Student Belonging to the Marginalized sector at the Tertiary Level.	.25
Dr.SP.M. Kanimozhi	2017	2019	AURF	Feministic Voices as Echoed in the Novels of Bama and Buchi Emecheta	.50

Total Number:05

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	25& 26 September 2019	Recent Trends in English Language Teaching	320	04	190	International

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr. P. Madhan	Significance of Literature in the Third Millennium	Rock Pebbles	--	International
Dr. P. Madhan	Christopher Marlowe's Doctor Faustus: A Study	Literary Endeavour	--	International
Dr. P. Madhan	Mythology in Amish Tripathi's The Immortals of Meluha: A Study	Literary Endeavour	--	International
Dr. P. Madhan	A Thematic Analysis of Rohinton	Literary Endeavour	--	International

	Mistry's Family			
Dr.S. Valliammai	Existence of Women in Wordsworth's Poems	Gedrag en Organisatie	--	International
Dr. M. Natarajan	An Idealized Picture of Tribal Life in Arun Joshi's The Strange Case of Billy Biswas	Adalya Journal	--	International
Dr. M. Natarajan	The Exploration of the Theme of Identity Crisis through the Works of Aravind Adiga	Gedrag en Organisatie	--	International
Dr. M. Natarajan	Bama's Harum Scarum Saar & Other Stories: The Portrayal Unveils the Veiled Truth	Our Heritage	--	National
Dr. M. Natarajan	The Portrayal of Blacks in the Short Stories of Langston Hughes: A Study	Research Journal of English Language and Literature	6.8992	International
Dr. M. Natarajan	A Self in Relation to God in Dickinson's Poems	Literary Endeavour	--	International
Dr. M. Natarajan	Representing the under-represented: ethnic world in gita mehta's a river sutra	Research Journal of English Language and Literature	6.8992	International
Dr.SP.M. Kanimozhi	Conflict Between Illusion And Reality: A Feminist Reading Of The Select Plays Of Tennessee Williams	Research Journal of English Language and Literature	6.8992	International
Dr.SP.M. Kanimozhi	Delight and dismay in family life: a study	Journal of Research in Humanities, Arts and Science	--	International
Dr.S.Sudha	Thoughts, Words and Creativity	Gedrag en Organisatie	--	International

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr. P. Madhan Dr. M. Natarajan Dr.SP.M. Kanimozhi	Literary Breeze: An Anthology of Critical Essays	

Total Number:

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
	NSS Camp	Kandanur	10
20,21 & 22 September 2019	VEP	Maruthnagudi	69
16.11.2019	Alumni Meet	Dept. of English	32
16.11.2019	PTA Meet	Dept. of English	45

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	--	--
VOC/PMT Scholarship awarded	06	ALU

Education Loans from Bank	--	--
UGC/CSIR JRF/NET or SLET	--	--
UGC Rajiv Gandhi Fellowship	--	--
UGC Indra Gandhi single girl child	01	UGC
Others (if any)	--	--

17. Placement of students / Scholars during 2019-20

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
M.A.	34	8,000/-

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space		Laptops	1	Wi-Fi unit	1
Air Conditioners	11	LCD projector	2	Podium	2
Generator/Inverter	--	Xerox machine		Interactive board	2
Fax Machines	--	Printers	2		
Computers	52	Phones (including intercom)	2	Others (specify)	

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	65300
Podium –	26335
10 KVA Inverter	320000

20. Special Features of the Department / Centre / College

i.	Coaching for Competitive Examination
ii.	Preparation of dept. magazine by the students
iii.	Placement programmes are organized every year
iv.	Organization of International Conference every year

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Students are actively involving in writing Book Reviews
ii	Students and Scholars organize seminar/workshop/ conference
iii.	Maintenance of Department Gardens
iv.	Participation in extra curricular and co-curricular activities

3. DEPARTMENT OF FINE ARTS

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr.S.Rajaram	Prof.&Head i/c	M.A.,(Tamil),M.A(Ling.)M.Phil., B.Ed.,Ph.d	June 01 2019 Joining /May 30 2020 (Leaving)
Dr.M.S. Kanagathara	Teaching Assistant	M.F.A.,Ph.D	19-07-2016 Joining
Dr.K.Valayapathi	Teaching Assistant	M.A.M.Phil.,Ph.D	02-08-18 Joining
Dr.G.Prabakaran	Teaching Assistant	M.A.,B.Ed.,M.Phil.,Ph.D	02-08-18 Joining
Mr.P.Stubert Sibi	Teaching Assistant	M.F.A., M.Phil.,	July 16 2018 (Joining)
Mr. P. Devaraj	Teaching Assistant	M.F.A.,	Sep, 17 2018 Joining
Mr.G.Vijay Maniyan	Teaching Assistant	M.F.A.,Mphil.,	Oct,30 2019 Joining

Total Number: 7 No. of faculty with Ph.D: 4 No of faculty with IT Skills: 7

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
Mr.D.Surendar	Clerical Assistant	B.Sc.,B.Ed., PGDCA

Total Number: No. of Non-teaching Staff with IT skills:

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing		5	1			1			7
Addition during 2019-20									

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing		1							1
Addition during 2019-20				1					1

2. (a) Programs of Study (UG/PG/M.Phil. /Ph.D/ Diploma, etc) offered by the Dept. / College

i	B.F.A Music	ii	B.F.A. Bharathanatyam
iii	B.F.A. Painting	iv	M.P.A &M.F.A. Music(Vocal)
v	M.P.A & M.F.A Bharathanatyam	vi	Ph.DBharathanatyam
vii	Advance Diploma in Music (Vocal)	Viii	Advance Diploma in Bharathanatyam
ix	Advance Diploma in Violin	x	Advance Diploma in Keyboard
Xi	Diploma in Fine Arts – Drawing and Painting	xii	Diploma in Fine Arts – Folk Music
Xiii	Diploma in Fine Arts – Folk Dance	Xiv	Certificate in Fine Arts – Folk Dance

B.P.A Music(Vocal)	Srilanga		1						1
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3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC/dnc	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	1		1				3			5
PG-II Year			1				1	1		3
M. Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.							2	2		4
Total										

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	1		1				3			5
PG-II Year			1				1	1		3
M.Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total										

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	445/68	77/68	522/68	1,41,153
Indian Journals	NIL	NIL	NIL	
International Journals	NIL	NIL	NIL	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr.S.Rajaram	-	-	-	-	3	-	-	5
Dr.M.S. Kanagathara	-	-	-	-	1	2	-	4
Dr.K.Valayapathi	-	-	-	-	1	-	-	2
Dr.G.Prabakaran	-	-	-	-	-	1	-	1
Mr.P.StubertSibi	-	-	-	-	-	1	-	1
Mr. P. Devaraj	-	-	-	-	-	1	-	1
Mr.G.Vijay Maniyan	-	-	-	-	-	1	-	1

7. Individual Projects

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr.B.Dharmalingam (Sep 2018 to May 2019) Dr.S.Rajaram (June 2019 to May 2020)	September 2018	September 2020	RUSA 2.0	Documentation of National and Regional Dance and Music and Digital Reconstruction	30,00000

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	20.06.2019	World Music Day	70	1	-	National
2	10 th Oct 2019 to 14 th Oct 2019	A week long workshop on “ Conglomeration of Regional Folk Art Forms-Bhawai & Karagattam ”	200	2		National
3	9 th Dec 2019 to 10 th Dec 2019	TWO DAY INTERNATIONAL CONFERENCE ON REGIONAL ART: MELDING TRADITIONS WITH MODERNITY	250	5	76	International
4	11 th Dec 2019	Adjunct Faculty	55	1		International
5	21.02.2020	Nattiyanjali Function	100	-	-	National
4	5 th Mar 2020 to 6 th March 2020	Two Day International Conference on “PERFORMING ARTS & FINE ARTS:CHALLENGES AND PROSPECTS TODAY”	250	2	76	International

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	08.01.2020	-	Dr.R.Kannadasan	Arts	70
2	22.01.2020	-	Pulavar.AR.Me.Meyyandavar	Kavithai	70
3	29.01.2020	-	SP.Muthukumar	Padal	70
4	04.02.2020	-	Dr.R.Anandhi	Health	70
5	12.02.2020	-	K.Muthupandi	Mehandhi	70
6	18.02.2020	-	Dr.B.Dharmalingam	Self Employment	70
7	11.03.2020	-	Rtn.PHF.Er.V.Xeviar.Anthonyraj	-	70

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr.S.Rajaram	International Conference on “Interaction Between Music Dance and Culture”	Department of Music Annamalai University, Chithambaram	28 & 29 August 2019	Thamizhar Marabil Nigazhththu Kalaik Koorugal	International

	International Seminar on Samooha Nallinakkathirku Thirukkoilalin Pangalippu	Department of Tamil, Alagappa University, Karaikudi	03.10.2019 & 04.10.2019	Samooaha Nallinakkathirku Vihthitta Devasiriya MAdapam	International
	Workshop and Seminar on Governance Language	District collectorate office development council hall, Sivaganai	5.11.2019 & 6.11.2019	Workshop talk topic Mozhipeyarpum Kalaichollakkamum Delivered on 05.11.2019	National
	International Seminar on Koyir Panpadu(Temple Culture)	Center for Tamil Culture, Alagappa University	06.12.2019	Thiruvagasathil Thirukkoyir Panpattu Kalaisorkal	International
	TWO DAY INTERNATIONAL CONFERENCE ON REGIONAL ART: MELDING TRADITIONS WITH MODERNITY	Department of Fine Arts, Alagappa University, Karaikudi	9 th Dec 2019 to 10 th Dec 2019	Nathapperum paraiyil marabil vattara isaikkaruvigal	International
	Two Day International Conference on "PERFORMING ARTS & FINE ARTS: CHALLENGES AND PROSPECTS TODAY"	Department of Fine Arts, Alagappa University, Karaikudi and Kalai Kaveri College of Fine Arts, Trichrapalli	5 th Mar 2020 to 6 th March 2020	Thalaikol marabum aadarkalai patrya panpaadusaa r purithalum	International
Dr.M.S.Kanagathara	International Conference on "Interaction Between Music Dance and Culture"	Department of Music Annamalai University, Chithambaram	28 & 29 August 2019	Role of Folk Dances in Mental Health	International
	TWO DAY INTERNATIONAL CONFERENCE ON REGIONAL ART: MELDING TRADITIONS WITH MODERNITY	Department of Fine Arts, Alagappa University, Karaikudi	9 th Dec 2019 to 10 th Dec 2019	Economic Status of Karagattam Dancers	International
	Two Day International Conference on	Department of Fine	5 th Mar 2020 to 6 th March	Kalvi Niruvanagalil	International

	“PERFORMING ARTS & FINE ARTS:CHALLENGES AND PROSPECTS TODAY”	Arts,Alagappa University,Karaikudi and Kalai Kaveri College of Fine Arts,Trichrapalli	2020	Nadanam	
Dr.G.Prabhakaran	TWO DAY INTERNATIONAL CONFERENCE ON REGIONAL ART: MELDING TRADITIONS WITH MODERNITY	Department of Fine Arts,Alagappa University,Karaikudi	9 th Dec 2019 to 10 th Dec 2019	Aatrupadai illakiyangalil kalaigargal	International
Dr.P.Stubert Sibi	TWO DAY INTERNATIONAL CONFERENCE ON REGIONAL ART: MELDING TRADITIONS WITH MODERNITY	Department of Fine Arts,Alagappa University,Karaikudi	9 th Dec 2019 to 10 th Dec 2019	Aathangudi aranmanai ooviyangal oor arimugam	International
Mr.P.Devaraj	TWO DAY INTERNATIONAL CONFERENCE ON REGIONAL ART: MELDING TRADITIONS WITH MODERNITY	Department of Fine Arts,Alagappa University,Karaikudi	9 th Dec 2019 to 10 th Dec 2019	Salvadoor dalin neengana ninaivu ooviyangal – oru paarvai	International
Mr.G.Vijay Maniyan	TWO DAY INTERNATIONAL CONFERENCE ON REGIONAL ART: MELDING TRADITIONS WITH MODERNITY	Department of Fine Arts,Alagappa University,Karaikudi	9 th Dec 2019 to 10 th Dec 2019	Solarkaala kovir suvar ooviya marabil prathipalikum ilakiyath thaakam-vaaimozhi,tamil ilakkiyangal,puraana,ithika asangal	International

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr.S.Rajaram	The Art of Gimmick (Karagattam Bhavai Dance)	Journal of Interdisciplinary Cycle Research,ISSN No.0022-1945 Vol.XI, Issue XI-November 2019 PP.756-760	-	International

Dr.S.Rajaram	An analogy of Literature and Regional Art	Interdisciplinary Cycle Research,ISSN NO:0022-1945,Vol.XII,Issue IV, April/2020,pp:954-957		International
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11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr.S.Rajaram	TWO DAY INTERNATIONAL CONFERENCE ON REGIONAL ART: MELDING TRADITIONS WITH MODERNITY	Department of Fine Arts

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20.09.2019 To 22.09.2019	Village Extension Activities	Aambakudi	52

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	3	Alagappa University RUSA 2.0
VOC/PMT Scholarship awarded	NIL	NIL
Education Loans from Bank	NIL	NIL
UGC/CSIR JRF/NET or SLET	NIL	NIL
UGC Rajiv Gandhi Fellowship	NIL	NIL
UGC Indra Gandhi single girl child	NIL	NIL
Others (if any)	1	RUSA2.0
	1	9 th Cultural Olympiad of Performing Arts Organized by ABSS,Pune at Singapore
	5	Government College of Fine Arts-Kumbakonam

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space		Laptops		Wi-Fi unit	
Air Conditioners		LCD projector		Podium	
Generator/Inverter		Xerox machine		Interactive board	
Fax Machines		Printers			
Computers		Phones (including intercom)		Others (specify)	

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	
Podium –	
10 KVA Inverter	

20. Special Features of the Department / Centre / College

v.	Enriching the knowledge and talents of the younger generation in the traditional Music, Dance and Painting
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21. Best / Innovative Practices followed in the Department / Centre / College

i.	Encouraging the students in participating in various cultural/co-curricular activities related to Fine Arts/Visual Arts and Performing Arts
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4. DEPARTMENT OF WOMEN'S STUDIES

1.(a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. K.MANIMEKALAI	Professor & Head	M.Com., M.Ed., M.Phil., Ph.D., MSW.	Date of Joining : 5 th October 1989
Dr. P.VEERAMANI	Assistant Professor	MWS&CA, M.Phil., MSW, Ph.D.	Date of Joining : 26 th June 2013

Total Number: 02 No. of faculty with Ph.D.: 02 No of faculty with IT Skills: 02

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
Mr. C.SENBAKARAJ	Computer Laboratory Assistant	M.Sc., M.Ed.
Mr. P.K.RAJENDRAN	Office Assistant	H.S.C., FDO

Total Number: 02 No. of Non-teaching Staff with IT skills: 01

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	-	-	-	-	02	-	-	02
Addition during 2019-20									

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	01	-	01	-	-	-	-	02
Addition during 2019-20 - Nil									

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	Ph.D. in Women's Studies	iv	M.A. Integrated Home Science
ii	M.Phil. in Women's Studies	v	P.G. Dip. Gender Studies
iii	M.A. Gender Studies	vi	Certificate Course in Beauty Therapy

Total No. of Programs: 06

3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert./ Dip./PG Dip.)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.A. Int. Home Science	27	-	01	--	02	-	11	04	01	19
M.A. Gender Studies	09	-	01	-	-	-	01	-	02	04
Beauty Therapy (Certificate Programme)	23	-	-	-	-	-	18	03	02	23
Total	59	-	02	-	02	-	30	07	05	46

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MB C	SC/S T	
M.A. Integrated Home Science	-	-	01	01	02	12	04	06	26
M.A. Gender Studies	-	-	-	-	-	01	-	-	01
Total	---	--	01	01	02	13	04	06	27

Students Strength (III YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.A. Integrated Home Science	--	--	--	--	1	3	1	3	8
Total	---	--	--	--	1	3	1	3	8

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	--	--	--	--	---	--	--	--	--
Ph.D. (Part-Time)	--	--	--	--	---	1	--	--	1

3.c: Number of students who appeared for examinations during 2019-20

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC/DNC	SC/ST	Total	OC	BC	MBC/DNC	SC/ST	Total
H.S.I yr.	-	01	-	02	03	-	11	04	01	16
H.S II yr.	-	-	01	01	02	02	12	04	06	24
H.S III yr.	-	-	-	-	-	01	03	01	03	08
G.S I yr.	-	01	-	-	01	-	01	-	02	03
G.S II yr.	-	-	-	-	-	-	01	-	-	01
M. Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	-	02	01	03	06	03	28	09	12	52

3. d: Number of students who passed out during 2019-20

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
H.S.I yr.	-	01	-	02	03	-	11	04	01	16
H.S II yr.	-	-	01	01	02	02	12	04	06	24
H.S III yr.	-	-	-	-	-	01	03	01	03	08
G.S I yr.	-	01	-	-	01	-	01	-	02	03
G.S II yr.	-	-	-	-	-	-	01	-	-	01
M. Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	-	02	01	03	06	03	28	09	12	52

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	830	50	880	49.312
Indian Journals	03	--	03	
International Journals	10	--	10	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/Materials	National	International
Dr.K. MANAIMEKALAI	1	-	2	-	11	-	4	1
Dr. P.VEERAMANI	-	-	-	1	5	-	19	4

7. Individual Projects

7. (a) Completed during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs.lakhs)
	From	To			
Dr.K.MANIMEKALAI	2018	2019	Rural Training Centre	Evaluation study of the training programmes Conducted by Rural Training Centre (2017-2018)	1.15
Dr.K.Manimekalai	2018	2019	National Commission for Women	Prevention and Control of Cybercrime Against Women and Girls: Problems, Issues and Strategies	3.87

Total Number: 02

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs.lakhs)
	From	To			
Dr.K.Manimekalai	2018	2019	AURF	Changing Social Perception on Elder Care: Realities and Responses	3.00
Dr.K.Manimekalai	2018	2019	Rural Training Centre	Evaluation study of the training programmes Conducted by Rural Training Centre(2017-18)	0.85
Dr.K.Manimekalai	2018	2019	RUSA 2.0, ALU	Health Status of Women in Tamil Nadu: Gender Analysis	30.00
Dr.K.Manimekalai	2018	2019	IMPRESS - ICSSR	Prevalence of Screen Addiction among College Students in Sivaganga District-A Gender Analysis Study	6.30
Dr.P.Veeramani	2017	2018	Alagappa University Research Grant	Issues and Challenges of Transgender: with Special Reference to Karaikudi, Sivaganga District	0.25

Total Number: 05

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	15.07.2019	International lecture on "Social Medicine: The Future of Public Health System in India"	100	02	-	International
2	5.08.2019 to 7.08.2019	Faculty Development Programme	45	2	-	National
3	28.08.2019 & 29.08.2019	E-Leader Workshop	45	4	-	National
4	19.09.2019 & 20.09.2019	Two-Day International Conference on "Women, Health and Safety in India",	200	6	-	International
5	19.11.2019 & 20.11.2019	Two -Day Workshop on "Intellectual Property Rights and Entrepreneurship"	75	4	-	National

6	07.01.2020	TNSI 2019 Awareness Programme	250	2	-	National
7	29.05.2020	Webinar on Gender Impact of Covid 19	250	2	-	National
8	30.05.2020	Webinar on Entrepreneurial Opportunities for Women in the Post Pandemic Situation	250	2	-	National

Total Number: 08

9. Endowment Lectures/Guest Lectures arranged during 2019-20

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	15.07.2019	RUSA 2.0. ALU	Prof.Soloman Selvam , Professor of Sociology, Department of History and Sociology, Claflin University, South Carolina, USA	International lecture on social medicine: the future of public health system in India	100
2	24.07.2019	RUSA 2.0. ALU	Dr.Lloyds Fernando , M.B.B.S., M.D., Psychiatrist, Health Care Centre, Alagappa University, Karaikudi	Special Lecture on Stress Management	75
3	31.07.2020	RUSA 2.0. ALU	Mrs.Leema Thomas , Psychologist, Health Care Centre, Alagappa University, Karaikudi – 630 003	Special Lecture on Mental Health	80
4	05.08.2020 to 07.08.2020	EDII, Chennai	1. Mr.Daniel Prabhakaran , Executive - EDII, Chennai 2. Mr.Sampath Kumar , Master Trainer, - EDII, Chennai 3. Mr.Adarsh Mittal , Master Trainer, - EDII, Chennai	Faculty Development Programme	50
5	28.08.2020 & 29.08.2020	EDII, Chennai	Mr. Daniel Prabhakaran , Executive - EDII, Chennai	E-Leader Workshop	45
6	30.08.2020	RUSA 2.0. ALU	Mr. Paul Alagurasan , Director, Ford Trust,	Special Lecture on "Rural Health Care"	50

Total Number: 6

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr.K.Manimekalai	2nd International Interdisciplinary Conference on Gender Studies of women.	Queens Margaret University in Edinburgh, Scotland. London United Kingdom	8 th to 11 th March 2020	Reproductive health of Indian women	International
	Special Lecture Under RUSA 2.0 Social Medicine and future of Public Health India	Department of Women's Studies, Alagappa University, Karaikudi	15.07.2019	Importance of Public Health India	National
	One month	Gandhigram Rural	25.04.201	Prevention of Sexual	National

	Induction training programme for the newly recruited faculties	University, Dindugal	9	Harassment at work place	
	National Conference Preventing and Combating the Trafficking on Women	Department of Women's Studies, Alagappa University Karaikudi	20.03.2019	Preventing and Combating the Trafficking on Women	National
	Two Day National Conference Towards Clean India: A Vision for New India by 2019	Department of Women's Studies, Alagappa University Karaikudi	06&07.03.2019	A Vision for New India by 2019	National
Dr.P.Veeramani	Two days Online workshop on Self Development	Department of Business Administration, Sri Sarada Niketan College Of Science For Women Karur	20th & 21st of April 2020	Attended	National
	National Online Quiz on GST	Department of Commerce, Idhaya College for Women	30th May 2020	Attended	National
	Webinar on Guidelines for Writing an Effective Research paper	Department of Computer Science and Engineering, Mount Zion College of Engineering & Technology, Pudukkottai	6th May 2020	Attended	National
	Webinar on "Library and Scholarly Communication Services"	Department of Library and Information Science, Alagappa University, Karaikudi	14th May 2020	Attended	National
	International Conference on "Current Challenges in Social Work Practice"	Department of Social Work, Sree Narayana Guru College, Coimbatore	2nd March 2020	Current Challenges in Fieldwork Training and Social Work Education	International
	National Workshop on Indian Research Information Network System (IRINS): Adaption & Promotion	Information and Library Network Centre, Gandhinagar, Gujarat in Collaboration with Alagappa University, Karaikudi, Tamil Nadu	8th February 2020	Attended	National
	World Philosophy Day Celebration	Department of Social Work, Alagappa University, Karaikudi Sponsored by the Indian Council of Philosophical Research (ICPR), New Delhi	13th February 2020	Attended	National

	One Day National Symposium on Sardar Vallabhbhai Patel: An Iron Willed Visionary of India	Department of History, Alagappa University, Karaikudi	27th January 2020	Attended	National
	International Conference on "Emerging Challenges of Global business and Road Map for Innovative Solutions"	PG & Research Department of Commerce, Government Arts College, Dharmapuri	16 & 17 December 2019	Workforce Diversity among Employees at Jeyyam Global Food Pvt.Ltd	International
	National Seminar on "The Role of Media and Culture on Indian Family system in the process of Nation Building"	Holy Cross College, Trichy	13 th December 2019	Media: A Tool for Empowerment of Women	National
	Life Skill Education Training (Resource Person)	Shri Ramana Vikash Hr.Sec. School	28 th November 2019	Adolescent Girls and Health	National
	One Day Workshop on National Academic Depository (NAD) for faculty members and students of Alagappa University	Alagappa University	12 th November 2019	Attended	National
	One Day Workshop on Design and Development of MOOCs for Faculty members of Alagappa University and Affiliated Colleges	Alagappa University	8 th November 2019	Attended	National
	International conference on "Addiction to Social Media and its impact on Family, Youth and Children"	Department of Social Work, Alagappa University, Karaikud	5th & 6th November 2019.	Social Media Addiction and its impact among College Students in Dharmapuri	International
	National Seminar on "Greening the Blue: Nourishing people and Nurturing the planet"	Department of Economics & Rural Development, Alagappa University, Karaikudi	16 th October 2019	Attended	National
	International Conference on Women, Health and Safety in India	Department of Women's Studies, Alagappa University, Karaikudi	19 th & 20 th September 2019	Mental Health Status among Married working Women	International
	National Workshop on Innovative new Business	Idhaya College for Women, Sarugani	September 2019	Women Entrepreneurship	National
	National Conference on Institution-	Department of Commerce,	30 th August	Attended	National

	Industry Linkage	Alagappa University & Chambers of Commerce	2019		
	Three Day Workshop on "Research Methods and LaTeX"	Technical and Academic Writing Centre, Alagappa University	24 th -26 th June 2019	Attended	National
	Online Short term Skill Training Programme on Python: Beginners Tutorial	Entrepreneurship, Innovation and Career Hub, Alagappa University, Karaikudi	11 th May 2020 to 17 th May 2020	Attended	National
	Online Short Term Training Programme on Campus to Corporate: A Bridge Course for Corporate World	Entrepreneurship, Innovation and Career Hub, Alagappa University, Karaikud	18 th May 2020 to 24 th May 2020	Attended	National
	Two Days Online Faculty Development Programme (FDP) on "Project Proposals for funding agencies: Preparation and Submission Protocol"	Patrician College Research Committee	16 th May 2020 to 17 th May 2020	Attended	National
	Online Faculty Development Programme on "How to improve Quality in Higher Educational Institutions"	Jain Kanya Pathshala (PG) College, Muzaffarnagar	29 th May 2020 to 3 rd June 2020	Attended	National

11. (a) Research papers published by the Staff in Referred Journals during 2019-20

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr.K Manimekalai	A Study on the Different Domains of Emotional Intelligence among Adolescents in the District of Kottayam, Kerala	International Journal of Multidisciplinary, - ISSN: 2455-3085, June-2019, Vol.- 4, Issue-06.	5.87	International
	Income and food habits on health issues among rural women in Tamil Nadu	International journal of advanced science and technology Vol. 29. No.9s. Scopus: ISSN: 1536 - 1541	-	International
	Infertility: An Alarming Situation in India	International Journal of Scientific & Technology Research Volume 9, Issue 02, Scopus: ISSN 2277-8616	0.31	International
	Strategies to Prevent and Control of Cybercrime Against Women and Girls	International Journal of Innovative Technology and Exploring Engineering Volume 9 Issue 03, Scopus	1.0	International

		(Jan 2020) ISSN No: 2278-3075		
	The Impact of Social Media on Girl Students Health in Sivagangai District	International Journal of Psychosocial Rehabilitation Volume 24 Issue 01, Scopus (2020) ISSN No: 1475-7192	-	International
	Psychosocial Well-being of Working Mothers in Sivagangai District of Tamil Nadu	International Journal of Psychosocial Rehabilitation Volume 24 Issue 01 Scopus (2020) ISSN No: 1475-7192	-	International
	An analysis on the Emotional Intelligence and academic achievement among the students in the District of Kottayam, Kerala	International Journal of Innovative Technology and Exploring Engineering Volume 8 Issue 10S, Scopus (Aug 2019) ISSN No: 2278-3075	-	International
	Working mothers and parenting: health status in India	Care Journal (Aug 2019) International Journal of Applied Research ISSN No: (online) 2394-5869	-	International
	Preventing Child Maltreatment and Promoting Child Well-being: A Gender Perspective View	Care Journal (Oct 2019) International Journal of Multidisciplinary Educational Research Volume 8 Issue 10 (5) ISSN No: 2277- 7881	-	International
	Child Abuse and Preventive Mechanisms	Care Journal (June 2019) Journal of Emerging Technologies and Innovative Research (JETIR) Volume 6 Issue 6 ISSN No: 2349-5162	5.87	International
	Problems faced by Child through Pornography in Society	by UGC Approved Journal Number: 41948, International Journal of Social Science Review (IAHRW) Volume 7, Special Issues 1, March ISSN No. 2347- 3797, NAAS Rating 2.72	-	International
Dr. P. Veeramani	Effect of selective Asanas Intervention on Body mass index among college women	AEGAEUM Journal, ISSN No.0776-3808, May 2020	6.1	International
	Combined Quiet breathing pranayama and mantra meditation practices on self confidence among working women	AEGAEUM Journal, ISSN No.0776-3808, May 2020	6.1	International

	Gender, Ageing and Social Security: A study on Feminists theories Perspective	Alochana Chakra Journal, ISSN NO:2231-3990, May 2020	6.3	International
	Current Challenges in Fieldwork Training and Social Work Education	Indian Place Names, ISSN:2394-3114, March 2020	6.3	National
	Infertility: An Alarming Situation In India	International Journal of Scientific & Technology Research, ISSN 2277-8616, March 2020	0.31	International
	Strategies to Prevent and Control of Cybercrime against Women and Girls	International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN No.2278-3075, January 2020	1.0	International

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr.K.MANIMEKALAI	Clean India for New India	MJP-Publishers, Chennai – 05. ISBN-978-81-8094-323-2

14. (a) Consultancy by Faculty Members during 2019-20

Name of Faculty	Nature of Consultancy	Institution	Value (Rs.Lakhs)	Outcome
Dr.K. Manimekalai	Rural Training Centre- Amaravathipudhur	Sponsored by Indian Bank, IOB, NABARD	1.15lakh	The evaluation study suggested the effective's measures in improving the performance of RTC. With regard to Skill Training Programmes

14. (b) Collaborative Assignments by Department / Faculty during 2019-20

Name of Faculty	Collaborating Institution	Thrust Area	Outcome	Intrinsic Value (Rs. Lakhs)
Dr.K.Manimekalai	Department of Social Work, Alagappa University (AURF – ALU)	Changing Social Perception on Elder Care: Realities and Responses	(On-going project)	3.00

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
24.07. 2019	Special Lecture on “ Stress Management ”	Mary Wollstonecraft Hall, Alagappa University	30 pregnant women
31.07. 2019	Special Lecture titled “ Mental Health ”	Mary Wollstonecraft Hall, Alagappa University	80
30.08. 2019	Special Lecture on “ Rural Health Care ”	Mary Wollstonecraft Hall, Alagappa University	100
11.10. 2019	One day “Take off” Programme on Simulation at Entrepreneurship skills	Conference Hall, Science Block, Alagappa University	50
16.10. 2019	World Food Day	Mary Wollstonecraft Hall, Alagappa University.	60
04.01.200	“Awareness Programme on	Bharath Public School,	275

	importance of Future Education”	Aaravayal	
07.01.2020	Awareness Programme on “ Tamil Nadu Students Innovator -2019”	Convocation Seminar Hall, Alagappa University.	60
11.01.2020	“Awareness Programme on Health and Hygiene”.	Bharath Public School, Aaravayal	60
25.01.2020	“Lecture on Child Rights”	Bharath Public School, Aaravayal	200
01.02.2020	“Lecture on Child Abuse”	Bharath Public School, Aaravayal	180
24.02.2020 to 28.02.2020	Special Lecture on Nutrition And Textiles	Mary Wollstonecraft Hall, Alagappa University	60
02.03.2020	Economic Empowerment of Women through Entrepreneurship	Mary Wollstonecraft Hall Alagappa University	100
03.03.2020	Health and Hygiene	Mary Wollstonecraft Hall Alagappa University	250
04.03.2020	Gender Sensitization Programme for School Students	Alagappa Model Higher Secondary School, Karaikudi.	250
	Lecture on “Gender Equality”		
	Lecture on “Health and Hygiene”		
	Lecture on “Safety and Security of Women”		
	Lecture on “Women Empowerment”		
05.03.2020	Cultural Events for Girl- Students – Song, Dance, Face Painting, Health Queen-Competitions	PG Block, Alagappa University	100
	Quiz Competition On Women’s Education Women Empowerment		30
	Legal Rights		50
	Debate on Gender Equality		30
06.03.2020	Cultural Events for Women Staff (Teaching and Non-teaching Staff) – Women Empowerment	PG Block, Alagappa University	100
	Quiz Competition on Women’s Education Women Empowerment		50
	Legal Rights		100
	Debate on Gender Equality		26
07.03.2020	Rally on Safety and Security of Women	Aariyabhan Bus Stop to Alagappa University	100
	Legal Awareness Programme	Mary Wollstonecraft Hall Alagappa University	100
08.03.2020	Fem Fair 2020 (Career Fair for Women Students)	Mary Wollstonecraft Hall, Alagappa University	100
09.03.2020	International Women’s Day Celebration 2020	L.CT.L.Palaniappa Auditorium Alagappa University,	500

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	--	--
VOC/PMT Scholarship awarded	07	Alagappa University
Education Loans from Bank	--	--
UGC/CSIR JRF/NET or SLET	--	--
UGC Rajiv Gandhi Fellowship	--	--
UGC Indra Gandhi single girl child	--	--
Others (if any)	25	Community Scholarship from T.N. Govt.

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	05 Rooms	Laptops	02	Wi-Fi unit	--
Air Conditioners	04	LCD projector	--	Podium	04
Generator/ Inverter	01 (10 KVA Online UPS)	Copier machine	02	Interactive board	03
Fax Machines	--	Printers	01	Others (specify)	--
Computers	28	Phones (including intercom)	03		

19. Laboratory facilities**(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs**

Description of the Items	Value of Items
Octofive – Interactive boards-	01,95,900/-
Podium –	01,05,340/-
10 KVA Inverter	03,17,250/-

20. Special Features of the Department / Centre / College

vi.	First Statutory Department of Women's Studies in a general University in India.
vii.	First UGC approved Centre for Women's Studies in Tamil Nadu
viii.	The only Department having Free Legal Aid Centre for Women under the aegis of the State Legal Services Authority.
ix.	Ranked as one of the Top Ten EDP Training Centres in the State.
x.	Curriculum also includes field work, in service training and IT components. Higher education partnership in course teaching.
xi.	First University Centre to run Tamil Nadu Government Mahalir Thittam.
xii.	Implemented Human Rights Education in Schools in Sivaganga District
xiii.	Promoting Agency - NABARD-Post Office SHG Linkage –Micro credit scheme.
xiv.	EDII, Chennai -Hub Coordinator

21. Best / Innovative Practices followed in the Department.

<ul style="list-style-type: none"> • Taking the Students to the Real World • Regular classes through online Mode • Online Webinar / Seminars/ Conferences/ Short term Courses • ICT enabled education • Eco-Friendly Class • Film screening followed by discussion in teaching • Emerging Technologies are deployed (i.e.) Khan Academy, Wiki educator, Let's talk, J-gate, Google scholar, Shodhganga, Springer link
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5. DEPARTMENT OF SOCIAL WORK

1 (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr.K.R.Murugan	Professor & Head	M.A., ,M.Phil.,Ph.D. M.S.W	15.2.1996

Total Number: 1 No. of faculty with Ph.D: 1 No of faculty with IT Skills: 1

1. (b) Members of the Non-teaching Staff : Nil

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	-	1	-	-	-	-	-	1
Addition during 2019-20									

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	-	-	-	-	-	-	-	-
Addition during 2019-20	-	-	-	-	-	-	-	-	-

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.S.W Master of Social Work	ii	Ph.D. in Social Work
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2. (b) Name of new Programs (if any) introduced during 2019-20: Nil

3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert/Dip./ PG Dip	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
MSW I yr	19	-	7	4	-	-	4	3	-	19
Total	19	-	7	4	-	-	4	3	-	19

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
MSW II yr	-	4	2	1	-	10	1	4	22
Total	-	4	2	1	-	10	1	4	22

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	-	-	-	-	-	-	-	-	-
Ph.D. (Part-Time)	-	1	-	-	-	-	-	-	1

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
MSW	-	-	-	-	Kerala	-	1	-	1

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	7	4	-	11	-	4	3	-	7
PG-II Year	-	4	2	1	7	-	10	1	4	15
Ph.D.	-	1	-	-	1	-	-	-	-	-
Total	-	12	6	1	19	-	12	4	4	22

Grand Total: 19+22 =41

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	7	4	-	11	-	4	3	-	7
PG-II Year	-	4	2	1	7	-	8	1	4	13
Total	-	11	6	1	18	-	12	4	4	20

Grand Total: 18+20 = 38

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs. In lakhs)
Books/CDs	247	-	247	Nil
Indian Journals	5	-	5	
International Journals	-	-	-	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr.K.R.Murugan	2	-	-	2	14	-	2	14

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period	Funding Agency	Title of the Project	Amount (Rs lakhs)
Dr.K.R.Murugan	On going	RIRD	Third Party Evaluation on MGNREGS	0.67
Dr.K.R.Murugan	On going	AURF	Changing Social Perception on Elder Care: Realities and Responses	3.00
Dr.K.R.Murugan	On going	RUSA 2.0	Addiction to Social Media and its Impact on Family, Youth and Children	30.00

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	2 nd April 2019	Workshop on Addiction to Social Media and its impact on Family, youth & children	120	2	-	National
2	5 th & 6 th November 2019	International Conference on Addiction to Social Media and its impact on Family, youth & children	500	3	40	International

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	10.02.2019	University	Dr.M.Kannan	Research Methodology	41

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr.K.R. Murugan	25TH ASIA PACIFIC JOINT REGIONAL SOCIAL WORK CONFERENCE (IN)	NIMHANS & CHRIST UV	17 - 20 SEPT, 2019	IMPACT OF SOCIAL MEDIA ON THE BEHAVIOUR OF PARENTS WITH SPECIAL REFERENCE TO RELATIONSHIP WITH CHILDREN	International
Dr.K.R. Murugan	EMERGING TRENDS IN ENTREPRENEURSHIP FOR SUSTAINABLE SOCIAL DEVELOPMENT (IN)	ALAGAPPA INSTITUTE OF MANAGEMENT	26th, 27th sept, 2019	SOCIAL MEDIA: AN EMERGING TRENDS IN ENTREPRENEURSHIP FOR SUSTAINABLE DEVELOPMENT	International
Dr.K.R. Murugan	RECENT TRENDS IN ENGLISH LANGUAGE TEACHING (ICRTELT-19) (IN)	DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES	26th, 27th sept, 2019	SOCIAL MEDIA SITE: WEB2.0 TOOLS IN LANGUAGE TEACHING	International
Dr.K.R. Murugan	RECENT TRENDS IN ENGLISH LANGUAGE	DEPARTMENT OF ENGLISH	26th, 27th sept,	SOCIAL MEDIA : ASSISTING FOR LANGUAGE	International

	TEACHING (ICRTELT-19) (IN)	AND FOREIGN LANGUAGES	2019	LEARNING THROUGH BLOG AND WIKI BOOKS	
Dr.K.R. Murugan	RECENT TRENDS IN ENGLISH LANGUAGE TEACHING (ICRTELT-19) (IN)	DEPARTMENT OF ENGLISH AND FOREIGN LANGUAGES	26th, 27th sept, 2019	MEDIA TECHNOLOGY: ITS USE IN ENGLISH LANGUAGE LEARNING	International
Dr.K.R. Murugan	YOGA, MEDITATION AND SPORTS FOR PEACE AND PROSPERITY	DEPARTMENT OF PHYSICAL, EDUCATION AND HEALTH SCIENCES	17th, 18th Oct, 2019	ROLE OF SOCIAL MEDIA ON YOGA AND MEDITATION	National
Dr.K.R. Murugan	<i>International Conference on Addiction to Social Media & Its Impact on Family, Youth and Children</i>	Department of Social Work	5th & 6th nov, 2019	Gender Discrimination and Dominance in social media and its usage	International
Dr.K.R. Murugan	International Conference on Addiction to Social Media & Its Impact on Family, Youth and Children	Department of Social Work	5th & 6th nov, 2019	SOCIAL MEDIA: AN ASSISTIVE INEVITABLE TECHNOLOGY FOR THE PERSONS WITH SPECIAL NEEDS	International
Dr.K.R. Murugan	International Conference on Addiction to Social Media & Its Impact on Family, Youth and Children	Department of Social Work	5th & 6th nov, 2019	SOCIAL MEDIA IN EDUCATION: POSITIVE AND NEGATIVE IMPACT ON STUDENTS	International
Dr.K.R. Murugan	International Conference on Addiction to Social Media & Its Impact on Family, Youth and Children	Department of Social Work	5th & 6th nov, 2019	INEVITABILITY OF SOCIAL MEDIA: IN DISPERSION THROUGH YOUTHS	International
Dr.K.R. Murugan	International Conference on Addiction to Social Media & Its Impact on Family, Youth and Children	Department of Social Work	5th & 6th nov, 2019	ADDICTION OF SOCIAL MEDIA ON YOUTH	International
Dr.K.R. Murugan	International Conference on Addiction to Social	Department of Social Work	5th & 6th nov, 2019	PRIVACY BREACH OF SOCIAL MEDIA AMONG WOMEN,	International

	Media & Its Impact on Family, Youth and Children		9	CHILDREN AND YOUTH	
Dr.K.R. Murugan	International Conference on Addiction to Social Media & Its Impact on Family, Youth and Children	Department of Social Work	6th & 6th nov,2019	High lights of wireless data subscribers of India with reference to Telecom regulatory Authority of India (TRAI) report 2018	Inter national
Dr.K.R. Murugan	International conference on yoga for harmony of body and mind (ICYHBM-2019)	ALAGAPPA UNIVERSITY COLLEGE OF PHYSICAL EDUCATION	24th & 25th October , 2019	SOCIAL MEDIA AS A SOUL COMMUNICATION TO PROMOTE YOGA	Inter national
Dr.K.R. Murugan	4th international conference on ecological well being: A psycho - social perspective.	Anugraha College	7th & 8th Feb, 2020	Smart phone Radiations - A new ecological destruction	Inter national

Total Number: 15

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr.K.R.Murugan	Challenging Faced by Women Farmers In Rural Agriculture	International Contemporary Research Journal in Management and Social Science	-	Inter national
Dr.K.R.Murugan	Empowering Women Framers Participation in organic Agriculture	International Journal of Multidiplinary Education Research (SCOPUS)	-	Inter national
Dr.K.R.Murugan	Reasons for School Drop-Outs at Primary level in Sivagangai District of Tamil Nadu	Shanlax international Journal of Arts and Science and Humanities	-	Inter national
Dr.K.R.Murugan	Sustainable Urbanization: Issues And Challenges For Effective Urban Governance	International Journal of Research in Social Sciences	-	Inter national
Dr.K.R.Murugan	Sustainable Green Business(NCSGB2018)	Shanlax international Journal of Arts and Science and Humanities	-	Inter national

Total Number: 5

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr.K.R.Murugan	Social Media Addiction	ISBN 978-81-934473-8-3
Dr.K.R.Murugan	Character Building : Sensitizing the Youth with Ideologies of Swami Vivekananda	ISBN 978-81-934473-5-2

Total Number: 2

11. (c) Monographs/Course Materials written by the Faculty Member during 2019-20.

Name of the Faculty	Title of the monograph/Course Material	Name of the Publisher
Dr.K.R.Murugan	Gender & Society	Directorate of Distance Education, Alagappa University

Total Number: 1

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
September 2019	Village Extension Programme	Vettaikaranpatti	19
3 rd to 6 th March 2020	Rural Camp	Sirumalai, Dindigul	22
Each Wednesday and Thursday of a semester	Field Work Practicum	Trichy, Madurai, Sivagangai	41
16.10.2019	Road Safety Awareness Rally	Karaikudi	19

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	-	-
VOC/PMT Scholarship awarded	6	-
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	-	-
UGC Rajiv Gandhi Fellowship	-	-
UGC Indra Gandhi single girl child	-	-
Others (if any)	-	-

17. Placement of students / Scholars during 2019-20

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
MSW	1	15,000/-

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	✓	Laptops	3	Wi-Fi unit	-
Air Conditioners	1	LCD projector	2	Podium	3
Generator/Inverter	1	Xerox machine	1	Interactive board	2
Fax Machines	-	Printers	2		
Computers	16	Phones (including intercom)	4	Others (specify)	-

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards- 2 nos	Rs. 1,38,000/-

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each : Nil

20. Special Features of the Department / Centre / College

xv.	ICT enabled Learning Facility
xvi.	24 x 7 WiFi Internet Facility
xvii.	Subscription of Online Social Work Journals
xviii.	Organizing Webinars and International Virtual Lecture Programme

21. Best / Innovative Practices followed in the Department / Centre / College

<ul style="list-style-type: none">• Creative Teaching• Audio & Video Tools• “Real-World” Learning• Brainstorming sessions• Stimulating Classroom Environment
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6. DEPARTMENT OF ECONOMICS AND RURAL DEVELOPMENT

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. A. Narayanamoorthy	Senior Professor & Head	M.A., M.Phil., Ph.D	28/01/2008
Dr. R. Suresh	Assistant Professor	M.A., M.Phil., Ph.D	01/02/2016
Dr. K. Ramesh Kumar	Assistant Professor	M.B.E., Ph.D	04/02/2016

Total Number: 03 No. of faculty with Ph.D: 03 No of faculty with IT Skills: 03

1. (b) Members of the Non-teaching Staff: 02

Name	Designation	Qualification
Mr. A. Arumugakarthykeyan	Junior Assistant cum Typist	M.C.A
Mr. R. Dharmaraj	Office Assistant (U)	10 th

Total Number: 01 No. of Non-teaching Staff with IT skills: 01

1. (c) Community-wise Number of Faculty members: 03

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	--	02	--	01	--	--	--	--	03

Addition during 2019-20 - Nil

1. (d) Community-wise Number of non-teaching staff members : 02

Category	Male				Female				Total
	O C	BC	MB C	SC/ST	OC	BC	MBC	SC/ST	
Existing	--	01	--	01	--	--	--	--	02

Addition during 2019-20 - Nil

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.A	ii	M.Phil.
iii	Ph.D.	iv	---

3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert/Dip./PG Dip	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
MA Economics I year	28	--	--	--	01	01	07	06	05	20
M.Phil Economics	05	--	--	--	--	--	01	--	04	05
Total	33	--	--	--	01	01	08	06	09	25

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
MA Economics II year	--	01	--	01	--	08	03	03	16
Total	--	01	--	01	--	08	03	03	16

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil Economics	--	--	--	--	--	01	--	04	05

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	--	--	--	--	--	02	--	--	02
Ph.D. (Part-Time)	--	--	--	--	--	--	--	--	--

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
Ph.D. (Full-Time)	--	--	--	--	Kerala	--	01	01	02
MA Economics	--	--	--	--	Assam	--	01	01	

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	--	--	--	01	01	01	07	06	05	19
PG-II Year	--	01	--	01	02	--	08	03	03	14
M. Phil.	--	--	--	--	--	--	01	--	04	05
Ph.D.	--	--	--	--	--	--	--	--	--	--
Total	--	01	--	02	03	01	16	09	12	38

Grand Total: 41

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	--	--	--	01	01	01	07	06	05	19
PG-II Year	--	01	--	01	02	--	08	03	03	14
M.Phil.	--	--	--	--	--	--	01	--	04	05
Ph.D.	--	--	--	--	--	--	--	--	--	--
Total	--	01	--	02	03	01	16	09	12	38

Grand Total: 41

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	748	419	1167	200002.00
Indian Journals	--	--	--	
International Journals	--	--	--	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr. A.	01	03	N	26	3	3	9	3

Narayanamoorthy								
Dr. R. Suresh	--	01	--	2	--	--	13	3
Dr. K. Ramesh Kumar	--	01	N	--	4	--	10	5

7. Individual Projects

7. (a) Completed during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
K. Ramesh Kumar	2019	2020	ICSSR-IMPRESS New Delhi	Socio-economic Changes in Rural Tamil Nadu: A Study on Disparities in Rural Non-Farm Employment	4,00,000.00

Total Number: 01

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
A. Narayanamoorthy	2019	2021	Jain Irrigation Systems Limited (JISL), Jalgaon, Maharashtra,	"Drip Irrigation, Energy Use and CO2 Reduction Nexus: An Empirical Analysis from Tamil Nadu, India"	6.93

Total Number: 01

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	October 16, 2019	Seminar on "Greening the Blue : Nourishing People and Nurturing the Planet" as part of the World Food Day Celebrations (2019)	120	04	32	N
2	January 30-31, 2020	International Seminar on "Micro-Irrigation in India: Economics, Impact and Potential"	225	20	50	I
3	March 10, 2020	Seminar on "ACT NEXT: Nobel Prize in Economics, 2019"	140	03	37	N

Total Number: 03

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	July 15, 2019	Special Lecture	Dr. M. Sureshbabu, Professor of Economics, Department of Humanities and Social Sciences, Indian Institute of Technology (IIT), Madras.	Special Lecture on "Union Budget: 2019-20"	110

Total Number: 01

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/Seminar/Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
A. Narayanamoorthy	workshop on 'Union Budget-2019'	Madras Institute of Development Studies, Chennai.	August 9, 2019.	"Agriculture in Union Budget 2019-20"	N
A. Narayanamoorthy	Leadership for Academicians Programme (LEAP 2019-20)	Indian Institute of Technology (BHU), Varanasi, UP.	December 8-21, 2019.	Attended	N
A. Narayanamoorthy	Leadership for Academicians Programme (LEAP 2019-20)	Cambridge Judge Business School, University of Cambridge, UK.	January 20-24, 2020.	Attended	I
A. Narayanamoorthy	International Seminar on "Micro-Irrigation in India: Economics, Impact and Potential"	Department of Economics and Rural Development, Alagappa University, Karaikudi.	January 30-31, 2020.	"Can Micro-Irrigation Reduce Farm Risks?: Results from different Crops and Locations"	I
A. Narayanamoorthy	International Conference on "Liberalization, Privatization and Globalization: Three Decades of Experience in India"	Department of Economics, The Gandhigram Rural University, Gandhigram, Dindigul, Tamil Nadu.	February 15, 2020.	"Liberalization, Privatization and Globalization : Three Decades of Experience in India"	I
A. Narayanamoorthy	79th Annual Conference of the Indian Society of Agricultural Economics	Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh.	November 21-23, 2019.	"System of Rice Intensification (SRI) for Mitigating the Risks of Climate Change: A Study of Three Settings from Tamil Nadu"	N
A. Narayanamoorthy	33rd Annual Conference of Indian Society of	Acharya Nagarjuna University, Guntur,	November 7-9, 2019.	"Doubling Farm Income in	N

	Agricultural Marketing	Andhra Pradesh.		India: Strategies and Options”	
A. Narayanamoorthy	Lecture Series Programme	Department of Economics, The Gandhigram Rural University, Gandhigram, Dindigul, Tamil Nadu.	March 4, 2020.	“Climate Change and Water in India”	N
A. Narayanamoorthy	National Level Seminar on ‘Indian Agricultural Crisis: The Way Forward’	Centre for Research in Economics and Social Development and Department of Economics Periyar University, Salem.	March 13-14, 2020.	“What is Appropriate Cost that can be Used to fix MSP in India?”	N
A. Narayanamoorthy	Webinar	Department of Economics and Rural Development, Alagappa University, Karaikudi.	May 28, 2020.	“Opportunities after studying M.A., Economics”	N
A. Narayanamoorthy	Two week Capacity Building Programme for Faculty Members and Research Scholars	UGC-STRIDE Component-I by Alagappa University, Karaikudi.	June 17, 2020.	“Identifying the Research Problem and Preparing Research Proposal”	N
A. Narayanamoorthy	Webinar	Department of Economics, Government Arts for Women, Pudukkottai.	June 22, 2020.	“Corona Induced Lockdown and Indian Agriculture”	N
R. Suresh	Three day workshop on “Research Methods and LaTeX”	Technical and Academic Writing Centre, Alagappa University, Karaikudi.	June 24-26, 2019.	Participated	N
R. Suresh	Three day international workshop on “E-content Development for MOOCs among the Faculty Members”	Digital Education Cell, Alagappa University, Karaikudi.	September 10-13, 2019.	Participated	N
R. Suresh	Seminar on “Greening the Blue: Nourishing People and Nurturing the Planet”	Department of Economics and Rural Development, Alagappa University, Karaikudi, Tamil Nadu.	October 16, 2019.	Participated	N

R. Suresh	One day international workshop on "Publishing in Scopus Indexed, ERA and ABDC Journals"	Department of Corporate Secretaryship, School of Management, Alagappa University, Karaikudi.	October 18, 2019.	Participated	I
R. Suresh	One day national symposium on "Keeladi Archaeological Excavations"	Department of History, Alagappa University, Karaikudi.	October 30, 2019.	Participated	N
R. Suresh	33rd Annual Conference of Indian Society of Agricultural Marketing	Department of Economics, Acharya Nagrjuna University and Institute of Development Studies, Guntur, Andhra Pradesh.	November 7-9, 2019.	"Profitability of Paddy Cultivation: A Comparative Analysis of Andhra Pradesh and Punjab"	N
R. Suresh	79th Annual Conference of the Indian Society of Agricultural Economics	Department of Agricultural Economics, Indira Gandhi Krishi Vishwavidyalaya, Raipur, Chhattisgarh.	November 21-23, 2019.	"System of Rice Intensification (SRI) for Mitigating the Risks of Climate change"	N
R. Suresh	One day national symposium on "Saradr Vallabhbai Patel: An Iron Willed Visionary of India"	Department of History, Alagappa University, Karaikudi.	January 27, 2020.		N
R. Suresh	One day national symposium on "Saradr Vallabhbai Patel: An Iron Willed Visionary of India"	Department of History, Alagappa University, Karaikudi.	January 27, 2020.		N
R. Suresh	International Seminar on "Micro-Irrigation in India: Economics, Impact and Potential"	Department of Economics and Rural Development, Alagappa University, Karaikudi.	January 30-31, 2020.	"Economic Impact of Drip method of Irrigation on Cotton cultivation: An Analysis of Field Survey data"	I
R. Suresh	National Workshop on "Indian	Information and Library Network	February 8, 2020.		N

	Research Information Network System (IRINS): Adaption & Promotion”	(INFLIBNET) Centre, Gandhinagar, Gujarat in Collaboration with Alagappa university, Karaikudi.			
R. Suresh	International Conference on “Liberalization, Privatization and Globalization – three decades of Experience in India”	Department of Economics, The Gandhigram Rural Institute, Gandhigram.	February 14-15, 2020.	“Farm Profitability during pre and post Economic Liberalization Period: A study of different crops from Andhra Pradesh”	I
R. Suresh	Five day faculty development programme on “Monitoring Field Engagement of Higher Education Institutions for 100% Achievement in the Practices of Comprehensive Sanitation Management (including ODF)”	Mahatma Gandhi National Council of Rural Education, Hyderabad, held at PSG College of Arts and Science, Coimbatore.	February 11 to 15, 2020.		N
R. Suresh	Training Programme for Placement Coordinators on “Train the Trainers”	placement cell and Entrepreneurship, innovation and Career Hub, Alagappa university, Karaikudi.	February 25, 2020.		N
R. Suresh	Seminar on “ACT NEXT: Nobel Prize in Economics 2019”	Department of Economics and Rural Development, Alagappa University, Karaikudi.	March 10, 2020.		N
R. Suresh	Two Weeks Faculty Development Programme on “Managing Online Classes and Co-Creating Moocs: 2.0”	Ramanujan College, University of Delhi, Delhi.	May 18 to June 03, 2020.		N

K. Ramesh Kumar	105th Orientation Programme	UGC-HRDC, bharathidasan University, Tiruchirapalli.	August 20 to September 09, 2020.	Participated	N
K. Ramesh Kumar	61st Annual Conference	Indian Society of Labour Economics and Centre for Development Economics and Innovation Studies (CDEIS) Punjabi University, Patiala.	December 07 to 09, 2019.	Rural Labour Market Dynamics and Disparities in Tamil Nadu: A Quantitative Analysis	N
K. Ramesh Kumar	61st Annual Conference	Indian Society of Labour Economics and Centre for Development Economics and Innovation Studies (CDEIS) Punjabi University, Patiala.	December 07-09, 2019.	Changing Rural Labour Market in Tamil Nadu: a Census Data Analysis	N
K Ramesh Kumar	Two Day International Conference on Liberalization, Privatization and Globalization: Three Decades of Experience in India	The Gandhigram Rural Institute, Department of Economics, Dindigul, Tamil Nadu.	February 14-15, 2020.	Economic Liberalization and Youth Unemployment in India: A Southern State Analysis	I
K Ramesh Kumar	6th International Conference on Business Research	Faculty of Science and Humanities, SRM Institute of Science and Technology, Chennai.	December 17-18, 2019.	MGNREGA's Evaluation and Its impacts on Rural Labour Market	I
K Ramesh Kumar	International Conference on Women, Health and Safety in India (RUSA 2.0)	Alagappa University, Department of Women Studies.	September 19-20, 2019.	Occupational Health problems and Women Construction Workers in Karaikudi Taluk of Sivagangai District	I
K. Ramesh Kumar	Two Day National Conference	Alagappa University, Department of Women Studies. and ICSSR.	March 6-7, 2020.	Clean Economy and Sustainable Development	N

K. Ramesh Kumar	Micro –Irrigation in India: Economics, Impact and Potential	Alagappa University, Department of Economics and Rural Development.	January 30-31, 2020.	Participated	I
K. Ramesh Kumar	Greening the Blue: Nourishing People and Nurturing the Planet	Alagappa University, Department of Economics and Rural Development.	October 16, 2019.	Participated	N
K. Ramesh Kumar	Intellectual Property Rights & Entrepreneurship	Alagappa university and Entrepreneurship Development and Innovation Institute (GoT).	November 19-20, 2019.	Participated	N
K. Ramesh Kumar	Sardar Vallabhbhai Patel: An Iron Willed Visionary of India	Alagappa University, Department of History and ICHR.	January 27, 2020.	Participated	N
K. Ramesh Kumar	Keeladi Archaeological Excavations	Alagappa University, Department of History (RUSA 2.0)	October 30, 2019.	Participated	N
K. Ramesh Kumar	World Philosophy day Celebration	Alagappa University, Department of Social Work and ICPR New Delhi.	February 13, 2020.	Participated	N
K. Ramesh Kumar	Publishing in Scopus indexed, ERA and ABDC Journals	Alagappa University, Department of Corporate Secretaryship.	October 18, 2019.	Participated	I
K. Ramesh Kumar	Indian Research Information Network System (IRINS) : Adaption and Promotion	INFLIBNET Centre, Gujarat and Alagappa University.	February 8, 2020.	Participated	N

Total Number: 43

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
A. Narayanamoorthy	"Water Saving and Productivity Benefits from SRI: A Study of Tank, Canal and Groundwater Irrigated Settings in South India"	Vol. 21, No. 1, pp. 162-177, Water Policy (IWA, London, UK, DOI: 10.2166/wp.2018.199).	1.093	I

A. Narayanamoorthy	"How does Bt Cotton Perform in Rainfed Areas?"	Agricultural Economics Research Review, Vol. 33, No.1, pp. 53-60.	5.90	N
A. Narayanamoorthy	"System of Rice Intensification (SRI) for Mitigating the Risks of Climate Change: A Study of Three Settings from Tamil Nadu"	Indian Journal of Agricultural Economics, Vol. 74, No. 3, pp. 333-349.	5.15	N
A. Narayanamoorthy	"Summaries of Group Discussion on Post-harvesting Requirements for Reducing the Gap between What Consumers Pay and Farmers Receive"	Indian Journal of Agricultural Economics, Vol. 74, No. 1, January-March, pp. 125-127.	5.15	N
A. Narayanamoorthy	"Doubling Farm Income in India" Strategies and Options"	Indian Journal of Agricultural Marketing, Vol. 33, No.3, September to December, pp. 21-37.	3.27	N
A. Narayanamoorthy	"Can India Provide Water for All by 2030?"	The Hindu Business Line, March 22, p. 7.		N
A. Narayanamoorthy	"Will PM-AASHA Benefit Farmers"	The Hindu Business Line, May 28, p. 6.		N
A. Narayanamoorthy	"Tap Drip Irrigation to Save Water"	The Hindu Business Line, June 8, p.6.		N
A. Narayanamoorthy	"Kulangal Than Neer Semippin Uyir Naadi"	The Hindu Tamil, June 10, pp. 6.		N
A. Narayanamoorthy	"Sottuneer Pasanam: Siru Thuli Peru Laabam"	The Hindu Tamil, June 11, pp. 6.		N
A. Narayanamoorthy	"Abaayak Kattathai Nerungukirathu Nilathadi Neer"	The Hindu Tamil, June 26, pp. 6.		N
A. Narayanamoorthy	"No Time to Lose in Tackling Water Crisis"	The Hindu Business Line, July 4, p.7.		N
A. Narayanamoorthy	"New Era of Pervasive Agricultural Subsidies?"	The Hindu Business Line, August 14, p. 6.		N
A. Narayanamoorthy	"Paal Vilai Uyarvin Avasiyam Enna?"	The Hindu Tamil, August 26, pp. 6.		N
A. Narayanamoorthy	"Is Zero Budget Natural Farming Working?"	The Hindu Business Line, September14, p.6.		N
A. Narayanamoorthy	"Why the Frequent Spikes in Onion Prices?"	The Hindu Business Line, October 15, p. 7.		N
A.	"What a New Water	The Hindu Business		N

Narayanamoorthy	Policy Should Look at?"	Line, January 15, p. 7.		
A. Narayanamoorthy	"Can Budget Plan Double Farmers' Income?"	The Hindu Business Line, February 5, p. 6.		N
A. Narayanamoorthy	"Ways to Reverse the Severe Water Crisis"	The Hindu Business Line, March 23, p.12.		N
A. Narayanamoorthy	"Lockdown has Deepened Farm Despair"	The Hindu Business Line, April 11, p. 6.		N
A. Narayanamoorthy	"Ooradangu pathippilirunthu vivasaykalaik kakka ennenna seiya vendum "	The Hindu Tamil, April 16, pp. 6.		N
A. Narayanamoorthy	"Why do Farmers Resort to Dumping Produce?"	The Hindu Business Line, April 17.		N
A. Narayanamoorthy	"Marketing Reforms a must for Horticulture"	The Hindu Business Line, May 15, p.4.		N
A. Narayanamoorthy	"Nithi Amaichar Arivitha Thittangal Vivasayikalaik Kappatruma?"	The Hindu Tamil, June 02, pp. 6.		N
A. Narayanamoorthy	"Tamil Nadu's Pandemic-hit Farm Sector Needs Urgent Attention"	The Hindu Business Line, June 8.		N
A. Narayanamoorthy	"Why regulated crop cultivation holds promise"	The Hindu Business Line, June 20, p. 6.		N
A. Narayanamoorthy	"விவசாயத்துக்கு வழிகாட்டும் தெலங்கானா!"	The Hindu Tamil, July 29, p. 6.		N
A. Narayanamoorthy	"Bt Cotton Cultivation in India: An Economic Analysis Based on Field Data"	Biotechnology for a Second Green Revolution in India, Academic Foundation, New Delhi.		I
A. Narayanamoorthy	"An Analysis of Cost and Income of Cotton Cultivation in India"	in A. Narayanamoorthy.; R.V. Bhavani and R. Sujatha (Eds.) Whither Rural India?: Political Economy of Agrarian Transformation in Contemporary India, Columbia University Press, New York/Tulika Books, New Delhi, pp. 209-230, 2019.		I
R. Suresh	"Profitability of Paddy Cultivation: A	Indian Journal of Agricultural Marketing,	3.27	N

	Comparative Analysis of Andhra Pradesh and Punjab”	Vol. 33, No. 3, pp.147-158.		
R. Suresh	“System of Rice Intensification (SRI) for Mitigating the Risks of Climate Change: a Study of Three Settings From Tamil Nadu”	Indian Journal of Agricultural Economics, Vol. 74, No. 3, pp. 333-349.	5.15	N
K. Ramesh Kumar	Changing of Rural Labour Market Structure in Tamil Nadu: A Study on Disparities in Rural Non-Farm Employment	Science, Technology and Development Multidisciplinary Journal Vol. IX Issue IV, April 2020, pp.11-19.	6.1	I
K. Ramesh Kumar	Rural Employment And Disparities In Tamilnadu: A Quantitative Analysis	Journal of Interdisciplinary Cycle Research, Vol.XII, Issue IV, April 2020, pp.111-120.	6.2	I
K. Ramesh Kumar	Regional Disparities And Indian States: A Macro Level Study	Journal of Critical Reviews Vol. 7, Issue 1, pp. 87-92	-	I
K. Ramesh Kumar	MGNREGA’s Impact On Income And Employment In Seaweeds Cultivating Households: Pamban, Ramanad District	Journal of Critical Reviews, Vol. 7 Issue 8, 2020, pp. 2149-2156.	-	I

Total Number: 35

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
A. Narayanamoorthy	Whither Rural India?: Political Economy of Agrarian Transformation in Contemporary India	A Festschrift for Venkatesh B. Athreya, Columbia University Press, New York/Tulika Books, New Delhi.
A. Narayanamoorthy	Irrigation Impacts on Rural Poverty: Macro and Micro Evidence	Concept Publishing Company, New Delhi.

Total Number: 03

11. (c) Monographs/Course Materials written by the Faculty Member during 2019-20. :NIL

12. Awards /Prizes /Medals won by Staff Members during 2019-20

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
A. Narayanamoorthy	ISAE Fellow 2019	Indian Society of Agricultural Economics (ISAE), Mumbai, India.	--
A. Narayanamoorthy	Appointed as Member (Official)	Commission for Agricultural Costs and Prices (CACP), Ministry of	--

		Agriculture and Farmers Welfare, Government of India, New Delhi.	
A. Narayanamoorthy	Completed Leadership for Academicians Programme (LEAP)	IIT-BHU, Varanasi and University of Cambridge, United Kingdom.	--
A. Narayanamoorthy	Member, Editorial Board	The Indian Society of Agricultural Marketing, Hyderabad.	--

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
September 20- 23, 2019	VEP	Mathur	17
September 20- 23, 2019	Coordinated the VEP, Alagappa University, Karaikudi.	39 village's	1259

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	--	--
VOC/PMT Scholarship awarded	07	Alagappa University
Education Loans from Bank	--	--
UGC/CSIR JRF/NET or SLET	--	--
UGC Rajiv Gandhi Fellowship	--	--
UGC Indra Gandhi single girl child	--	--
Others (if any)	02	Alagappa University

17. Placement of students / Scholars during 2019-20

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
MA (Economics)	10	10,000/-

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	3800spf	Laptops	01	Wi-Fi unit	01
Air Conditioners	07	LCD projector	01	Podium	03
Generator/Inverter	01	Xerox machine	01	Interactive board	03
Fax Machines	--	Printers	04		
Computers	16	Phones (including intercom)	02	Others (specify)	--

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	65,300
New Line LED Interactive Display Panel	1,57,175

20. Special Features of the Department / Centre / College

xix.	Publications in top class journals by faculty members.
xx.	Thrust for both research and teaching.
xxi.	Worked as a Member in Policy Level Committees, constituted by the Government of India, New Delhi.
xxii.	Faculty members have won National Award and honour for the research

	contribution.
xxiii.	Collaborative research works are carried out with national and international institutes.
xxiv.	Worked as Member in Policy Level Committee, constituted by the Government of Andhra Pradesh, Hyderabad.
xxv.	Students have won national awards for best presentation of papers.

21. Best / Innovative Practices followed in the Department / Centre / College

i.	New method of teaching –Interactive Boards are used for teaching.
ii.	Department decisions are made jointly with faculty members.
iii.	Regular classes are handled to improve the students' English language and general knowledge to clear the competitive examinations
iv.	At least One Project-One Faculty formula is followed.
v.	Special coaching classes for students on computer application.

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7. DEPARTMENT OF HISTORY

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr.AR.Saravanakumar	Head/c Assistant Professor	M.A., (Eng),M.A.,(His) M.Ed.,M.Phil., Ph.D., M.Sc., (psy),M.SC., (Zoo) PGDPM & IR., NET.	10.01.2019
Dr.G.Paranthaman	Assistant Professor	M.A., M.Phil., B.Ed., Ph.D.,	30.01.2016
Dr.S.Santhi	Teaching Assistant	M.A., M.Phil., Ph.D.,	30.07.2016
Mrs.R.Radha	Teaching Assistant	M.A., M.Phil.,	12.07.2018
Dr.T.Balasubramanian	Teaching Assistant	M.A., M.Phil., Ph.D.,	04.10.2019

Total Number: 05 No. of faculty with Ph.D: 04 No of faculty with IT Skills: 05

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	---	02	01	---	---	---	01	---	05
Addition during 2019-20	---	02	01	---	---	---	01	---	05

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.A., History	ii	M.Phil., History
iii	Ph.D. Regular	iv	---

2. (b) Name of new Programs (if any) introduced during 2019-20:

i	SWAYAM	ii	-
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3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert/ Dip./PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.A., History	15	--	--	01	--	--	06	06	02	15
M.Phil., History	01	--	--	01	--	--	--	--	--	01
Total	16	--	--	01	--	--	08	08	01	16

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.A., History	--	02	--	--	--	--	01	--	03

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil.	--	--	01	--	--	--	--	--	01

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	--	01	--	02	--	--	02	01	06
Ph.D. (Part-Time)	--	--	--	--	--	--	--	--	--

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	--	--	01	--	01	--	06	05	02	14
PG-II Year	--	02	--	--	02	--	--	--	--	02
M. Phil.	--	--	01	--	01	--	--	--	--	01
Ph.D.	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	04	--	06	06	02	17

Grand Total: 17

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	--	--	01	--	01	--	06	05	02	14
PG-II Year	--	02	--	--	02	--	--	--	--	02
M.Phil.	--	--	01	--	01	--	--	--	--	01
Ph.D.	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	04	--	06	06	02	17

Grand Total: 17

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	478	126	604	3,30,895
Indian Journals	--	--	--	
International Journals	--	--	--	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr.AR.Saravanakumar	17	16	--	10	15	10	20	15
Dr.G.Paraanthaman	--	06	--	05	05	01	20	10

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	Ntl. / International

Dr.AR. Saravanakumar Head i/c	South indian freedom fighter the queen of "Velunachiyar-a Historical perspective - 9(3), ISSN NO:1244-125	International Journal of Scientific and Technology Research-	0.41	I
	Neolithic culture in Tamil Nadu – a study	International Journal Of Scientific & Technology Research	0.41	I
	The Economic Development of Singapore: A Historical Perspective	Aut Aut Research Journal	5.3	I
	Tamil- Brahmi (Tamil) Pottery Shards of Tamil Nadu A Study	International Journal of Psychosocial Rehabilitation	0.8	I
	Excavations in Tamil Nadu - A Study	INFOKARA RESEARCH	5.3	I
	Trade and Commerce of Ancient Tamilagam,	Jouranl of Xidain University	0.52	I
	Learning During Lockdown of Covid-19 Pandemic: A Global Prespective,	International Jouranl of Control and Automation	0.25	I
	Tamil- Brahmi (Tamil) Pottery Shards of Tamil Nadu A Study,	International Journal of Psychosocial Rehabilitation,	0.8	I
	Mahatma Gandhi's Life and Freedom Struggle	Journal of Shanghai Jiaotong University (Science)	6.2	I
Dr.G.Pranthaman, Assistant Professor	Historical View of Perunkulam Region	International Journal for Science and Advance Research In Technology	0.41	I
	Mahatma Gandhi's Life and Freedom Struggle	Journal of Shanghai Jiaotong University	6.2	I
	Tamil-Brahmi (Tamil) Pottery Shards of Tamil Nadu A Study	International Journal of Psychosocial Rehabilitation	0.8	I
	Fossils and Myths Connection Between the Thirumayam Fort Rock and the Mahabalipuram Krishna's Butter Ball?	International Journal of Advanced Science and Technology	0.41	I
	Temple Worship and Festivals of Perungulam Village - A Special Study	International Journal of Tamil Language and Literary Studies		I

Total Number:14

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr.AR.Saravanakumar, Head i/c	INTERNATIONAL RELATIONS- AN INTRODUCTION	Shanlax Publications ISBN: 9789389658828
Dr.AR.Saravanakumar, Head i/c	CONTEMPORARY POLITICAL SYSTEM	Publisher: Shanlax Publications ISBN: 978-93-89658-81-1

Total Number: 2

12. Awards /Prizes /Medals won by Staff Members during 2019-20

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
Dr.AR.Saravanakumar	International Quality Award	Scientific Researcher, Karaikudi	--

Dr.AR.Saravanakumar	Faculty Award (DKIRF)	DK International Research Foundation, Perambalur	--
Dr.AR.Saravanakumar	Outstanding Scientist Award	VD Good Professional Association, Visakhapatnam, India.	--

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
18:09:2019	VPP	Maathur	05
25:10:2019	Sardar Valabhbai Patel Day celebration - Competitions	Department of History	25

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	--	--
VOC/PMT Scholarship awarded	01	--
Education Loans from Bank	--	--
UGC/CSIR JRF/NET or SLET	--	--
UGC Rajiv Gandhi Fellowship	--	--
UGC Indra Gandhi single girl child	--	--
Others (if any)	--	--

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	3	Laptops	--	Wi-Fi unit	--
Air Conditioners	2	LCD projector	2	Podium	1
Generator/Inverter	--	Xerox machine	--	Interactive board	2
Fax Machines	--	Printers	6		
Computers	14	Phones (including intercom)	4	Others (specify)	

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	--
Podium –	--
10 KVA Inverter	--

8. DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

1 (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. S. Thanuskodi	Professor and Head	M.A., B.Ed., M.L.I.Sc., M.Phil., Ph.D., M.L.,	01.06.2012
Dr. R. Jeyshankar	Assistant Professor	M.A., M.L.I.Sc., M.Phil., PGDCA., Ph.D	23.02. 2007

Total Number:2 No. of faculty with Ph.D:2 No of faculty with IT Skills: 2

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing		1		1					
Addition during 2019-20 : Nil									

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Lib.I.Sc	ii	M.Phil
iii	Ph.D. Library and Information Science	iv	---

3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert/Dip./ PG Dip	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC/DNC	SC/ST	OC	BC	MBC/DNC	SC/ST	
M.Lib.I.Sc			1	1	1		8	1	2	14
Total			1	1	1		8	1	2	14

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC/DNC	SC/ST	OC	BC	MBC/DNC	SC/ST	
M.Lib.I.Sc			1			6	1	1	9
M.Lib.I.Sc Lateral Entry						1	1		2
Total			1			7	2	1	11

Students strength (III YEAR) : Nil

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC/DNC	SC/ST	OC	BC	MBC/DNC	SC/ST	
M.Phil.			1	1			1		3

Ph.D. Scholars during 2019-20

Program	Male					Female					Total
	OC	BC	MBC	SC/ST	OBC	OC	BC	MBC	SC/ST	OBC	
Ph.D. (Full-Time)					1		1			1	3
Ph.D. (Part-Time)	1		1				1		1	1	5

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
M.Lib.I.Sc	-	-	-	-	-	-	-	-	-
M.Lib.I.Sc (LE)	-	-	-	-	-	-	-	-	-
M.Phil	-								
Ph.D	Srilanka	1	-	1	Kerala West Bengal Hyderabad	2	2	4	5

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)						Female (With community break-up)					
	OC	BC	MBC/D NC	SC/ST	OBC	Total	OC	BC	MBC/DNC	OBC	SC/ST	Total
PG-I Year			1	1		2		8	1		2	11
PG-II Year			1			1		7	2		1	10
M. Phil.			1	1		2			1			1
Ph.D.	2	1		1		4	1	1				2
Total	2	1	3	3		9	1	16	4		3	24

Grand Total: 33

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year			1	1	2		7	1	2	10
PG-II Year			1		1		7	1	1	9
M.Phil.			1	1	2			1		1
Ph.D.	2	1		1	4	1	1			2
Total	2	1	3	3	9	1	15	3	3	22

Grand Total:31

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	275	457	732	Rs. 2,00,000/- (RUSA FUND)
Indian Journals				
International Journals				

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences /Seminars Workshops attended	
	Ph.D	M.Phil	National / Inter National	National	Inter national	Books/ Materials	National	Inter national
Dr. S. Thanuskodi	2	2	-	-	3	1	1	5
Dr. R. Jeyshankar	2	1	-	-	3	-	-	2

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc) during 2019-20.

Name of the Scheme	RUSA		
Title	Creation of Human and Institutional Resource database of Indian Social Science scholars		
Funding Agency	MHRD		
Duration	2 Years		
Commencement on	1 st February, 2019		
Total Fund Allotted (Rs. Lakhs)	30.18		
Fund Released so far (Rs. Lakhs)	12.07		
Thrust Area(s)	Metric Study		
Total No. of Project Personnel	3		
Progress / Status	At present the database contains 5987 profiles of social Science scholars from the southern states, which includes Tamil Nadu, Puducherry, Kerala, Karnataka, Andhra Pradesh and Telungana.		
Remarks			

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	11.11.2019	International Literacy Day & Best Library Users	200	2	2	National
2	08.02.2020	One-day Workshop on Indian Research Information Network System (IRINS): Adoption and Promotion	217	3	3	National
3	19 th to 21 st February, 2020	Technical and Academic Writing Centre A Three day Workshop on Publication Ethics, Research Metrics and LaTeX	200	3	3	National
4	17.05.2020 to 19.05.2020	Library and Scholarly Communication Services	420	3	3	Webinar
5	18.05.2020	Do's and Don'ts in Scholarly Writings	240	2	2	Webinar
6	17.05.2020 to 21.05.2020	Digital Resources and Learning	1084	5	5	FDP
7	25.05.2020 to 29.05.2020	Ehyf ,yf;fpa tpoh le;J ehs; ,iza top Mrphpah; jpwd; Nkk;ghl;L epfo;T	2630	5	5	FDP

Total Number:7

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	22.10.2019 to 24.10.2019	RUSA Sponsored	AR. Balasubramanian	Prolegomena to Library Classification	34

Total Number: 1

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr. S. Thanuskodi	International Conference on "Transforming Academic Libraries: Vision 2030" [ICTAL 2030]	Sri Krishna Institutions, Coimbatore	14 th to 16 th November 2019	Scientometric Analysis of Bone Marrow Research Output (2014-2018): An Indian Perspective	International
	International Conference on "Transforming Academic Libraries: Vision 2030" [ICTAL 2030]	Sri Krishna Institutions, Coimbatore	14 th to 16 th November 2019	Trends And Use of Web based Resources Sharing of Library : An Overview	International
	International Conference on "Innovative Library Services For Cultural And Educational Transformations"	Bishop Heber College, Trichy.	10 th and 11 th January 2020	Digital Preservation Methods Technology in Libraries: An Overview	International
	International Conference on "Innovative Library Services For Cultural And Educational Transformations"	Bishop Heber College, Trichy	10 th and 11 th January 2020	Trends and Awareness of Social Media Applications among Alagappa Government Arts College Students: A case study	International
	International Conference on Recent Developments in Engineering Management Sciences and Technology	Dhaanish Ahmed College of Engineering, Chennai.	26, June 2020	Scientometric Analysis of Radioisotopes Research Output: A Global Perspective	International
Dr. S. Thanuskodi	National Conference on "Creating A Milieu Quality Research Among Academic Community"	Thiruvalluvar College, Papanasam	21 st and 22 nd February 2020	Research Output on Digital Literacy in Higher Education: A Scientometric Study During(2015-2019)	National
Dr. R. Jeyshankar	Linking, Informing, and Sharing	2019 International Conference on Library and Information Studies (ICLIS) National Taiwan Normal University, Taiwan	11-13 July 2019	Mapping the Research Productivity of Alagappa University During 2009 - 2018 as Reflected in Scopus and Web of Science Database: A Comparative Network Analysis	International

	Two-Day International Conference on "Innovative Library Services for Cultural and Educational Transformation (ILSCET)"	organized by P.G. & Research Department of Library and Information Science, Bishop Heber College, Trichy	10 th and 11 th January, 2020.	Gender differences in awareness and use of web technology tools and services among LIS Professionals in Universities of Tamil Nadu	International
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Total Number:8

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr. S. Thanuskodi	Lotka's Law and the Pattern of Scientific Productivity in the Marine Pollution Research	International Journal on Emerging Technologies	0.15	International Journal
	Library and Information Science Research Output: A Bibliometric Analysis on Scopus Database during 2009 to 2018	Journal of Xidian University		International Journal
	Marine Pollution Research Output using Web of Science Database: A Scientometric Analysis.	Journal of Xidian University		International Journal
Dr. R. Jeyshankar	Information Needs and Use of Library Resources by Differently Abled School Students, Sivagangai Districts: A Case Study. <i>Library</i> .	Philosophy and Practice	0.25	International
	Information Needs and Use of Library Resources by Differently Abled School Students, Sivagangai Districts: A Case Study	Philosophy and Practice	0.25	International
	Graduate Library Users' Information Use Pattern and Awareness about Library and Information Resources in Chennai City: A Study.	Philosophy and Practice	0.25	International

Total Number:6

(b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr. S. Thanuskodi	Handbook of Research on Digital Content Management and Development in Modern Libraries	IGI Global, USA, 2019 [ISBN: 9781799822011]

Total Number: 1

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20.09.2019	Village Placement	Mathur	11

to 22.09.2019			
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16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	-	-
VOC/PMT Scholarship awarded	5	University
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	-	-
UGC Rajiv Gandhi Fellowship	-	-
UGC Indra Gandhi single girl child	-	-
Others (if any) RUSA Fellowship	2	RUSA Fund

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	-	Laptops	2	Wi-Fi unit	
Air Conditioners	1	LCD projector	1	Podium	3
Generator/Inverter	2	Xerox machine	1	Interactive board	3
Fax Machines	-	Printers	4		-
Computers	28	Phones (including intercom)	3	Others (specify)	-

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	
Podium –	
10 KVA Inverter	

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each : Nil

20. Special Features of the Department / Centre / College

xxvi.	<p>The Department of Library and Information Science was started during the academic year 2006-2007 at Alagappa University with the aim of imparting up-to-date LIS education to the students through effective teaching programs and practical training. The Department is working with a vision to educate individuals for careers such as librarians, documentalists, information professionals, archivists, information scientists and knowledge managers. The students are given good and effective training to undertake research and service - oriented programs which require a sound knowledge of emerging information technology developments and market requirements. This Department is the fourth oldest in the State of Tamil Nadu. The Department offers the academic programmes viz. M.Lib.I.Sc., M.Phil and Ph.D. It provides learning opportunities and undertakes research projects in concept and techniques related to diverse areas in Library and Information Science. It also conducts a number of programmes such as conferences/seminars, workshops etc. for working librarians in order to help them update their knowledge about recent developments so as to provide better services to the user-community. The department has so far offered training to more than 500 professionals at various levels to manage different types of libraries on scientific lines. It has produced 58</p>
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	Ph.Ds, 63 M.Phils and 190 M.Lib.I.Sc. graduates and has completed 3 research projects in Library and Information Science. It maintains a well established computer lab with 28 computer systems for the use of students.
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21. Best / Innovative Practices followed in the Department / Centre / College

i.	<ul style="list-style-type: none"> • Employment Oriented Practical Training • Inter Departmental Programme • Students' expectation in the curriculum aspect is incorporated in BOS • Inter- Faculty credit share system • Providing standard Video Lectures delivered by experts in the field to the students at regular intervals • Probing question sessions is conducted once in a week to update the latest trends in the subjects • Students Participation in Group Discussion and deliver special lecture by using Smart Classrooms. • Technology Enhanced Learning Method is adopted by creating blog in web based software.
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9. DEPARTMENT OF POLITICS AND PUBLIC ADMINISTRATION

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. S. Prabhu	Assistant Professor	M.A., M.Phil., Ph.D	18.02.2009
Dr.K.Senthil Kumar (Redeployment staff from Annamalai University)	Associate Professor	M.A.,Ph.D	06.01.2020

Total Number: 02 No. of faculty with Ph.D: 02 No of faculty with IT Skills: -

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing		1		1					
Addition during 2019-20									

2. (a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.A. Public Administration	ii	M.Phil.	-
iii	Ph.D	-	iv	-

3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert/ Dip./PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.APublic Administration	6		1	4	1					6

3.c: Number of students who appeared for examinations during2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	1	4	1	6	-	-	-	-	-
PG-II Year	-	-	-	-	-	-	-	-	-	-
M. Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	-	1	4	1	6	-	-	-	-	-

Grand Total: 6

3. d: Number of students who passed out during2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	1	4	1	6	-	-	-	-	-
PG-II Year	-	-	-	-	-	-	-	-	-	-
M.Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

Grand Total: 6

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr. S. Prabhu	-	-	-	1	7	NIL	-	-
Dr.K.Senthil Kumar	1	-	-	-	5	1	5	2

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	22.05.2020	Rights Ideology and Governance in the International Arena	43	1	-	International
2	25.05.2020	Role of Constitutional Values and Fundamental Duties in Promoting Sense of Commitment among the Citizens of India during Covid-19 Lockdown Period comply	53	1	-	International
3	10.06.2020	"Micro, Small & Medium Enterprises: Challenges And Issues During Covid 19 Lockdown Period in India.	100	2	-	International

Total Number: 3

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr.K.Senthil Kumar	Building Career Through Political science.	Dept of Political science, MIC, Kerela	09.07.2020	Building Career Through Political science.	International
Dr. K. Senthilkumar	Govt Job Opportunities & Competitive Examinations: Tips for Success Tips to Crack Civil Services- IAS IPS, NET SLET TNPSC	Dept of Physical Education, Ann amalai University		Govt Job Opportunities & Competitive Examinations: Tips for Success Tips to Crack Civil Services- IAS IPS, NET SLET TNPSC	International

Dr. K. Senthilkumar	Success Tips to Crack Civil services, TNPSC, NET Other Competitive Examinations	Dept of Political Science, Justice Basheer Ahmed Sayeed College for Women, College with Potential Excellence, Chennai	03.07.2020	Success Tips to Crack Civil services, TNPSC, NET Other Competitive Examinations	International
Dr. K. Senthilkumar	100 Years of Marathon. China's Paramountcy in the Global Order.... Winning the Race???"	Dept of Political science & Public administration, Annamalai University	27.06.2020	100 Years of Marathon. China's Paramountcy in the Global Order.... Winning the Race???"	International
Dr. K. Senthilkumar	Preparatory Steps in Clicking IAS & Other Competitive Examinations	Dept of Public administration, Govt Arts College, Salem	26.06.2020	Preparatory Steps in Clicking IAS & Other Competitive Examinations	International
Dr. K. Senthilkumar	Strategies of Clicking Civil Service Examinations	Dept of Political Science & Public administration, Annamalai University	15.05.2020	Strategies of Clicking Civil Service Examinations	International
Dr. K. Senthilkumar	NHRC in Protecting Women Rights	Dept of Political Science & Public administration, Annamalai University	15.05.2020	NHRC in Protecting Women Rights	International
Dr. K. Senthilkumar	Right to Equality	Dept of Political Science & Public administration, Annamalai University	15.05.2020	Right to Equality	International
Dr. K. Senthilkumar	Rights Ideology and Governance in International Arena	Dept of Politics & Public Administration, Alagappa University	22.05.2020	Rights Ideology and Governance in International Arena	International
Dr. K. Senthilkumar	Success Tips for Competitive Examinations	Dept of Commerce, SNMV College, Affiliated to Bharathiar University	30.04.2020	Success Tips for Competitive Examinations	International

Dr. K. Senthilkumar	Bonded Labor and Marginalized groups –Human rights issues	Vasavi Arts & Science(Aided)Dept of Mathematics, Erode	11.10.2020	Bonded Labor and Marginalized groups –Human rights issues	National
Dr. K. Senthilkumar	Human rights Institutions in India-SHRC	Kongu Engineering College, Dept of Management Studies, Perundurai	10.10.2020	Human rights Institutions in India-SHRC	National
Dr. K. Senthilkumar	Ideological Dynamics of Coalition Politics in Tamilnadu	Dept of Political science, Fr.Agnel College of Arts & Commerce in collaboration with Directorate of Higher Education, Government of Goa	8.02.2020	Ideological Dynamics of Coalition Politics in Tamilnadu	National
Dr. K. Senthilkumar	Introduction to Human Rights	Gnanambigai Govt Arts College,Mayil aduthuraion	15.02.2020	Introduction to Human Rights	National

Total Number:13

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr. S. Prabhu	A Study on Issues and challenges in the protection of Human Rights of Dalit Women in India.	The International Journal of Analytical and Experimental Modal Analysis (IJAEMA) Volume XII, Issue II, Feb 2020. UGC-CARE Group –II	6.3	International
Dr.S.Prabhu	Impact of Leadership on Governance of Public Sector Undertakings in Tamil Nadu.	Journal of Interdisciplinary Cycle Research, 2020, Vol.No XII, Page No 65-76	6.2	International
Dr.S.Prabhu	A Study on Significance of Administrative Law in India	Parishod Journal, 2020, Vol No XI, Page No 156-159	6.3	National
Dr.S.Prabhu	Impact of Information Technology on Public Administration.	Global Journal for Research Analysis, 2019, Vol No 8, Page No 26-27 2277-8160UGC Listed Sr.No.49177	5.9	International
Dr.S.Prabhu	A Study on Stress Management	Global Journal for Research Analysis,	5.9	International

	Practices of Employees of Revenue Administration with reference to Sivaganga district of Tamil Nadu.	2019, Vol No 8, Page No. 50-53 2277-8160 UGC Listed Sr.No.49177		
Dr.S.Prabhu	A Study on Human Rights Violations of Dalit Women with special reference to Karur District of Tamil Nadu	Global Journal for Research Analysis, 2019, Vol No 8, Page No.15-17 2277-8160 UGC Listed Sr.No.49177	5.9	International
Dr.S.Prabhu	A Study on Rights of Children in India	Global Journal for Research Analysis, 2019, Vol No 9, Page No 21-22	5.9	International
Dr.S.Prabhu	A Study on Impact of Globalization on India	Global Journal for Research Analysis, 2019, Vol No 9, Page No 17-18	5.9	International
Dr.K.Senthil Kumar	Universal Health Coverage: Role of Public Health	Research Journal of India, Vol.7, Issue 6 Jan-2020 2349-9370	2.05	National
Dr.K.Senthil Kumar	Pivot Asia:USA's Concerns and India's Pre-emptive Security Priorities-A Policy Decision Analysis	Ariv Journal of International Business August,2020		International

Total Number:9

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr. K. Senthilkumar	Sarvadesa Arasiyal	Notion press/9781648927041

Total Number: 1

12. Awards /Prizes /Medals won by Staff Members during 2019-20

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
Dr. K. Senthilkumar	Best Educationist- front page coverage- AMUTHASURABI Magazine	AMUTHASURABI	-

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	5 Rooms	Laptops	-	Wi-Fi unit	-
Air Conditioners	2	LCD projector	2	Podium	2
Generator/Inverter	-	Xerox machine	-	Interactive board	2
Fax Machines	-	Printers	1		
Computers	3	Phones (including intercom)	2	Others (specify)	Wight board -2

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-2	120000.00
Podium – 2	58638.00
10 KVA Inverter	-

20. Special Features of the Department / Centre / College

xxvii.	<ul style="list-style-type: none">• The curriculum is designed to equip students to take up active role in public administration leadership and management positions in public services, research and non-profit sectors at the local, state, national and international levels with emphasis on efficient and effective and ethical management practices of organization• Weekly review of Students Development in Academic• Faculty lectures related with contemporary Affairs of the subject.• Lectures by the experts from various parts of the world.• Pedagogical deliberation through smart class ambience.
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21. Best / Innovative Practices followed in the Department / Centre / College

i.	<ul style="list-style-type: none">• Taking the Students to the Real World• Focused group Discussion• ICT enabled education• Eco- Friendly Class• Emerging Technologies are deployed (i.e) Khan Academy, Wiki educator, e-pathshala, J-gate, Google scholar, Shodhganga, Springer link• Updating the knowledge by the conduction of symposium.• Research oriented deliberations.• Weekly Group Discussions.• Periodical conduction of sensitization programmes related with the existing events.• Conduction of Quiz Programmes.• Regular conduction of Faculty Lectures.• Student-Teacher discussion related with the new policies.• Vocabulary improvement trainings.• Mentor-Mentee Counseling.• Awareness programmes on contemporary issues and technological innovative developments in the subjects.
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10. DEPARTMENT OF JOURNALISM AND MASS COMMUNICATION

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr.P.Paul Devanesan	Professor & Head i/c	M.A (Psy) M.A (Eng) M.Ed, M.Phil Ph.D	23.02.1991
Dr.A.Deivasree Anbu	Teaching Assistant (Temporary)	M.Sc., M.Phil, Ph.D., NET	04.10.2019
The following staff from the Department of Lifelong Learning are also handling the classes for students of Department of Journalism and Mass Communication			
Dr.N.Johnson	Assistant Professor (Taking Classes for Journalism and Mass Communication from the year of 2014)	M.A.,B.Ed.,M.Ed., M.Phil.,M.A(Sociology)	04.03.2013
Dr.M.Neethiperumal	Teaching Assistant (Taking Classes for Journalism and Mass Communication from the year of 2016)	M.A, M.Ed, M.Phil, NET(EDU), Ph.D	20.6.2016

Total Number: 2 No. of faculty with Ph.D: 2 No of faculty with IT Skills: -

1. (b) Members of the Non-teaching Staff : Nil

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	-	-	1	-	-	-	-	1
Addition during 2019-20									

2(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.A Journalism and Mass Communication	ii	M.Phil. Media and Communication
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3. a. Students Strength (I YEAR)

Program (PG/M.Phil/Cert/ Dip./PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.A Journalism and Mass Communication	17	02	1	-	-		1	2	-	06
Total		02	1	-	-		1	2	-	06

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.A Journalism and Mass Communication	-	4	1	3		1	2	1	12
Total	-	4	1	3		1	2	1	12

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil.	-	1	-	2	-	2	-	-	5

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	2	1	-	-	3	-	1	2	-	3
PG-II Year	-	4	1	3	8	-	1	2	1	4
M. Phil.	-	1	-	2	3	-	2	-	-	2
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	2	6	1	5	14	-	4	4	1	9

Grand Total: 23

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	-	-	-	-	-	-	-	-	-
PG-II Year	-	4	1	3	8	-	1	2	1	4
M.Phil.	-	1	-	2	3	-	2	-	-	2
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	-	5	1	5	11	-	3	2	1	6

Grand Total: 17

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	164	172	336	2,63,000 (This amount is sanctioned for Dept of Lifelong Learning but the books purchased for the students of Dept of Journalism and Mass Communication)
Indian Journals	03	-	-	
International Journals	-	-	-	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr.P.Paul Devanesan	1	1	-	-	5	-	4	3

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop	Organizer, with Place	Date(s)	Topic of papers presented/	National / International
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	etc.			Attended	
Dr.P.Paul Devanesan	Gandhiji's contribution to Education, Culture & Soceity	DDE,	26,27 feb 20	Gandhiji approach to human rights	Inter national
Dr.P.Paul Devanesan	Gandhiji's contribution to Education, Culture & Soceity	DDE,	26,27 feb 20	Gandhiji contribution to education	Inter national
Dr.P.Paul Devanesan	Cognitive , Psychological and behavioral perspectives in education	AUCE	11, 12 July	Pro Socail activities of science in emotionally disturbed situation prevailing in school environment	Inter national
Dr.P.Paul Devanesan	Skills for a Resilient youth in commemoration of World youth skills	AISD	15.7.2020	Attended	National
Dr.P.Paul Devanesan	Participation in International Work day of Yoga	AU	21.06.19	Attended	National
Dr.P.Paul Devanesan	Participation in the one day programme of Education Development Day	DLL	30.07.19	Attended	National
Dr.P.Paul Devanesan	Water Conservation Workshop	RUSA	22.11.19	Attended	National
Dr.N.Johnson	Design and development of technology enabled courseware	DDE	05.12.19 & 06.12.19	Attended	Inter national
Dr.N.Johnson	Medias influence on society	Subbulaksh mi Lakshmi path i College	14.02.2020	Attended	National
Dr.N.Johnson	International Conference on Social Media: Issues and Challenges	Dept of Vis. Com, Holly Cross College		Expectation of Viiewers Societal impact about Tamil News through Social Media	Inter national
Dr.N.Johnson	International conference on cognitive Psychological and Behavioral Perspectives in education	AUCE	11.07.19, 12.07.19	Thematic study on Interpersonal relationship development in school premises and barriers in	Inter national

				interpersonal communication	
Dr.N.Johnson	International conference on cognitive Psychological and Behavioral Perspectives in education	AUCE	11.07.19, 12.07.19	Creating curiosity to enhance mathematical problem solving ability of pre service teachers through cross strips techniques	International
Dr.N.Johnson	Rural Immersion – Community Engagemment	Mahatma Gandhi National Council of rural Education in colloboration with College of Education and Centre for Gandian studies	23.09.19	Attended	National
Dr.N.Johnson	International conference on cognitive Psychological and Behavioral Perspectives in education	AUCE	11.07.19, 12.07.19	Astudy on Psychological Consequences on TV news among college students	International
Dr.N.Johnson	National conference on Benchmarking quality parameters of Research Programmes	Govt of Tamilnadu, Dept of Higher education, (RUSA)	15.10.19	Attended	National
Dr.N.Johnson	Tips and Tricks of Publishing in High Impact Journals	Dept of International Business under MHRD, RUSA Phase 2.0 Scheme, School of Management, AU	26.08.19	Attended	National

Dr.N.Johnson	Practicing Nai Talim, Experimental Learning, Community Engagement and Vocational Education	AUCE	03.09.19	Attended	National
Dr.N.Johnson	E- Content development for Moocs among the faculty members	Digital education Cell, Alagappa University	10.09.19, 12.09.19, 13.09.19	Attended	Inter national
Dr.N.Johnson	Perception of B.Ed Students- Teachers towards technology enabled courseware	Dept of Education, DDE	14.08.19	Attended	National

Total Number:19

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr.P.Paul Devanesan	Impact of Internet on the Development of Knowledge and Application Skills among the College Students	Think India Journal Vol: 22 Issue:14	6.2	International
Dr.P.Paul Devanesan	A Brief focus on Enhancing the quality of Research in Indian Condition	Miracle of Teaching	-	International
Dr.P.Paul Devanesan	Impact on aggressive behavior on Human Relations	Miracle of Teaching	-	International
Dr.P.Paul Devanesan	Obstacles faced by the disabled students in the inclusive classroom teaching	Miracle of Teaching	-	International
Dr.P.Paul Devanesan	Challenges in Social inclusion against Differently abled students studying in the Inclusive schools	Miracle of Teaching	-	International
Dr.P.Paul Devanesan	Physical Grievances of Differently abled students in Inclusive schools	Miracle of Teaching	-	International
Dr.N.Johnson	Impact of Community radio Programmes in Rural Developpment	International ,Journal of Scientific and Technology RESEARCH Vol;9 Issue : 1	7.466	International
Dr.N.Johnson	Knowledge and Utility of ICT aming pre service Teachers	SHODH SARITA Vol:6 Issue : 24	-	International
Dr.N.Johnson	Attitude and Utility of ICT among Pre Service Teachers	SHODH SANCHAR Vol;9 Issue 36	-	International
Dr.N.Johnson	Impact of Internet on the Development of Knowledge and Application Skills among the College Students	Think India Journal Vol: 22 Issue:14	6.2	International

Total Number:10

12. Awards /Prizes /Medals won by Staff Members during 2019-20

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
Dr.P.Paul Devanesan	International Education Excellence Award with Gold Medal	Indian Solidarity Council	-

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20.07.2019 -22.07.2019	Village Extension programme	Mathur	12

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	-	-
VOC/PMT Scholarship awarded	8	Alagappa University
Education Loans from Bank	1	-
UGC/CSIR JRF/NET or SLET	-	-

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	-	Laptops	-	Wi-Fi unit	-
Air Conditioners	-	LCD projector	-	Podium	-
Generator/Inverter	-	Xerox machine	-	Interactive board	-
Fax Machines	-	Printers	-		-
Computers	-	Phones (including intercom)	-	Others (specify)	-

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	-
Podium –	-
10 KVA Inverter	-

20. Special Features of the Department / Centre / College

xxviii.	Taking Short Films
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21. Best / Innovative Practices followed in the Department / Centre / College

i.	Photography
ii	Video Editing
iii	Audio Video Production

11. DEPARTMENT OF MATHEMATICS

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. C. Ganesa Moorthy	Professor	M.Sc., M.Phil., Ph.D, PGDCA	24-02-1988
Dr. N. Anbazhagan	Professor & Head	M.Sc., M.Phil., Ph.D, PGDCA	09-03-2007
Dr. J. Vimala	Assistant Professor	M.Sc. B.Ed. Ph.D. PGDCA	24 – 05 - 2012
Dr. R. Raja	Assistant Professor(RCHM)	M.Sc. M.Phil. Ph.D.	25 – 05 - 2012
Dr. B. Sundaravadivoo	Assistant Professor	M.Sc. M.Phil. Ph. D, PG.D.O.R	28 – 05 - 2012
Dr. S. Amutha	Assistant Professor(RCHM)	M.Sc. M.Phil. Ph.D., PGDCA	31 – 05 - 2012
Dr. R. Jeyabalan	Assistant Professor	M.Sc. M.Phil. Ph.D.,	30 – 01 - 2016
Dr. M. Mullai	Assistant Professor (DDE)	M.Sc. M.Phil. Ph.D., PGDCA	28-06-2013

Total Number: 8 No. of faculty with Ph.D: 8 No of faculty with IT Skills: 8

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	0	3	0	1	0	2	1	1	8
Addition during 2019-20									

2. (a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc. Mathematics	ii	M.Phil. Mathematics
iii	Ph.D. Mathematics	iv	---

Total No. of Programs: 3

3. a. Students Strength (I YEAR)

Program (PG/M.Phil/Cert/Dip./ PG Dip	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc. Mathematics	351	0	6	3	2	1	61	32	9	114
M. Phil. mathematics	82	0	0	1	0	0	9	4	2	16
Total	433	0	6	4	2	1	70	36	11	130

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc. Maths	0	3	2	2	0	59	26	21	113
Total	0	3	2	2	0	59	26	21	113

M. Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M. Phil.	0	0	1	0	0	9	4	2	16

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	0	2	0	0	0	4	1	0	7
Ph.D. (Part-Time)	0	0	0	0	0	0	0	0	0

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	0	6	3	2	11	1	61	32	9	103
PG-II Year	0	3	2	2	7	0	59	26	21	106
M. Phil.	0	0	1	0	1	0	9	4	2	15
Ph.D.	0	2	0	0	2	0	4	1	0	5
Total	0	11	6	4	21	1	133	63	32	229

Grand Total: 229

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	2622	137	2759	3, 54,494.00
Indian Journals	7	6	13	
International Journals	7	-	7	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr. C. Ganesa Moorthy	--	3	--	1	8	2	4	-
Dr. N. Anbazhagan	1	3	--	--	5	--	--	7
Dr. J. Vimala	-	2	-	-	11	1		1
Dr. R. Raja	2	1	--	--	8	1	--	1
Dr. B. Sundara vadivoo	-	1	-	-	3	1	-	2
Dr. S. Amutha	-	2	-	-	3	1	-	3
Dr. R. Jeyabalan	--	2	--		2	--	2	3
Dr.M.Mullai	-	1	-	-	11	3	7	3

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc) during 2019-20.

Name of the Scheme	SAP
Title	DRS- I
Funding Agency	UGC
Duration	5 Years (2016-2021)
Commencement on	2016
Total Fund Allotted (Rs. Lakhs)	62 Lakhs
Fund Released so far (Rs. Lakhs)	47,87,798 .00
Thrust Area(s)	Functional Analysis, Mathematical Modeling & Discrete Mathematics
Total No. of Project Personnel	--

Progress / Status	Ongoing
Remarks	-

Name of the Scheme	PURSE		
Title	--		
Funding Agency	DST		
Duration	3 Years		
Commencement on	2017		
Total Fund Allotted (Rs. Lakhs)			
Fund Released so far (Rs. Lakhs)	5,45,000		
Thrust Area(s)			
Total No. of Project Personnel	--		
Progress / Status	Ongoing		
Remarks	-		

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. R. Raja	14.11.2019	30.11.2022	SERB	Optimal Control of Population Dynamical Systems and Epidemiology: An LMI Approach	14,13,100

Total Number: 1

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	03 rd - 04 th , Sep, 2019	International Conference on Mathematical Modeling and Computational Intelligence.	100	07	-	International
2	23 rd Sep ,2019	National Conference on "Recent Advances in Mathematical Modeling"	100	03	-	National
3	22 nd – 24 th Jan,2020	2 nd International Conference on Mathematical Modeling and Computational Methods in Science and Engineering.	100	11	-	International
4	20 th – 21 st , Feb 2020	National Conference on "Challenges in Mathematical Modeling"	80	04	-	National
5	09 th – 11 th Jan,2020	National Workshop on Dynamical System with MATLAB and ITS Computations	110	03	-	National

6	20 th - 25 th Jan, 2020.	Organized an Advance training in algebra & Analysis.	60	04	-	National
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10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr. C. Ganesa Moorthy	2 nd International conference on Mathematical Modeling and Computational Methods in Science and Engineering (ICMMCMSE-2020)	Alagappa University, Karaikudi;.	January 22-24, 2020	Weak order convergence of fixed point iterations of contraction mappings on cone metric spaces. (Presented by the student: G. Siva).	International
Dr. C. Ganesa Moorthy	International conference on Mathematical Modeling and Computational Intelligence (ICMMCI-2019)	Alagappa University, Karaikudi;	September 3-4, 2019.	Fixed point iterations of contraction mappings with variations in cone metric space domains. (Presented by the student: G. Siva).	International
Dr. C. Ganesa Moorthy	International conference on integrated knowledge towards enriched society (IKTES-2020)	Loyola College, Chennai 600 034;	22 and 23 January 2020	Invited talk: Energy matters.	International
Dr. C. Ganesa Moorthy	Online workshop of Mathematical Analysis	Loyola College, Chennai 600 034;	8-13 June 2020	Invited talk: Mathematical analysis.	National /International
Dr. N. Anbazhagan	International Conference On New Trends in Mathematical Modelling with Applications	Department of Mathematics, Sri Vidya Mandir Arts and Science College, Uthangarai.	July 29-30, 2019	Delivered an invited talk	International
Dr. N. Anbazhagan	International Conference On Mathematical Engineering Applications for Sustainable Development	University of Malaya, Meeting room 18-1, Wisma R&D, Kualalumpur, Malaysia.	August 16-18, 2019	Delivered an invited talk	International
Dr. N. Anbazhagan	ISM Seminar	Department of Mathematics, University of Malaya, Malaysia.	August 19, 2019	Delivered an invited talk	International
Dr. N. Anbazhagan	International Conference on Engineering, Mathematical and	Jabalpur Engineering College, Jabalpur, Madhyapradesh.	December 21-23, 2019	Delivered an invited talk	International

	Computational Intelligence(ICEMCI19)				
Dr. N. Anbazhagan	National Conference on Mathematics, Statistics & Applications(NCMSA19)	Department of Mathematics, Vignan's Foundations for Science, Technology and Research, VFSTR- Deemed to be University, Vadlamudi, Guntur.	July 19-20, 2019	Delivered an invited talk	National
Dr. N. Anbazhagan	State Level Seminar on Mathematical Analysis and Applications	Department of Mathematics, Sivanthi Aditanar College, Pillayarapuram, Nagercoil.	October 14, 2019	Delivered an invited talk	State level
Dr. N. Anbazhagan	National Level Workshop on Modern Breakthroughs in Number Theoretic & Discrete Geometric Problems	Department of Mathematics, University of Kerala, Kariavattom, Thiruvananthapuram, Kerala, India.	December 10-13, 2019	Delivered an invited talk	National
Dr. J. Vimala	International Conference on Soft Computing and Optimising Techniques ICSO'19	Kamaraj College, Thoothukudi.	9.08.2019 & 10.08.2019	Multi-Fuzzy Soft Sets and its Applications in solving Decision Making Problems based on Lattices	
Dr. J. Vimala	FDP - Moocs	Ramanujam College, New Delhi, sponsored by MHRD	20.04.2020 to 06.05.2020	Managing Online Classes and Co-Creating Mooc"	
Dr. J. Vimala	Workshop - Moocs	Ramanujam College, New Delhi, sponsored by MHRD	25.05.2020 to 05.06.2020	Comprehensive E-Learning To E-Training Guide For Administrative Work	National
Dr. R. Raja	Numerical Computations: Theory and Algorithms	La Castella Isola Capo Rizzuto, Crotone, Italy	June 15-21, 2019	Improved less conservative stability criteria for stochastic uncertain discrete-time neural networks with mixed delays and an impulse	International
Dr. B. Sundaravadivoo	International conference on advances in materials processing and characterization	Bannari Amman Institute of Technology, Sathyamangalam	09.09.2019 to 10.09.2019	Non-linear stochastic fractional neutral type differential system with state delay	International

Dr. B. Sundaravadivoo	Third International Conference on Mathematics and Statistics	American University of Sharjah, Sharjah, UAE	06/02/2020 to 09/02/2020	A Controllability Elucidation-impulsive fractional higher order neutral delay differential systems	International
Dr. S. Amutha	International Conference on Pure and Applied Mathematics	Padmavani Arts and Science College for Women, Tamil Nadu, India.	15 th February 2020	Independent Efficient liars domination in graphs	International
Dr. S. Amutha	International Conference on Algebra, Analysis and their Applications	Madurai Kamaraj University, Madurai, Tamil Nadu, India.	11 th January 2020	Congruent Split Domination in graphs	International
Dr. S. Amutha	International Conference on Mathematical Engineering Applications	University of Malaysia, Kuala Lumpur	16 th August 2019	Bounds on Co-Independent liars domination in graphs	International
Dr. R. Jeyabalan	International conference on Mathematical Engineering Applications for sustainable development-2019	University of Malaya, Kuala Lumpur, Malaysia	August 16-18,2019	Strongly Vertex Multiplicative Magic Graphs	International
Dr. R. Jeyabalan	International conference on mathematical modeling and computational methods in science and Engineering	Department of Mathematics ,Alagappa University, Karaikudi	Jan22-24,2020	On Vertex N-Magic total labeling of Graphs	International
Dr. R. Jeyabalan	International conference on Pure and Applied Mathematics-2020	Department of Mathematics ,Padmavani Arts and Science College for Women, Salem	Feb -15-2020	Strongly Vertex Fuzzy Multiplicative Magic graphs	International
Dr. R. Jeyabalan	International workshop on E-Content Development for Moocs among the faculty Members	Digital Education cell, Alagappa University	10,12,13 –Sep-2019	--	International
Dr. R. Jeyabalan	Managing online classes and Co-Creating Moocs (FDP)	Teaching learning center Ramanujan College , Universtity of Delhi.	April 20-May 06-2020	--	National
Dr. R. Jeyabalan	Workshop	Teaching learning center Ramanujan College , Universtity of Delhi.	May 25-June05-2020	--	National
Dr. M. Mullai	National level workshop on E-Content Development	Department of Education,DDE, Alagappa University, Karaikudi	18-22, Nov'2019.	Attended	National

Dr. M. Mullai	2nd International conference on Mathematical Modelling and Computational Methods in Science and Engineering-2020	School of Mathematics, Alagappa University, Karaikudi	22-24, Jan'2020	Attended	International
Dr. M. Mullai	Two Day Workshop on Mathematical software for business applications- Hands on training & Maple for business applications-Hands on training	School of Mathematics & university business collaboration centre, Alagappa University, Karaikudi	22-26 Feb'2019.	Attended	National
Dr. M. Mullai	National level workshop on E-Content Development	Department of Education, DDE, Alagappa University, Karaikudi	18-22, Nov'2019.	Attended	National
Dr. M. Mullai	International conference on Mahatma Gandhi's contributions to education, culture and society	Department of Education, DDE, Alagappa University, Karaikudi	26-27, Feb'2020	Attended	International
Dr. M. Mullai	Webinar on Mathematical documentation and computation using online tools	ST. MARY'S COLLEGE (AUTONOMOUS) PG & RESEARCH DEPARTMENT OF MATHEMATICS THOOTHUKUDI, TAMIL NADU, INDIA	28-29, May'2020	Attended	National
Dr. M. Mullai	Three day online FDP on "Discriptive Statistics through R-Programming	KPR Institute of Engineering and Technology	26.05.2020-28.05-2020.	Attended	National
Dr. M. Mullai	One week FDP on Geogebra, Dept. of Mathematics	R.k.College, Bihar	6-12, May'2020	Attended	National
Dr. M. Mullai	Two week online workshop on "Comprehensive e-learning to e-trading guide for administrative work"	Teaching Learning center, Ramanujam college, University of Delhi	May 25-June 05, 2020.	Attended	National

Total Number: 34

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr. C. Ganesa Moorthy	Applications of Second Order Derivative of Planck Distribution to Cosmic Microwave Background and Melting Point	World Scientific News - An international scientific journal, 135, 283-288. ISSN 2392-2192. UGC	--	International

Dr. C. Ganesa Moorthy	Lebesgue Spaces and Inclusion Relation	arXiv:1910.00422v1 [math.FA], UGC	--	International
Dr. C. Ganesa Moorthy	Infinite Products Using Multiplicative Modulus Function	The Mathematics Student. 88(4). 39-54. ISSN 0025-5742. UGC	--	National
Dr. C. Ganesa Moorthy	Applicable Multiplicative Calculus Using Multiplicative Modulus Function	Fundamental Journal of Mathematics and Applications. 2(2). 195-199 ISSN 2645-8845. UGC	--	International
Dr. C. Ganesa Moorthy	Inverse fixed points of sequences of mappings	Asian-European Journal of Mathematics. (Online First)ISSN (print): 1793-5571 ISSN (online): 1793-7183. Scopus	--	International
Dr. C. Ganesa Moorthy	Air Pollution Controlled Prototype Modelling of Electrostatic Precipitator for Small Scale Industries	International Journal of Environmental Pollution and Environmental Modelling, 3(1), 15-21. ISSN 2618-6128. UGC	--	International
Dr. C. Ganesa Moorthy	Functional Continuity of Topological Algebras with Orthonormal Bases.	Asian-European Journal of Mathematics. (Online First)ISSN (print): 1793-5571 ISSN (online): 1793-7183. Scopus	--	International
Dr. C. Ganesa Moorthy	Portable Network Graphics Approach to the Authentication of Halftone Images with Henon Map Encryption	Smart Science. 8(2), 50-60. ISSN 2308-0477. Scopus	--	International
Dr. C. Ganesa Moorthy	A Definition of Dirac Delta Functions.	Advances in Mathematics: Scientific Journal, 9(3), 1213-1220. ISSN 1857-8365 (printed version) 1857-8438 (electronic version). Scopus	--	International
Dr. N. Anbazhagan	Extracting Of Frequent Web Page Patterns Using FPPM Algorithm	i-manager's Journal on Computer Science, 7(2), 33-40, November2019. (ISSN: 2347-2227, DOI: 10.1080/09720529.2019.1681695	--	International
Dr. N. Anbazhagan	Neighborhood outer split domination in graphs	Journal of Discrete Mathematical Sciences and Cryptography, 22(5), 787-799, Dec. 2019. ISSN: 0972-0529 DOI: 10.1080/09720529.2019.1681695	--	International
Dr. N. Anbazhagan	An (S - 1, S) Inventory System with Negative Arrivals and Multiple Vacations.	Applications and Applied Mathematics: An International Journal (AAM), 14(2), pp 672 - 686, December 2019. (ISSN: 1932-9466)	--	International
Dr. N. Anbazhagan	An inventory system with retrial demands, multiple vacations and two supply modes	Int. J. Operational Research, Vol. 37, No. 4, pp 524 - 548, 2020. ISSN: 1745-7645 DOI: 10.1504/IJOR.2020.105766	--	International

Dr. N. Anbazhagan	Analysis of Retrial Queueing-Inventory System with Stock Dependent Demand Rate: (s, S) Versus (s, Q) Ordering Policies	International Journal of Applied and Computational Mathematics, Vol. 6(4), Article number 98, August 2020. (ISSN: 2349-5103 (Print) 2199-5796 (Online), DOI: 10.1007/s40819-020-00856-9	--	International
Dr. J. Vimala	Complex Intuitionistic Fuzzy Soft Lattice Ordered Group and Its Weighted Distance Measures	Mathematics	1.747	International
Dr. J. Vimala	Biological inheritance on fuzzy hyperlattice ordered group	Journal of Intelligent and Fuzzy Systems	1.851	International
Dr. J. Vimala	Lattice ordered soft group and its application in urban planning	Journal of Intelligent and Fuzzy Systems	1.851	International
Dr. J. Vimala	Some Properties On Fuzzy Hyperlattice Ordered Group	International Journal of Advanced Science and Technology	--	International
Dr. J. Vimala	The Role of (α, β) – Level set on Complex Intuitionistic Fuzzy Soft Lattice Ordered Groups	International Journal of Advanced Science and Technology	--	International
Dr. J. Vimala	Some Results on Single Valued Neutrosophic Hypergroup	Neutrosophic Sets and Systems	-	International
Dr. J. Vimala	Single- Valued Neutrosophic Hyperrings and Single- Valued Neutrosophic Hyperideals	Neutrosophic Sets and Systems	-	International
Dr. J. Vimala	Implicative and Positive Implicative Filters of Residuated Lattices in Multiset Context	Journal of Discrete Mathematical Sciences and Cryptography	0.68	International
Dr. J. Vimala	A Novel Study on the Algebraic Applications of Special Class of Lattice Ordered Multi-Fuzzy Soft Sets	Journal of Discrete Mathematical Sciences and Cryptography	0.68	International
Dr. J. Vimala	Applications of Multisets in Filter Theory of Residuated Lattices	International Journal of Advanced Science and Technology	-	International
Dr. J. Vimala	Some properties on product of fs Matrices and its application in decision making	The International Journal of Analytical and Experimental Model Analysis	-	International
Dr. R. Raja	Passivity analysis for uncertain discrete time BAM neural networks with leakage and distributed delays using novel summation inequality	International Journal of Control Automation and Systems	2.733	International

Dr. R. Raja	Global projective lag synchronization of fractional order memristor based BAM neural networks with mixed time varying delays	Asian Journal of Control	2.77 9	Inter nationa l
Dr. R. Raja	Finite-time reliable dissipative control of neutral-type of switched artificial neural networks with non-linear fault inputs and randomly occurring uncertainties.	Asian Journal of Control	2.77 9	Inter nationa l
Dr. R. Raja	A delay-dependent asymptotic stability criteria for uncertain BAM neural networks with leakage and discrete time-varying delays: A novel summation inequality.	Asian Journal of Control	2.77 9	Inter nationa l
Dr. R. Raja	Extended dissipative analysis for aircraft flight control systems with random nonlinear actuator fault via non-fragile sampled-data control.	Journal of The Franklin Institute	4.03 6	Inter nationa l
Dr. R. Raja	Existence, Uniqueness and Exponential Stability of Periodic Solution for Discrete-Time Delayed BAM Neural Networks Based on Coincidence Degree Theory and Graph Theoretic Method.	Mathematics	1.74 7	Inter nationa l
Dr. R. Raja	Stability and pinning synchronization analysis of fractional order delayed Cohen–Grossberg neural networks with discontinuous activations.	Applied Mathematics and Computation	3.47 2	Inter nationa l
Dr. R. Raja	Delay-dependent stability criteria of delayed positive systems with uncertain control inputs: Application in mosquito-borne morbidities control	Applied Mathematics and Computation	3.47 2	Inter nationa l
Dr. R. Raja	Quasi-pinning synchronization and stabilization of fractional order BAM neural networks with delays and discontinuous neuron activations	Chaos, Solitons and Fractals	3.76 4	Inter nationa l
Dr. R. Raja	Controllability criteria of fractional differential dynamical systems with non-instantaneous impulses	IMA Journal of Control and Information	1.03 4	Inter nationa l
Dr. R. Raja	Hybrid Control Scheme for Projective Lag Synchronization of Riemann–Liouville Sense Fractional Order Memristive BAM Neural Networks with Mixed Delays	Mathematics	1.74 7	Inter nationa l
Dr. R. Raja	Robust Stability of Complex-Valued Stochastic Neural Networks with Time-Varying Delays and Parameter Uncertainties	Mathematics	1.74 7	Inter nationa l
Dr. R. Raja	Robust Dissipativity Analysis of Hopfield-Type Complex-Valued Neural Networks with Time-Varying Delays and Linear Fractional Uncertainties	Mathematics	1.74 7	Inter nationa l
Dr. R. Raja	Mittag-Leffler stability and adaptive impulsive synchronization of fractional order neural networks in quaternion field	Mathematical Methods in the Applied Sciences	1.62 6	Inter nationa l
Dr. R. Raja	Dissipativity analysis of stochastic fuzzy	Nonlinear Analysis: Modeling	2.78	Inter nationa

	neural networks with randomly occurring uncertainties using delay dividing approach	and Control	0	I
Dr. R. Raja	Multi-weighted Complex Structure on Fractional Order Coupled Neural Networks with Linear Coupling Delay: A Robust Synchronization Problem	Neural Processing Letters	2.891	International
Dr. R. Raja	Finite-Time Mittag-Leffler Stability of Fractional-Order Quaternion-Valued Memristive Neural Networks with Impulses	Neural Processing Letters	2.891	International
Dr. R. Raja	Time-Varying Delayed H-infinity Control Problem for Nonlinear Systems: A Finite Time Study Using Quadratic Convex Approach	Symmetry	2.645	International
Dr. R. Raja	Impulsive effects on stability and passivity analysis of memristor-based fractional-order competitive neural networks	Neurocomputing	4.438	International
Dr .B. Sundaravaido	Controllability criteria of fractional differential dynamical systems with non-instantaneous impulses,	IMA Journal of Mathematical Control and Information	1.00	International
Dr. B. Sundaravaido	Controllability analysis of nonlinear fractional order differential systems with state delay and non-instantaneous impulsive effects	Discrete & Continuous Dynamical Systems - S	1.23	International
Dr. B. Sundaravaido	Non-linear Stochastic Fractional Neutral-type Differential Systems with State Delay : A Controllability Interpretation	IOP Conference Series Materials Science and Engineering	0.53	International
Dr. S. Amutha	Neighborhood outer Split Domination in Graphs	Journal of Discrete Mathematical sciences and Cryptography	--	International
Dr. S. Amutha	Interpretation of Formal semantics from Hand Gesture to text using Proficient contour tracing technique	International Journal of Recent Technology & Engineering	--	International
Dr. S. Amutha	Personify Educational Assistance application for special children using deep learning	International journal of Innovative Technology and Exploring Engineering	--	International
Dr. R. Jeyabalan	Strongly Edge Multiplicative Graphs	Advances in Mathematics: Scientific Journal	--	International
Dr. R. Jeyabalan	A Single Valued Neutrosophic Inventory Model with Neutrosophic Random Variable	International Journal of Neutrosophic	--	International
Dr. M. Mullai	Rejection and Breaks in Pharmaceutical Call Center	International Journal of Pharmaceutical Research.	--	International
Dr. M. Mullai	Non Markovian Priority Queue for Existing Customer with Breaks in Call Center https://doi.org/10.31838/ijpr/2019.11.04.036	, TEST Engineering and Management.	--	International
Dr. M. Mullai	Neutrosophic Project Evaluation and Review Techniques, DOI: 10.5281/zenodo.2593903.	Neutrosophic Sets and Systems	1.739	International
Dr. M. Mullai	A Neutrosophic Technique Based Efficient Routing Protocol For MANET Based On Its Energy And Distance., DOI:	Neutrosophic Sets and Systems	1.739	International

	10.5281/zenodo.2593923.			
Dr. M. Mullai	Single valued (2N+1) sided polygonal neutrosophic numbers and single valued (2N) sided polygonal neutrosophic numbers, DOI: 10.5281/zenodo.2631502	Neutrosophic Sets and Systems	1.739	International
Dr. M. Mullai	Neutrosophic Intelligent Energy Efficient Routing For Wireless Ad-Hoc Network Based on Multicriteria Decision Making, DOI: 10.5281/zenodo.2593923.	Neutrosophic Sets and Systems	1.739	International
Dr. M. Mullai	Neutrosophic Inventory Backorder Problem using Triangular Neutrosophic Numbers	Neutrosophic Sets and Systems.	1.739	International
Dr. M. Mullai	A Single Valued neutrosophic Inventory Model with Neutrosophic Random Variable, Doi : 10.5281/zenodo.3679510.	International Journal of Neutrosophic Science (IJNS)	--	International
Dr. M. Mullai	Dominating energy in Neutrosophic Graphs, Doi:10.5281/zenodo.3789020.	International Journal of Neutrosophic Science	--	International
Dr. M. Mullai	Brain-computer interface for assessment of mental efforts in e-learning using the nonmarkovian queueing model, DOI: 10.1002/cae.22209.	Comput. Appl. Eng. Educ.	1.790	International
Dr. M. Mullai	Homomorphism and Isomorphism in strong neutrosophic graphs	International Journal of Neutrosophic Science.	--	International

Total Number:53

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr. C. Ganesa Moorthy and G.Udhaya Sankar	Numerical methods for calculus students	Lambert Academic Publishing (Germany), 2019 . (ISBN: 9786139909865, 6139909864)
Dr. C. Ganesa Moorthy	Multiplicative analysis	Lambert Academic Publishing (Germany), 2020 . (ISBN: 9786202680448)
Dr. J. Vimala	Lattice Theory: Basics	Lambert Academic Publishing ISBN: 978-620-0-56597-6

Total Number: 3

11. (c) Monographs/Course Materials written by the Faculty Member during 2019-20.

Name of the Faculty	Title of the monograph/Course Material	Name of the Publisher
Dr. C. Ganesa Moorthy	Book Chapter 4:Network Modelling on Tropical Diseases vs. Climate Change	IGI Global (United States) 2020 . DOI: 10.4018/978-1-7998-2197-7
Dr.M.Mullai	Differential Geometry –Course Materials	Vikas Publications Housing PVT.Ltd, Noida
Dr.M.Mullai	Optimization Techniques – Course Materials	Vikas Publications Housing PVT.Ltd, Noida

Total Number:3

12. Awards /Prizes /Medals won by Staff Members during 2019-20

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
Dr. N. Anbazhagan	Best Paper Award (2019)	International Conference on Mathematical Engineering Applications for Sustainable Development", held during August 16-18, 2019, University of Malaya, Meeting room 18-1, Wisma R&D, Kualalampur, Malaysia.	--
Dr. S. Amutha	Eminent Mathematician Award (2019)	International Conference on Mathematical Engineering Applications for Sustainable Development", held during August 16-18, 2019, University of Malaya, Meeting room 18-1, Wisma R&D, Kualalampur, Malaysia jointly organized with the International Multidisciplinary Research Foundation.	--

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20.09.2019 to 22.09.2019	village Extension Programme	Iluppakkudi	113
03.03.2020	State level Quiz Programme	Dept.of Mathematics	54
19.04.2020 to 25.04.2020.	NSS – Covid 19 Social distancing at Market Place	Alagappa Model School	12
24.09.2019	NSS – Day ,Cleaning	Velankudi	23

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	9	RUSA
VOC/PMT Scholarship awarded	6	AURF
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	1	CSIR
UGC Rajiv Gandhi Fellowship	-	-
UGC Indra Gandhi single girl child	-	-
Others (if any)	2	DST-PURSE

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	18000 sq, ft	Laptops	9	Wi-Fi unit	2
Air Conditioners	14	LCD projector	5	Podium	6
Generator/Inverter	1	Xerox machine	-	Interactive board	5
Fax Machines	0	Printers	13		
Computers	50	Phones (including intercom)	4	Others (specify)	-

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	-

Podium –	-
10 KVA Inverter	-

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each : Nil

20. Special Features of the Department / Centre / College

xxix.	Computer Lab with Internet facilities
xxx.	The Staffs of our department possess good relation with the students and also among themselves
xxxi.	Separate Department Library
xxxii.	Students are given assignments on various topics and taken seminar classes
xxxiii.	Students are trained to prepare project reports through Latex

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Learn the concepts experientially by taking Seminars and assignments
ii	Continuous monitoring and evaluation
iii	Mentoring and Modelling

M.Sc.,	195	0	5	1	1	0	22	10	5	44
M.Phil.,	60	0	2	0	0	0	4	2	2	10
Total	255									54

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc.,	1	2	3	0	3	18	8	10	45
M.Phil.,									
Total									45

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil.,	0	2	0	0	0	4	2	2	10
M.Phil (Weekend)	--	--	--	--	--	--	--	--	--

Ph.D. Scholars during 2019-20:

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	---	14	4	1	2	12	3	---	36
Ph.D. (Part-Time)	---	3	4	---	1	2	1	1	12

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	0	5	1	1	7	0	22	10	5	37
PG-II Year	--	2	3	--	5	3	18	8	10	39
M.Phil.	0	2	0	0	2	0	4	2	2	8
Ph.D.	--	--	--	--	--	--	--	--	--	--
Total					14					84

Grand Total: 98

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	COVID 19 LOCKDOWN									
PG-II Year										
M.Phil.										
Ph.D.										
Total										

4. Books/Journals available & added during 2019-20 in the Department / College Library:

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	2928	184	3112	2 lakhs
Indian Journals	9	5	14	
International Journals				

5. Selected Achievements by Faculty Members during 2019-20:

Name of the Faculty	Research Guidance	Funded Projects	Research Publications	Conferences / Seminars

	Completed		Completed				Workshops attended	
	Ph.D	M.P hil	Natl / Inter national	National	Inter national	Books/ Materials	National	Inter national
Dr.G.RAVI	---	2	--	0	38	1	34	18
Dr.K.SANKARANARAYANAN	2	1	--	0	6	--	5	4
Dr.M.SIVAKUMAR	4	1	--	0	32	--	24	29
Dr.N.ANANDHAN	---	1	--	0	12	--	16	16
Dr.R.SUBADEVI	---	1		0	32	--	24	29
Dr.M.RAMESHPRABHU	1	1	--	0	9	2	02	11
Dr.R.YUVAKKUMAR	1	1	-	0	32	--	01	6
Dr.S.SUDHAHAR	---	1	-	0	11	--	19	24
Dr.R.SIVAKUMAR (DDE)	1	1	-	0	13	--	9	13

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc) during 2019-20:

Name of the Scheme	UGC-SAP (DRS III)			
Title	Preparation of Crystals, Thin films and Battery materials for devices			
Funding Agency	UGC			
Duration	2015-2020			
Commencement on	6 th May 2015			
Total Fund Allotted (Rs. Lakhs)	105 lakhs			
Fund Released so far (Rs. Lakhs)	86,00,506/-			
Thrust Area(s)	Crystal Growth, Thin films, Ionics			
Total No. of Project Personnel	No of Faculty Involved	9	No. of Project Fellows	2
Progress / Status	Ongoing			
Remarks				

Name of the Scheme	DST-FIST			
Title	Strengthening teaching and research activities			
Funding Agency	DST			
Duration	2016-2021			
Commencement on	18 th November 2015			
Total Fund Allotted (Rs. Lakhs)	144 lakhs			
Fund Released so far (Rs. Lakhs)	80 lakhs			
Thrust Area(s)	Crystal Growth, Thin films, Ionics			
Total No. of Project Personnel	No of Faculty Involved	9	No. of Project Fellows	
Progress / Status	Ongoing			
Remarks				

Name of the Scheme	DST-PURSE			
Title	Promotion of University Research for Scientific excellence			
Funding Agency	DST			
Duration	2016-2019			
Commencement on	March 2016			
Total Fund Allotted (Rs. Lakhs)	700 lakhs			
Fund Released so far (Rs. Lakhs)	496.98 lakhs			
Thrust Area(s)	Infrastructure & Research development for all Science Departments			

Total No. of Project Personnel	No of Faculty Involved	No. of Project Fellows
Progress / Status	Ongoing	
Remarks		

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. G. Ravi	2018	2021	DST-SERB	Graphene oxide decorated metal oxide thin films on flexible substrates for high performance electrochromic and super capacitor applications	35.53
Dr. M. Sivakumar	2017	2020	DST-SERB	A pursuit of prospective layer / olivine type electrode materials for sodium batteries	35.25
Dr.M. Rameshprabhu	2018	2021	DST-SERB	Synthesis and Characterization of SPEEK-Perovskite based proton conducting polymer electrolyte for HT-PEMFC	26.68

Total Number: 3

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	16 & 17 th september 2019	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019)	200	12	171	International
2	21 October, 2019	World Standards Day 2019	150	1		National

Total Number: 2

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment/ Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	27.01.2020	DST-PURSE	Dr.V.Natarajan, Research Scientist G,IITM, Chennai		90
2	16.02.2020 & 22,23.02.20	DST-PURSE	Dr.N.Meenakshisundaram, Asst.Prof, Vivekananda College, Madurai		90

Total Number: 2

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer with Place	Date(s)	Topic of papers presented	Ntl. / Intl./ State/ Local
Dr.G.Ravi	5 th International conference on	Department Nanoscience	28- 30	Synthesis and	I

	Nanoscience and Nanotechnology (ICONN -2019) Chennai,	and Physics, SRMIST	January 2019	characterization of structural, optical and visible light induced photocatalytic performance of pure and Mn doped SnO ₂ nanoparticles for degradation of organic pollutant	
	5 th International conference on Nanoscience and Nanotechnology (ICONN -2019) Chennai, 28- 30 January 2019	SRMIST		The effects of morphology on pseudo capacitive properties of manganese carbonate nanomaterials for supercapacitor applications	I
	5 th International conference on Nanoscience and Nanotechnology (ICONN -2019) Chennai, 28- 30 January 2019	SRMIST		Fangled design and fabrication of p-CuO/n-CdO heterojunction thin films for diode applications	I
	23 rd National seminar on crystal growth and applications. Bharathiar University, Coimbatore,	Bharathiar University, Coimbatore	28- 30 January 2019	Formation of thin film nanostructures of Wo ₃ and MoO ₃ for gas sensing and photoelectron chemical applications	N
	The International Conference on Advanced Materials for Clean Energy and Health Applications, Jaffna University, Sri Lanka.	Jaffna University, Sri Lanka	6-8 Feb, 2019	Synthesis of MnNiO ₃ /Mn ₃ O ₄ Nanocomposites for Water Electrolysis Process	I
	10 th International Conference on Materials for Advance technologies Nanyang Technological University	Nanyang Technological University, Singapore.	Singapore. 23-28 June, 2019	Bi dopant role in phase, structure, morphological and photo electrochemical behaviour of copper vanadate photo catalysts	I
	International Conference on Current Trends in Material Science and Engineering (CTMSE-2019)	S.N.Bose National Centre for Basic Science, Kolkata.	18-20 July, 2019	Ternary thin films of sputtered cadmium zinc oxide as alternate transparent conducting oxide for solar cell applications.	I
	International Conference on Current Trends in Material Science and Engineering (CTMSE-2019)	S.N.Bose National Centre for Basic Science, Kolkata.		Narrowing band gap effect of alkaline metal doped tin oxide (Ba ²⁺ ,Ca ²⁺ and Mg ²⁺ -SnO ₂) nanostructures	I

				for visible light induced photocatalytic activity of methylene blue dye.	
	International Conference on Current Trends in Material Science and Engineering (CTMSE-2019)	S.N.Bose National Centre for Basic Science, Kolkata.		Formation of one dimensional nanorods with microsphere of $MnCO_3$ using Ag as dopant to enhance the performance of pseudo capacitors.	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019) Alagappa University, Karaikudi. 16-17 September-2019.	Department of Physics, Alagappa University, Karaikudi.	16-17 September-2019.	Atomic energy level storage mechanism and self-assembled complex grain growth of 3D micro/nano structured manganese carbonate for long lifespan asymmetric supercapacitors	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019) Alagappa University, Karaikudi.	Department of Physics, Alagappa University, Karaikudi		Sputtered cadmium zinc oxide thin films as alternate front electrode for future solar cell devices	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019) Alagappa University, Karaikudi.	Department of Physics, Alagappa University, Karaikudi		Band gap narrowing of pure and various metal doped SnO_2 nanostructures with improved photocatalytic activity under visible light irradiation	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019) Alagappa University, Karaikudi.	Department of Physics, Alagappa University, Karaikudi		Role of different precursors in synthesis of CuO nanostructures for Sustainable energy-harvesting applications	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019) Alagappa University, Karaikudi.	Department of Physics, Alagappa University, Karaikudi		Synthesis and Characterization of $NiWO_4@Ni(OH)_2$ Nanocomposite for Electrochemical Water Splitting	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019) Alagappa	Department of Physics, Alagappa University, Karaikudi		Spectral, optical, thermal, mechanical and Quantum chemical computations of 4-hydroxy-3-	I

	University, Karaikudi.			methoxybenzaldehyde nicotinamide organic co-crystal for NLO applications	
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019) Alagappa University, Karaikudi.	Department of Physics, Alagappa University, Karaikudi		Hydrothermal Synthesis of Bi Supported FeVO ₄ Nanorods Electro catalysts for Electrochemical Water Splitting Application'	I
	One day National conference on semiconductors, surfaces alloys modelling and preparation (SSAMAF 2019). Sree Sevuga Annamalai College Devakottai.	Department of Physics, Sree Sevuga Annamalai College, Devakottai.		Synthesis of self-assembled micro/nano structured manganese carbonate for high performance, long lifespan asymmetric supercapacitors	N
	One Day National Conference on semiconductors, surfaces alloys modelling and preparation (SSAMAF 2019). Sree Sevuga Annamalai College Devakottai.	Department of Physics, Sree Sevuga Annamalai College, Devakottai.	6 th December, 2019	Construction of metal doped SnO ₂ @MoS ₂ composites with improved photo catalytic activities of methylene blue dye degradation	N
	One Day National Conference on semiconductors, surfaces alloys modelling and preparation (SSAMAF 2019). Sree Sevuga Annamalai College Devakottai.	Department of Physics, Sree Sevuga Annamalai College, Devakottai.		Synthesize of Fe doped CuO Nanostructures for Sustainable Energy Harvesting Application	N
	Kalasalingam Global Conference (KGC)-2019: International Conference on Sustainable Development. Kalasalingam Academy of Research and Education, Krishnankoil. 18-	Kalasalingam Academy of Research and Education, Krishnankoil.	20, December, 2019	Electrochemical Properties of Various Metals (Cu, Fe and Zn) doped Tin Oxide (SnO ₂) Nanostructures for Energy Storage Applications	I
	International conference on recent trends in green chemistry and materials science (RTCMS-2020) Mohamed sathak engineering college Kilakarai.	Mohamed sathak engineering college, Kilakarai.	23 - 24 Januray 2020	Chemical synthesis of various metal (Cu, Fe and Zn) doped tin oxide (SnO ₂) nanostructures for enhanced supercapacitor applications.	I

	2nd International Conference on Mathematical Modelling and Computational Methods in Science and Engineering (ICMMCMSE-2020). Alagappa University, Karaikudi.	Alagappa University, Karaikudi.	22 - 24, January 2020	Preparation of $\text{CuO}_{1-x}\text{Mn}_x$ ($x= 0.03, 0.05, 0.07$) and MATLAB modelling for sustainable energy harvesting applications	I
	National Conference on Recent Trends in Advanced Materials and Characterization (RTAMC-2020)	VSM Group of Institutions Ramachandrapuram, Andhra Pradesh.	28 January 2020	Growth and Practical applications of DKDP, DAST and SLN crystals	N
	National Seminar on "Advanced materials And its applications".	Karpagam Academy of Higher education, Coimbatore.	5-6 March 2020	Tuning the optical band gap using Mn in lithium niobate crystals for optical data storage applications	N
	National workshop on Advanced nanomaterials for Sustainable Energy and Sensor Applications,	Alagappa University	4-6, March, 2020.	Synthesis and characterization of metal doped $\text{SnO}_2@ \text{MoS}_2$ composites with superior photo catalytic activity of methylene blue dye degradation	N
	National workshop on Advanced nanomaterials for Sustainable Energy and Sensor,	Alagappa University		Improved optoelectronic properties of lanthanum doped CdO thin films applicable to transparent conducting oxide for dye-sensitized solar cells	N
	National workshop on Advanced nanomaterials for Sustainable Energy and Sensor,	Alagappa University		A Photovoltaic Energy Generation Simulink for Energy System Using QZSI.	N
Dr.K.Sankaran arayanan	International Symposium on Modelling of Crystal Growth Processes and Devices (MCGPD-2019),	SSN Institutions, Chennai.	26-28, February (2019)	Unidirectional Growth and Characterization of Triphenylmethane single crystals for Scintillator Applications	I
	23 rd National Seminar on Crystal Growth and Applications (NSCGA-2019), 28-30 January (2019)	Bharathiar University, Coimbatore,		Unidirectional Growth and Characterizations of Organic Single Crystals for Scintillator Application	N
	5 th International Conference on Nanoscience and	SRM University, Chennai	28 th -30 th January	Synthesis of Biocompatible Curcumin-Selenite	I

	Nanotechnology, 28 th -30 th January 2019		2019	Substituted Hydroxyapatite Composites and their Anticancer Effects on Osteosarcoma Cells	
	5 th International Conference on Nanoscience and Nanotechnology, 28 th -30 th January 2019	SRM University, Chennai		Modification in the Dielectric Properties of Palmierite [K ₂ Pb(SO ₄) ₂] mineralon Cobalt doping	I
Dr.M.Sivakumar	14 th International Conference on Ecomaterials (ICEM-14), Thiruvananthapuram,	CSIR-NIIST, Thiruvananthapuram, India.	5-7, February 2020.	Synthesis and Characterization of Carbon Layers Derived from Plant Oil	I
	14 th International Conference on Ecomaterials (ICEM-14), Thiruvananthapuram,	CSIR-NIIST, Thiruvananthapuram, India.		Eco-friendly Layered Electrode Material with Iron-Manganese for Sodium Ion Energy Storage System	I
	13 th National Conference on Solid State Ionics (NCSSI-13), Roorkee.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India	16-18, December 2019	Alternative High Performance Electrodes: Role of Sulfur and Sodium Electrode Materials in Energy Storage Application	N
	13 th National Conference on Solid State Ionics (NCSSI-13), Roorkee,	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Study of Magnesium Oxide mixed with Sulfur electrode for Lithium-Sulfur Batteries	N
	13 th National Conference on Solid State Ionics(NCSSI-13), Roorkee.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Effect of Precursors on Maricite NaMnPO ₄ for Sodium Ion Battery	N
	13 th National Conference on Solid State Ionics (NCSSI-13), Roorkee.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Investigation of layered O ₃ -NaFe _{0.6} Ti _{0.2} Co _{0.2} O ₂ cathode material for sodium ion batteries	N
	13 th National Conference on Solid State Ionics (NCSSI-13), Roorkee.	Department of Physics, Indian Institute of		Studies on layered NaNi _{6/10} Ti _{3/10} Mg _{1/10} O ₂ anode material for secondarysodium	N

		Technology (IIT R), Roorkee, Uttaraghand, India		batteries	
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Studies on fish- scale derived carbon material for energy storage applications	N
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Synthesis and Characterization of spinel type NaMn_2O_4 cathode material for Sodium-Ion Batteries	N
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Carbon-coated Lithium Nickel Cobalt Oxide ($\text{Li}[\text{Ni}_{0.8}\text{Co}_{0.2}]\text{O}_2$) cathode material for enhanced Lithium-ion and Sodium-ion storage	N
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Stable layered electrode material using Post-Transition metal for cost effective sodium ion battery	N
	International Conference on Material Science, Engineering and Technology (ICMSET-2019), Singapore.	Nanyang Technological University @One North Singapore	19-21, October 2019.	Banana Peel derived C-TiO ₂ as high performance anode for Sodium-ion battery	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi.	Department of Physics, Alagappa University	16 & 17, September 2019	Heteroatom Doped Graphene/Sulfur Nanocomposite as Positive Electrode Material for Lithium-Sulfur Batteries	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Department of Physics, Alagappa University		Research of nano rod nickel oxide electrode material via facile method for supercapacitor applications	I

	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Department of Physics, Alagappa University		An easily ascendible synthesis of Sodium Cobalt Phosphate electrode material for Sodium-Ion Batteries	
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi.	Department of Physics, Alagappa University		Preparation and characterization of layered O3-NaFe _{0.8} Ti _{0.1} Cr _{0.1} O ₂ cathode material for sodium batteries	
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi.	Department of Physics, Alagappa University		Effect of sepiolite in sulfur/ZrO ₂ binary composite cathode material for Lithium sulfur Li-S battery	
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi.	Department of Physics, Alagappa University		Improved electrochemical properties in layered electrode material switched with Al for sodium ion secondary battery	
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi.	Department of Physics, Alagappa University		Investigation of corn silk as a carbon source in Lithium iron orthosilicate as a positive electrode for Li-ion batteries	
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi.	Department of Physics, Alagappa University		Studies on layered sodium titanate-magnesium anode material for rechargeable sodium-ion batteries	
	International Conference on Recent Advances in Applied Chemical Sciences Devakottai	Department of Chemistry, Sree Sevugan Annamalai College	06, September 2019.	Copper substituted stable layered electrode material for costEffective sodium ion rechargeable battery	
	International Conference on Recent Advances in Applied Chemical Sciences Devakottai	Department of Chemistry, Sree Sevugan Annamalai College		Investigation of layered NaNi _{5/10} Ti _{3/10} Mg _{2/10} O ₂ anode material for secondary Na-ion batteries	
	International Conference on Recent Advances in Applied Chemical Sciences Devakottai	Department of Chemistry, Sree Sevugan Annamalai College		Structural analysis of layered O3-type NaFe _{0.7} Ti _{0.2} Cr _{0.1} O ₂ cathode material for sodium ion batteries	
	International Conference on Recent Advances in Applied Chemical Sciences Devakottai.	Department of Chemistry, Sree Sevugan Annamalai College		Sepiolite wrapped sulfur/ ZrO ₂ twofold merged cathode material for Li-S battery	

Dr.N.Anandhan	A Two-Week AICTE & TEQIP -FDP on “Synthesis and Characterization of Nanomaterials-2019” Jawaharlal Nehru Technological University Hyderabad, Telangana, India,	Center for Nano Science and Technology, Institute of Science and Technology, Jawaharlal Nehru Technological University Hyderabad, Telangana,	04.11.2019 to 16.11.2019	Participated and Completed	N
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Alagappa University, Karaikudi-3, Tamil Nadu, India).	Department of Physics	Sept 16-17,2019	Photo-luminescence studies of Rare earth metal Praseodymium modified Bismuth titanate thin films	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Alagappa University, Karaikudi-3, Tamil Nadu, India).	Department of Physics		An influence of pH solution on structural, morphological and optical, properties of Cu ₂ O thin films deposited for solar cell applications by electro-chemical method	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Alagappa University, Karaikudi-3, Tamil Nadu, India).	Department of Physics		Influence of TiCl ₃ Doped Mono Chalcogenide thin film Prepared by Electrodeposition Technique,	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Alagappa University, Karaikudi-3, Tamil Nadu, India).	Department of Physics		Impact of Zn (II) incorporation on the Structure, Physico-Chemical and biological properties of wet chemically synthesized NanoHydroxyapatite	I
	Functional Materials for Bio-energy, Green Technology, and Environmental Sustainability-FMGES 2019), Trinity College for Women (Arts and Science), Namakkal-637 00, Tamil Nadu,	Department of PG Department of Physics and Chemistry in Association with Indian Science and		August 08th , 2019	Synthesis and investigation of Fe (II) incorporated nanoHydroxyapatite,

	India).	Technological Association and Elaveni Organization			
	2nd International Conference on Molecular Physiology, Therapeutics and Experimental Medicine MP-TEM-2019), Alagappa University, Karaikudi-3, Tamil Nadu, India).	Department of Animal Health and Management,	July 24-25th, 2019	Extraction and Characterization of Chitin and Chitosan from the horse mussel <i>Modiolusmodiolus</i>	I
	2nd International Conference on Molecular Physiology, Therapeutics and Experimental Medicine MP-TEM-2019), Alagappa University, Karaikudi-3, Tamil Nadu, India).	Department of Animal Health and Management,		Extraction and Characterization of Chitin and Chitosan from the Pen Shell <i>Pinna bicolorgmelin</i>	I
Dr.R.Subadevi	14 th International Conference on Ecomaterials (ICEM-14), Thiruvananthapuram	CSIR-NIIST, Thiruvananthapuram, India.	5-7, February 2020.	Synthesis and Characterization of Carbon Layers Derived from Plant Oil	I
	14 th International Conference on Ecomaterials (ICEM-14), Thiruvananthapuram,	CSIR-NIIST, Thiruvananthapuram, India.		Eco-friendly Layered Electrode Material with Iron-Manganese for Sodium Ion Energy Storage System	I
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee,.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India	16-18, December 2019	Alternative High Performance Electrodes: Role of Sulfur and Sodium Electrode Materials in Energy Storage Application	N
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee,.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Study of Magnesium Oxide mixed with Sulfur electrode for Lithium-Sulfur Batteries	N
	13th National Conference on Solid State Ionics(NCSSI-13), Roorkee.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand,		Effect of Precursors on Maricite NaMnPO ₄ for Sodium Ion Battery	N

		India			
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee,.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Investigation of layered O ₃ -NaFe _{0.6} Ti _{0.2} Co _{0.2} O ₂ cathode material for sodium ion batteries	N
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee,.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Studies on layered NaNi _{6/10} Ti _{3/10} Mg _{1/10} O ₂ anode material for secondary sodium batteries	N
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee,.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Studies on fish- scale derived carbon material for energy storage applications	N
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Synthesis and Characterization of spinel type NaMn ₂ O ₄ cathode material for Sodium-Ion Batteries	N
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee,.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Carbon-coated Lithium Nickel Cobalt Oxide (Li[Ni _{0.8} Co _{0.2}]O ₂) cathode material for enhanced Lithium-ion and Sodium-ion storage	N
	13th National Conference on Solid State Ionics (NCSSI-13), Roorkee,.	Department of Physics, Indian Institute of Technology (IIT R), Roorkee, Uttaraghand, India		Stable layered electrode material using Post-Transition metal for cost effective sodium ion battery	N
	International Conference on Material Science, Engineering and Technology (ICMSET-2019), Singapore, during	Nanyang Technological University @One North Singapore	19-21, October 2019.	Banana Peel derived C-TiO ₂ as high performance anode for Sodium-ion battery	I

	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Department of Physics, Alagappa University		Heteroatom Doped Graphene/Sulfur Nanocomposite as Positive Electrode Material for Lithium-Sulfur Batteries		
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Department of Physics, Alagappa University		Research of nano rod nickel oxide electrode material via facile method for supercapacitor applications		
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Department of Physics, Alagappa University		An easily ascendible synthesis of Sodium Cobalt Phosphate electrode material for Sodium-Ion Batteries		
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Department of Physics, Alagappa University	16 & 17, September 2019.	Preparation and characterization of layered O3- $\text{NaFe}_{0.8}\text{Ti}_{0.1}\text{Cr}_{0.1}\text{O}_2$ cathode material for sodium batteries		
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Department of Physics, Alagappa University		Effect of sepiolite in sulfur/ ZrO_2 binary composite cathode material for Lithium sulfur Li-S battery		
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Department of Physics, Alagappa University		Improved electrochemical properties in layered electrode material switched with Al for sodium ion secondary battery		
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Department of Physics, Alagappa University		Investigation of corn silk as a carbon source in Lithium iron orthosilicate as a positive electrode for Li-ion batteries		
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Department of Physics, Alagappa University		Studies on layered sodium titanate-magnesium anode material for rechargeable sodium-ion batteries		
	International Conference on Recent Advances in Applied Chemical Sciences (ICRAACS-2019), Devakottai	Department of Chemistry, Sree Sevugan Annamalai College		06, September 2019.	Copper substituted stable layered electrode material for costEffective sodium ion rechargeable battery	
	International Conference on Recent Advances in Applied Chemical Sciences (ICRAACS-2019),	Department of Chemistry, Sree Sevugan Annamalai			Investigation of layered $\text{NaNi}_{5/10}\text{Ti}_{3/10}\text{Mg}_{2/10}\text{O}_2$ anode material for secondary Na-ion batteries	

	Devakottai	College				
	International Conference on Recent Advances in Applied Chemical Sciences (ICRAACS-2019), Devakottai	Department of Chemistry, Sree Sevugan Annamalai College			Structural analysis of layered O3-type $\text{NaFe}_{0.7}\text{Ti}_{0.2}\text{Cr}_{0.1}\text{O}_2$ cathode material for sodium ion batteries	I
	International Conference on Recent Advances in Applied Chemical Sciences (ICRAACS-2019), Devakottai	Department of Chemistry, Sree Sevugan Annamalai College			Sepiolite wrapped sulfur/ ZrO_2 twofold merged cathode material for Li-S battery	I
Dr.M.Ramesh Prabhu	National Workshop on Advanced Nanomaterials for Sustainable Energy and Sensor Applications (AN-SEA 2020), Alagappa University, Karaikudi,	Alagappa University, Karaikudi,	4-6 March 2020.			N
	14 th International Conference on Ecomaterials (ICEM14), India,	CSIR-National Institute of Interdisciplinary Science and Technology (CSIR-NIIST), Thiruvananthapuram	5-7 February 2020.			I
	2 nd International Conference on Mathematical modeling and Computational Methods in Science and Engineering (ICMMCMSE-2020), Karaikudi,	Alagappa University, Karaikudi,	22-24 January 2020			I
	Fifth International Conference on Polymer Processing and Characterization (ICPPC-2019), Kottayam ,	Mahatma Gandhi University, Kottayam, Kerala	11-13 October 2019		Enhancement in proton conductivity of SPEEK- BaCeO_3 nano composite membranes for PEM fuel cell applications	I
	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019), Karaikudi,.	Alagappa University, Karaikudi	16-17 September 2019		Concentrated sulfonated poly (ether sulfone) membrane grafted with neodymium doped barium cerate for HT-PEMFC	I
	International Conference on Recent Advances in Applied Chemical Sciences (ICRAACS-2019), Devakottai,.	Sree Sevugan Annamalai College, Devakottai	6 September 2019		High durability of SPEEK- BaCeO_3 nano composite membranes for PEM fuel cell application.	I
	International Conference on	Dr. Umayal Ramanathan	7-8		Improved Performance of Polybenzimidazole	I

	“Emerging Paradigms in Diseases Management and Energy Technology” (ICDMET – 2019), Karaikudi,	College for Women, Karaikudi	August 2019.	based proton exchange membrane using perovskite structure Strontium titanate as nano filler for HT-PEM Fuel Cell Applications	
Dr.R.Yuvakumar	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMES-2019)	Department of Physics	16-17 September 2019	Hydrothermal Synthesis of Bi Supported FeVO ₄ Nanorod Electrocatalysts for Electrochemical Water Splitting Application	I
	11 th International Conference on Magnetic and Superconducting Materials	Seoul National University, South Korea	17-24 Aug 2019	Role of Bi dopant in Phase, Structure, Morphological and Photoelectrochemical Behavior of Copper Vanadate Photocatalysts	I
	10 th International Conference on Materials for Advanced Technologies	Nanyang Technological University, Singapore	Singapore. 23-28 June, 2019	Multifunctional Mono-Dispersed SmMn ₂ O ₅ Nanorods for Electrochemical Energy Applications	I
	International Conference on Advanced Materials for Clean Energy and Health Applications (AMCEHA 2019)	University of Jaffna	6-8 Feb, 2019	Synthesis of MnNiO ₃ /Mn ₃ O ₄ Nanocomposites for Water Electrolysis Process	I
	International Conference on Advanced Materials - ICAM 2019	Nirmalagiri College, Kerala, India	12-14 Jun 2019	Dopant influence on phase and electrochemical performance of molybdenum sulfide nanostructures	I
Dr.S.Sudhahar	National seminar on Crystal growth and applications (NSCGA-2020), Salem,.	Dept.of. Physics, Periyar university.		Investigation Of Piperazinium Phthalate Single Crystal With Its Mechanical, Thermal, Structural And Morphological Properties For Non-Linear Optics	N
	National seminar on Crystal growth and applications (NSCGA-2020) Salem,	Dept.of. Physics, Periyar university.	3-5 Feb 2020	Growth, Experimental And Theoretical Investigations On Piperazinium Bis (5-Chloro-2-Hydroxybenzoate) Nonlinear Optical Material	N
	National seminar on Crystal growth and applications (NSCGA-2020) Salem.	Dept.of. Physics, Periyar university.		Physicochemical and quantum chemical calculations of new bis (2-amino-6-methylpyridinium	N

				pyrimidinetrioste) tetrahydrate organic single crystal for nonlinear applications	
	International Conference on Physics of advanced materials and molecules (ICPAMM-2020) Vyasarpadi, chennai,	Dept. Of. Physics, Dr. Ambedkar govt. Arts.college.	30-31 Jan 2020	Growth and characterization of 2-aminopyridinium 3,4-dimethoxybenzoate for nonlinear applications	I
	International Conference on Physics of advanced materials and molecules (ICPAMM-2020) Vyasarpadi, chennai	Dept. Of. Physics, Dr. Ambedkar govt. Arts.college,		Crystal growth and characterization of 2-amino pyridinium pelminate single crystal for nonlinear optical applications	I
	International Conference on Recent advances in materials and mathematical sciences (RTMMS-2019), Krishnankoil,	School of advanced sciences, Kalasalingam academy of research and education.		Synthesis, Growth and Characterization of New Organic 6-Amino-2-Picolinium Myristate Single Crystal for Nonlinear Optical Applications	I
	International Conference on Recent advances in materials and mathematical sciences (RTMMS-2019) Krishnankoil,	School of advanced sciences, Kalasalingam academy of research and education.		Growth, optical, thermal and mechanical properties of piperazinium orthophthalate single crystal	I
	International Conference on Recent advances in materials and mathematical sciences (RTMMS-2019), Krishnankoil,	School of advanced sciences, Kalasalingam academy of research and education.	18-20 Dec 2019	Biosynthesis of ZnO Nanoparticles by Using Cucurbita Seed Extract on Mosquito Larvae with its Bioactive Behavior	I
	International Conference on Recent advances in materials and mathematical sciences (RTMMS-2019) Krishnankoil,	School of advanced sciences, Kalasalingam academy of research and education.		Experimental and theoretical studies of vanillic aldehyde 2-hydroxy-5-chlorobenzoic acid nonlinear optical single crystal	I
	International Conference on Recent advances in materials and mathematical sciences (RTMMS-2019) Krishnankoil,	School of advanced sciences, Kalasalingam academy of research and education.		Physicochemical and DFT simulation studies of 6-methyl-2-pyridilaminium veratrumenoate single crystal for nonlinear optical applications	I
	National conference on	Department	6 Dec	Investigation of	N

	Semiconductors, surfaces, alloys modeling and preparation (SSAMAP-2019) Devakottai,	of Physics, Sree Sevugan annamalai college.	2019	piperazinium orthophthalate single crystal yielding high second harmonic generation efficiency	
	National conference on Semiconductors, surfaces, alloys, modeling and preparation (SSAMAP-2019) Devakottai,	Department of Physics, Sree Sevugan annamalai college.		Effect of biosynthesis of ZnO nanoparticles via Cucurbita seed extract on Culex tritaeniorhynchus mosquito larvae with its biological applications	N
	National conference on Semiconductors, surfaces, alloys, modeling and preparation (SSAMAP-2019) Devakottai,	Department of Physics, Sree Sevugan annamalai college.		Structural, optical, vibrational and second harmonic properties of 6-amino-2-picolinium myristate single crystal	N
	National conference on Semiconductors, surfaces, alloys, modeling and preparation (SSAMAP-2019) Devakottai,	Department of Physics, Sree Sevugan annamalai college.		Growth and characterization of vanillin 5-chlorosalicylic acid nonlinear optical single crystal	N
	National conference on Semiconductors, surfaces, alloys, modeling and preparation (SSAMAP-2019) Devakottai,	Department of Physics, Sree Sevugan annamalai college.		Effective growth of 6-amino-2-picolinium veratriate single crystal for nonlinear optical applications.	N
	International Conference on Recent trends in applied science and technology (ICRTAST-2019), Chennai,.	Department of Physics, SSN institute of technology	19-201 Sep 2019	Crystal growth and characterization of Bis-(6- Amino-2-picoline) succinate monohydrate organic nonlinear optical single crystal.	I
	International Conference on Recent trends in applied science and technology (ICRTAST-2019), Chennai,.	Department of Physics, SSN institute of technology		Vibrational, optical, thermal and density functional theories of vanillin nicotinamide nonlinear optical crystal.	I
	International Conference on Advanced materials for sustainable energy and sensors (INCAMSES – 2019), Karaikudi,	Department of Physics, Alagappa University	16-17 Sep 2019	structural, optical, thermal, mechanical and Quantum chemical calculations of Bis-(2-amino-6-methylpyridinium) succinate monohydrate organic single crystal	I
	International Conference on	Department of Physics,		Spectral, optical, thermal, mechanical	I

	Advanced materials for sustainable energy and sensors (INCAMSES – 2019), Karaikudi,	Alagappa University		and Quantum chemical computations of 4-hydroxy-3-methoxybenzaldehyde nicotinamide organic co-crystal for NLO applications	
	International Conference on Advanced materials for sustainable energy and sensors (INCAMSES – 2019), Karaikudi,	Department of Physics, Alagappa University		Cytotoxicity and Antibacterial activity of Biosynthesis of ZnO nanoparticles by Echinocloa frumentacea grains extract	I
	International Conference on Advanced materials for sustainable energy and sensors (INCAMSES – 2019), Karaikudi	Department of Physics, Alagappa University		Investigation of piperazinium orthophthalate single crystal with its mechanical, thermal and optical properties for non-linear optical applications	I
	International Conference on Advanced materials for sustainable energy and sensors (INCAMSES – 2019), Karaikudi	Department of Physics, Alagappa University		Synthesis, growth and non-linear optical properties of 8-hydroxyquinolinium myristate optical single crystal	I
	International Conference on Advanced materials for sustainable energy and sensors (INCAMSES – 2019), Karaikudi,	Department of Physics, Alagappa University		Biosynthesis of Ag nanoparticles by <i>Allium Sativum</i> flower extract as a capping agent and its antibacterial activity	I
	International Conference on Advanced materials for sustainable energy and sensors (INCAMSES – 2019), Karaikudi,	Department of Physics, Alagappa University		Antibacterial activity of Biosynthesis of CuO nanoparticles by <i>Allium Sativum</i> extract as a stabilizing agent.	I
	International Conference on Advanced materials for sustainable energy and sensors (INCAMSES – 2019), Karaikudi	Department of Physics, Alagappa University		Effective growth of 2-aminopyridinium p-hydroxybenzoate single crystals and its structural optical properties for non-linear optical applications	I
	International Conference on Advanced materials for sustainable energy and sensors (INCAMSES – 2019), Karaikudi,	Department of Physics, Alagappa University		Structural, vibrational, optical and second harmonic NLO properties of 2-amino-6-methylpyridinium myristate single crystal	I
	International Conference on Recent advances in applied	Department of Chemistry, Sree	6 Sep 2019	Studies on the spectral and optical properties of organic non-linear	I

	chemical sciences (ICRAACS - 2019), Devakottai,	Sevugan Annamalai College		optical 2-aminopyridinium 5-chlorosalicylate single crystal	
	International Conference on Recent advances in applied chemical sciences (ICRAACS - 2019), Devakottai,	Department of Chemistry, Sree Sevugan Annamalai College		synthesis, growth, structural and optical properties of 8-hydroxyquinolium myristate nonlinear optical single crystal	
	International Conference on Recent advances in applied chemical sciences (ICRAACS - 2019), Devakottai,	Department of Chemistry, Sree Sevugan Annamalai College		Effect of cytotoxicity and antibacterial activity of biosynthesis of zno hexagonal shaped nanoparticles by echinocloa frumentacea grains extract as a reducing agent	
	International Conference on Recent advances in applied chemical sciences (ICRAACS - 2019), Devakottai,	Department of Chemistry, Sree Sevugan Annamalai College		spectral and optical properties of 2-aminopyridinium p-hydroxybenzoate nonlinear optical single crystal	
Dr.R.Sivakumar (DDE)	3 rd International Conference on Recent Trends in Applied Science and Technology in Tamil,.	SSN College of Engineering, Chennai	September 19-21, 2019	Al ₂ O ₃ :Cr ₂ O ₃ :CuO (1:1:1) thin film: a good room temperature sensing material for ammonia gas	
	International Conference on Advanced Materials for Sustainable Energy and Sensors,.	Alagappa University, Karaikudi	September 16-17, 2019	Annealing temperature induced formation of MgO ₂ :Al ₂ O ₃ and MgAl ₂ O ₄ thin films synthesized by sol-gel spin coating technique	
	International Conference on Advanced Materials for Sustainable Energy and Sensors,.	Alagappa University, Karaikudi		Molarity effect of structural, vibrational and optical properties of Mn ₃ O ₄ thin film prepared by simple nebulized spray pyrolysis method	
	International Conference on Emerging Paradigms in Disease Management and Energy Technology, (Awarded for the best oral presentation paper)	Dr. Umayal Ramanathan College for Women, Karaikudi	August 07-08, 2019	Detailed study on structural and optical properties of Mn ₂ O ₃ thin film prepared by nebulized spray pyrolysis method	
	15 th International	University of Malaya,	June 17-	Metal oxide thin film gas	

	Conference on Frontiers of Polymers and Advance Materials-2019,	Malaysia	21, 2019	sensor preparation and characterization for organic vapors	
	International Conference on Advanced Materials,	Nirmalagiri College, Kerala	June 12-14, 2019	Enhanced photocatalytic activity of ZnWO ₄ nanoparticles synthesized using polymeric surfactant	I
	64 th DAE Solid State Physics Symposium,.	Indian Institute of Technology, Jodhpur	December 18-22, 2019	Structural and optical properties of CoWO ₄ nanoparticles synthesised by co-precipitation technique	N

Total Number: 137

11. (a) Research papers published by the Staff in Refereed Journals during 2019-20:

Name of the Faculty	Title of the Paper	Journal (Issue, Period, ISSN, page, etc.)	Impact factor	Ntl.(N)/ Intl.(I)
Prof.G.Ravi	Different rare earth (Sm, La, Nd) doped magnetron sputtered CdO thin films for optoelectronic applications	Journal of Materials Science: Materials in Electronics, (2019),1-14. DOI: 10.1007/s10854-019-01342-9	2.220	I
	Preparation of SnO ₂ Nanoparticles with Addition of Co Ions for Photocatalytic Activity of Brilliant Green Dye Degradation	Journal of Electronic Materials, 48, (2019), 2183–2194. https://doi.org/10.1007/s11664-019-07061-5	1.774	I
	Synthesis of MnNiO ₃ /Mn ₃ O ₄ nanocomposites for the water electrolysis process	Journal of Sol-Gel Science and Technology, 92, (2019),1–11. https://doi.org/10.1007/s10971-019-05083-3	2.008	I
	Superior electrochemical water oxidation of novel NiS@FeS ₂ nanocomposites	Materials Science in Semiconductor Processing , 101, (2019), 174–182 . https://doi.org/10.1016/j.mssp.2019.06.010	3.085	I
	Supercapacitor and OER activity of transition metal (Mo, Co, Cu) sulphides	Journal of Physics and Chemistry of Solids, 138, (2020), 109240. https://doi.org/10.1016/j.jpcs.2019.109240	3.442	I
	Binder free, robust and scalable CuO@GCE modified electrodes for efficient electrochemical water oxidation	Materials Chemistry and Physics,239,(2020)122321. https://doi.org/10.1016/j.materchemphys.2019.122321	3.408	I
	Highly dispersed SmMn ₂ O ₅ nanorods for electrochemical water oxidation reaction kinetics	Materials Research Express, 6, (2019) , 9	1.929	I

	Electrochemical performances of monodispersed spherical CuFe_2O_4 nanoparticles for pseudocapacitive applications	Vacuum 168 (2019) 108798 https://doi.org/10.1016/j.vacuum.2019.108798	2.906	I
	Perovskite BiFeO_3 nanocatalysts for electrochemical water oxidation	Journal of Sol-Gel Science and Technology, 91, (2019), 247-254 https://doi.org/10.1007/s10971-019-05036-w	2.008	I
	WO_3 nanocubes for photoelectrochemical water-splitting applications	Journal of Physics and Chemistry of Solids, 134, (2019), 149-156 https://doi.org/10.1016/j.jpss.2019.06.005	3.442	I
	Electrochemical Performance of $\beta\text{-NiS@Ni(OH)}_2$ Nanocomposite for Water Splitting Applications	ACS Omega 4, (2019) ,10302-10310. doi: 10.1021/acsomega.9b00710	2.584	I
	Preparation and electrochemical characterization of Mo_9O_{26} nanopowders for supercapacitors applications	Nano-Structures & Nano-Objects ,19, (2019) , 100340 https://doi.org/10.1016/j.nanos.2019.100340	---	I
	Novel SmMn_2O_5 hollow long nano-cuboids for electrochemical supercapacitor and water splitting applications	Vacuum ,166 , (2019) , 279–285 https://doi.org/10.1016/j.vacuum.2019.05.029	2.906	I
	Ultrafine M-doped TiO_2 (M = Fe, Ce, La) nanosphere photoanodes for photoelectrochemical water-splitting applications	Materials Characterization ,152,(2019), 188–203 https://doi.org/10.1016/j.materchar.2019.04.024	3.562	I
	Bi_2WO_6 and FeWO_4 Nanocatalysts for the Electrochemical Water Oxidation Process	ACS Omega ,4, (2019) , 5241-5253. https://doi.org/10.1021/acsomega.8b03003	2.584	I
	Dopant influence on phase and electrochemical performance of molybdenum sulfide nanostructures	AIP Conference Proceedings ,2162, (2019) ,020110 https://doi.org/10.1063/1.5130320	0.4	I
	Fabrication and electrochemical OER activity of Ag doped MoO_3 nanorods	Materials Science in Semiconductor Processing , 107, (2020) ,104818 . https://doi.org/10.1016/j.mssp.2019.104818	3.085	I
	MnFe_2O_4 Nanoparticles as an Efficient Electrode for Energy Storage Applications	Journal of Nanoscience and Nanotechnology 20, (2020) , 96-105. doi:10.1166/jnn.2020.17187	1.134	I

	Morphology-Dependent Photo electrochemical and Photocatalytic Performance of $\text{-Bi}_2\text{O}_3$ Nanostructures	Journal of Nanoscience and Nanotechnology, 20, (2020),143-154 https://doi.org/10.1166/jnn.2020.17188	1.134	I
	Synthesis of $\text{X}_3(\text{PO}_4)_2$ [X = Ni, Cu, Mn] Nanomaterials as an Efficient Electrode for Energy Storage Applications	Journal of Nanoscience and Nanotechnology, 20, (2020),2813–2822, https://doi.org/10.1166/jnn.2020.17448	1.134	I
	Synthesis and characterization of $\text{Mn}_3\text{O}_4/\text{MnSnO}_3$ nanocomposites for supercapacitor applications	International Journal of Plastics Technology, (2020),1-9 https://doi.org/10.1007/s12588-019-09250-7	1.380	I
	Synthesis of self-assembled micro/nano structured manganese carbonate for high performance, long lifespan asymmetric super capacitors and investigation of atomic-level intercalation properties of OH^- ions via first principle calculation	Journal of Energy Storage, 27, (2020), 101138. https://doi.org/10.1016/j.est.2019.101138	3.762	I
	Improved optoelectronic properties of Gd doped cadmium oxide thin films through optimized film thickness for alternative TCO applications	Journal of Alloys and Compounds,820, (2020), 153188. https://doi.org/10.1016/j.jallcom.2019.153188	4.65	I
	Improved photocatalytic performance of nanostructured SnO_2 via addition of alkaline earth metals (Ba^{2+} , Ca^{2+} and Mg^{2+}) under visible light irradiation, nder visible light irradiation,	Applied Physics A, https://doi.org/10.1007/s00339-020-3441-8	1.81	I
	Investigation of electrochemical properties of various transition metals doped SnO_2 spherical nanostructures for supercapacitor applications	Journal of Energy Storage,30, (2020), 101530. https://doi.org/10.1016/j.est.2020.101530	3.762	I
	Urchin like $\text{NiCo}_2\text{O}_4/\text{rGO}$ nanocomposite for high energy asymmetric storage applications	Ceramics International https://doi.org/10.1016/j.ceramint.2020.03.186	3.83	I
	Neutral and alkaline chemical environment dependent synthesis of Mn_3O_4 for oxygen evolution reaction (OER)	Materials Chemistry and Physics	3.408	I
	Designing rational and cheapest SeO_2 electro	Journal of Physics and Chemistry of Solids,	3.442	I

	catalyst for long stable water splitting process	doi.org/10.1016/j.jpccs.2020.109544		
	CoNiSe ₂ Nanostructures for Clean Energy Production	ACS Omega doi.org/10.1021/acsomega.0c01476	2.584	I
	Functional reduced graphene oxide/cobalt hydroxide composite for energy storage applications	Materials Letter doi.org/10.1016/j.matlet.2020.128193	3.019	I
	Water-splitting application of orthorhombic molybdate α -MoO ₃ nanorods	Ceramics International doi.org/10.1016/j.ceramint.2020.06.104	3.83	I
	Nickel-cobalt hydroxide: a positive electrode for supercapacitor applications	RSC Advances doi.org/10.1039/D0RA01890B	3.049	I
	Ni supported anorthic phase FeVO ₄ nanorods for electrochemical water oxidation	Materials Letter doi.org/10.1016/j.matlet.2020.128091	3.019	I
	Y ₂ O ₃ nanorods for cytotoxicity evaluation	Ceramics International doi.org/10.1016/j.ceramint.2020.05.172	3.83	I
	Photoelectrochemical activity of copper vanadate nanostructures	Materials Letter doi.org/10.1016/j.matlet.2020.127996	3.019	I
	In situ hydrothermal growth of SnS/Ni foam for electrochemical energy storage and conversion	Materials Letter doi.org/10.1016/j.matlet.2020.127958	3.019	I
	Single-phase Cr ₂ O ₃ nanoparticles for biomedical applications	Ceramic International doi.org/10.1016/j.ceramint.2020.05.050	3.83	I
	Efficient and stable planar perovskite solar cells using co-doped tin oxide as the electron transport layer	Journal of power sources https://doi.org/10.1016/j.jpowsour.2020.228443	8.297	I
Prof. K. Sankaranarayanan	Unidirectional crystal growth, luminescence and Scintillation Characteristics of t-stilbene Single Crystals	Dyes and Pigments, 160, 848-852, (2019).	4.613	I
	Crystal growth and characterization of 1, 3, 5-triphenylbenzene organic scintillator crystal	Journal of Materials Chemistry and Physics, 223, 183-189, (2019).	3.408	I
	Impact of Cerium Doping on Dielectric Properties of Palmierite [K ₂ Pb(SO ₄) ₂]	Journal of Electronic Materials, 48(4), 2577-2586, (2019).	1.774	I
	Sol-gel mediated microwave synthesis of pure, La and Zr doped SnS ₂ nanoflowers an efficient Photocatalyst for the degradation of Methylene Blue	Journal of Materials Science: Materials in Electronics, 30 (8), 7963-7973, 2019	3.553	I

	Synthesis and dielectric characterization of pure and cobalt doped Palmierite $[K_2Pb(SO_4)_2]$ mineral	Materials Research Express, 6 (10), 2019, 104005	1.929	I
	Physicochemical and DFT studies on new organic Bis-(2-amino-6-methylpyridinium) succinate monohydrate good quality single crystal for nonlinear optical applications	Journal of Molecular Structure Volume 121215 July 2020 Article 128069	2.463	I
Dr.M.Sivakumar	Effect of TiO_2 /Carbon Black in Sulfur Based Composite Cathode for Lithium Sulfur Batteries	Ionics (Accepted)	2.394	I
	An Emerging Electrochemically Active Maricite $NaMnPO_4$ as Cathode Material at Elevated Temperature for Sodium-Ion Batteries	Applied Nanoscience, (Accepted)	2.88	I
	Graphene Sheets Encased Silica/Sulfur Composite Cathode for Improved Cyclability of Lithium-Sulfur Batteries	Journal of Solid State Electrochemistry, (Accepted)	2.646	I
	Tweaking the Electrochemical Activity of Maricite $NaMnPO_4$ in Sodium Batteries using Different Manganese Precursors via Polyol Method	Journal of Solid State Chemistry, DOI:10.1016/j.jssc.2020.121551	2.726	I
	Novel Layered $O_3-NaFe_{0.45}Co_{0.45}Ti_{0.1}O_2$ cathode material for Sodium Batteries	Materials Letters DOI: 10.1016/j.matlet.2020.128181	3.204	I
	An Imprint of Sulfur/ SiO_2 in N-doped Graphene as Positive Electrode for Lithium-Sulfur Rechargeable Batteries	Applied Physics A DOI:10.1007/s00339-020-03617-z	1.81	I
	Titanium based Layered $O_3-NaTi_{7/10}Ni_{3/20}Mg_{3/20}O_2$ anode material for Sodium ion batteries	Materials Letters DOI:10.1016/j.matlet.2020.127950	3.204	
	Nitrogen doped Graphene Sheets Encapsulated Sulfur Binary Composite as Cathode for Lithium-Sulfur Battery Applications	Journal of Materials Engineering and Performance DOI:10.1007/s11665-020-04825-7	1.652	
	Stable Prismatic Layer Structured Cathode Material via Cation Mixing for Sodium Ion Battery	Ionics DOI:10.1007/s11581-020-03592-8	2.394	
	Cobalt doped layered Lithium nickel oxide as a 3 in 1	International Journal of Energy Research	3.741	I

	electrode for Lithium-ion, Sodium-ion and supercapacitor applications	DOI:10.1002/er.5492		
	Sepiolite Enfolded Sulfur/ZnO Binary Composite Cathode Material for Li-S Battery	Frontiers in Materials DOI:10.3389/fmats.2020.00109	2.705	I
	Enhanced Electrochemical Performance of MWCNT-intercalated Silica/Sulfur Composite Cathode for Rechargeable Lithium-Sulfur Batteries	Journal of Minerals, Metals & Materials Society -(JOM) DOI: 10.1007/s11837-020-04165-w	2.029	I
	Effect of Polyaniline on Sulfur/Sepiolite Composite Cathode for Lithium-Sulfur Batteries	Polymers DOI:10.3390/polym12040755	3.426	I
	Graphene oxide-crowned poly(acrylonitrile)/sulfur as a lithium-sulfur battery cathode: performance and characterization	SN Applied Sciences DOI: 10.1007/s42452-020-2576-8	-	I
	High Capacity Prismatic Type Layered Electrode with Anionic Redox Activity as an Efficient Cathode Material and PVdF/SiO ₂ Composite Membrane for a Sodium Ion Battery	Polymers DOI:10.3390/polym12030662	3.426	I
	Micro-/Mesoporous Nature of Carbon Nanofiber/Silica Matrix as an Effective Sulfur Host for Rechargeable Lithium-Sulfur Batteries	Journal of Physics D: Applied Physics DOI:10.1088/1361-6463/ab8137	3.169	I
	Enhanced Performance on layered O ₃ -Na _{0.95} CrO ₂ cathode material for emerging sodium ion Batteries	Ionics DOI:10.1007/s11581-020-03523-7	2.394	I
	Superior Ionic Transferring Polymer with Silicon dioxide composite Membrane via Phase Inversion Method designed for High Performance Sodium-Ion Battery	Polymers DOI:10.3390/polym12020405	3.426	I
	Egg Shell Membrane Derived Carbon Coated On Li ₂ FeSiO ₄ Cathode Material for Li-Ion Batteries	Energies DOI:10.3390/en13040786	2.702	I
	Effect of downsizing the maricite type α phase sodium cobalt phosphate (α -NaCoPO ₄) in sodium-ion battery	Journal of Nanoparticle Research DOI:10.1007/s11051-019-4733-9	2.132	I

	Sulfur nested with mixture of MnO ₂ /AB composite as efficient host for high performance Li-S batteries	Journal of Chemical Sciences DOI:10.1007/s12039-020-1755-x	1.406	I
	Kombucha scoby based carbon and Graphene oxide wrapped sulfur/ Poly (acrylonitrile) as a high-capacity cathode in lithium-sulfur batteries	Frontiers of Chemical Science and Engineering DOI:10.1007/s11705-019-1897-x	3.552	I
	Carbon Loaded Nano-Designed Spherically High Symmetric Lithium Iron Orthosilicate Cathode Materials for Lithium Secondary Batteries	Polymers DOI:10.3390/polym11101703	3.426	I
	Exploration of sulfur in mixt anchor materials for lithium sulfur batteries	Materials Research Express DOI:10.1088/2053-1591/ab49a5	1.929	I
	Physicochemical Exfoliation of Graphene Sheet using Graphitic Carbon Nitride	New Journal of Chemistry DOI: 10.1039/c9nj02149c	3.288	I
	Investigations on partially reduced graphene oxide capped sulfur/polyaniline composite as positive electrode material for lithium-sulfur battery	Materials Research Express	1.929	I
	A solution-processed binary composite as a cathode material in lithium-sulfur batteries	Applied Physics A DOI: 10.1007/s00339-019-2758-7	1.81	I
	Sway of MnO ₂ with poly (acronitrile) in sulfur based electrode for lithium sulfur batteries	Polymer Bulletin DOI:10.1007/s00289-019-02963-0	2.014	I
	Sulfur Cloaked with Different Carbonaceous Materials for High Performance Lithium Sulfur Batteries	Current Applied Physics DOI: 10.1016/j.cap.2019.05.001	2.281	I
	Kombucha scoby-based carbon as a green scaffold for high-capacity cathode in lithium-sulfur batteries	Ionics DOI: 10.1007/s11581-019-03018-0	2.394	I
	Synthesis and characterization of graphene oxide capped sulfur / polyacrylonitrile composite cathode by simple heat treatment	Journal of Sulfur Chemistry	1.963	I
	An enhanced electrochemical properties of novel tin based layered Li(Ni-Sn-Mn)O ₂ cathode material	Materials Research Express DOI: 10.1088/2053-1591/ab2216	1.929	I

	for rechargeable Li-ion batteries			
Dr.N.Anandhan	An enhancement of ferromagnetic, structural, morphological, and optical properties of Mn-doped Cu ₂ O thin films by an electrodeposition technique.	Journal of Materials Science: Materials in Electronics (2019) 30:19524–19535 https://doi.org/10.1007/s10854-019-02318-5	3.553	I
	Electrochemical Sensor for the Detection of Lead ions of B-site Doped Bismuth Titanate Perovskite Thin Film.	Applied Physics A (2019) 125:669 https://doi.org/10.1007/s00339-019-2963-4	1.810	
	Acclimating The Magnetic Behavior Of Highly (117) Oriented Bi ₄ Ti _{3-x} Mn _x O ₁₂ Thin Films Prepared Sol-gel Spin Coating Method.	AIP Proceedings Accepted for Publication Manuscript Number: f0031	0.4	I
	Synthesis, characterization and electrical conductivity of Fe ₃ O ₄ nanoparticles	Indian Journal of Applied Research., 9(9),1-5 (2019), DOI : 10.36106/ijar.	--	I
	Tuning the magnetic properties of electrochemically deposited Cu ₂ O thin films by Fe incorporation.	Journal of Materials Science: Materials in Electronics 30, 15482–15492 (2019),	3.553	I
	Physicochemical and electrochemical analysis of rare earth metal doped BTO perovskite thin films.	AIP Conference Proceedings 2115, 030302 (2019)	0.4	I
	Role of Annealing Temperatures on Mechanical, Optical, Electrical and Magnetic Properties of Nanohydroxyapatite Biomaterial	Journal of nanoscience and nanotechnology 19 (8), 4366-4376 (2019),	1.354	I
	Effect of Deposition Potential and Bath Temperature on One-Step Electrochemical Synthesis of One and Two Dimensional Nanostructured ZnO Thin Films on Fluorine Doped Tin Oxide Substrates	J of Nanosci and Nano Technol., 19 (11), 7014-7025, (2019)	1.354	I
	Effect of Deposition potential on Synthesis, Structural, Morphological and Photoconductivity Response of Cu ₂ O thin films by Electrodeposition technique	Acta Metallurgica Sinica(English Letters) , 32(9), 1065–1074 (2019)	2.090	I
	Synthesis of ligand free,large scale with high quality all-inorganic CsPbI ₃ and CsPb ₂ Br ₅ nanocrystals and	Journal of Alloys and Compounds (Accepted for Publication 2019)	4.650	I

	fabrication of all-inorganic perovskite solar cells			
	Synthesis and characterization of copper sulfide thin films for quantum dot sensitized solar cell and supercapacitor applications	Nano-structures and Nano-objects 17 (2019)138-147	---	I
	N-doped carbon quantum dots @ hexagonal porous copper oxide decorated multiwall carbon nanotubes: A hybrid composite material for an efficient ultra-sensitive determination of Caffeic acid	Composites Part B: Engineering, 174 (2019) 106973	7.635	I
Dr.R.Subadevi	Effect of TiO ₂ /Carbon Black in Sulfur Based Composite Cathode for Lithium Sulfur Batteries	Ionics (Accepted)	2.394	I
	An Emerging Electrochemically Active Maricite NaMnPO ₄ as Cathode Material at Elevated Temperature for Sodium-Ion Batteries	Applied Nanoscience, (Accepted)	2.88	I
	Graphene Sheets Encased Silica/Sulfur Composite Cathode for Improved Cyclability of Lithium-Sulfur Batteries	Journal of Solid State Electrochemistry, (Accepted)	2.646	I
	Tweaking the Electrochemical Activity of Maricite NaMnPO ₄ in Sodium Batteries using Different Manganese Precursors via Polyol Method	Journal of Solid State Chemistry, DOI:10.1016/j.jssc.2020.121551	2.726	I
	Novel Layered O ₃ -NaFe _{0.45} Co _{0.45} Ti _{0.1} O ₂ cathode material for Sodium Batteries	Materials Letters DOI: 10.1016/j.matlet.2020.128181	3.204	I
	An Imprint of Sulfur/SiO ₂ in N-doped Graphene as Positive Electrode for Lithium-Sulfur Rechargeable Batteries	Applied Physics A DOI:10.1007/s00339-020-03617-z	1.81	I
	Titanium based Layered O ₃ -NaTi _{7/10} Ni _{3/20} Mg _{3/20} O ₂ anode material for Sodium ion batteries	Materials Letters DOI:10.1016/j.matlet.2020.127950	3.204	I
	Nitrogen doped Graphene Sheets Encapsulated Sulfur Binary Composite as Cathode for Lithium-Sulfur Battery Applications	Journal of Materials Engineering and Performance DOI:10.1007/s11665-020-04825-7	1.652	I
	Stable Prismatic Layer Structured Cathode Material	Ionics DOI:10.1007/s11581-020-	2.394	I

	via Cation Mixing for Sodium Ion Battery	03592-8		
	Cobalt doped layered Lithium nickel oxide as a 3 in 1 electrode for Lithium-ion, Sodium-ion and supercapacitor applications	International Journal of Energy Research DOI:10.1002/er.5492	3.741	I
	Sepiolite Enfolded Sulfur/ZnO Binary Composite Cathode Material for Li-S Battery	Frontiers in Materials DOI:10.3389/fmats.2020.00109	2.705	
	Enhanced Electrochemical Performance of MWCNT-intercalated Silica/Sulfur Composite Cathode for Rechargeable Lithium-Sulfur Batteries	Journal of Minerals, Metals & Materials Society -(JOM) DOI: 10.1007/s11837-020-04165-w	2.029	I
	Effect of Polyaniline on Sulfur/Sepiolite Composite Cathode for Lithium-Sulfur Batteries	Polymers DOI:10.3390/polym12040755	3.426	I
	Graphene oxide-crowned poly(acrylonitrile)/sulfur as a lithium-sulfur battery cathode: performance and characterization	SN Applied Sciences DOI: 10.1007/s42452-020-2576-8	-	I
	High Capacity Prismatic Type Layered Electrode with Anionic Redox Activity as an Efficient Cathode Material and PVdF/SiO ₂ Composite Membrane for a Sodium Ion Battery	Polymers DOI:10.3390/polym12030662	3.426	I
	Micro-/Mesoporous Nature of Carbon Nanofiber/Silica Matrix as an Effective Sulfur Host for Rechargeable Lithium-Sulfur Batteries	Journal of Physics D: Applied Physics DOI:10.1088/1361-6463/ab8137	3.169	I
	Enhanced Performance on layered O ₃ -Na _{0.95} CrO ₂ cathode material for emerging sodium ion Batteries	Ionics DOI:10.1007/s11581-020-03523-7	2.394	I
	Superior Ionic Transferring Polymer with Silicon dioxide composite Membrane via Phase Inversion Method designed for High Performance Sodium-Ion Battery	Polymers DOI:10.3390/polym12020405	3.426	I
	Egg Shell Membrane Derived Carbon Coated On Li ₂ FeSiO ₄ Cathode Material for Li-Ion Batteries	Energies DOI:10.3390/en13040786	2.702	I

	Effect of downsizing the maricite type α phase sodium cobalt phosphate (α -NaCoPO ₄) in sodium-ion battery	Journal of Nanoparticle Research DOI:10.1007/s11051-019-4733-9	2.132	I
	Sulfur nested with mixture of MnO ₂ /AB composite as efficient host for high performance Li-S batteries	Journal of Chemical Sciences DOI:10.1007/s12039-020-1755-x	1.406	I
	Kombucha scoby based carbon and Graphene oxide wrapped sulfur/ Poly (acrylonitrile) as a high-capacity cathode in lithium-sulfur batteries	Frontiers of Chemical Science and Engineering DOI:10.1007/s11705-019-1897-x	3.552	I
	Carbon Loaded Nano-Designed Spherically High Symmetric Lithium Iron Orthosilicate Cathode Materials for Lithium Secondary Batteries	Polymers DOI:10.3390/polym11101703	3.426	
	Exploration of sulfur in mixt anchor materials for lithium sulfur batteries	Materials Research Express DOI:10.1088/2053-1591/ab49a5	1.929	
	Physicochemical Exfoliation of Graphene Sheet using Graphitic Carbon Nitride	New Journal of Chemistry DOI: 10.1039/c9nj02149c	3.288	
	Investigations on partially reduced graphene oxide capped sulfur/polyaniline composite as positive electrode material for lithium-sulfur battery	Materials Research Express	1.929	
	A solution-processed binary composite as a cathode material in lithium-sulfur batteries	Applied Physics A DOI: 10.1007/s00339-019-2758-7	1.81	
	Sway of MnO ₂ with poly (acronitrile) in sulfur based electrode for lithium sulfur batteries	Polymer Bulletin DOI:10.1007/s00289-019-02963-0	2.014	
	Sulfur Cloaked with Different Carbonaceous Materials for High Performance Lithium Sulfur Batteries	Current Applied Physics DOI: 10.1016/j.cap.2019.05.001	2.281	
	Kombucha scoby-based carbon as a green scaffold for high-capacity cathode in lithium-sulfur batteries	Ionics DOI: 10.1007/s11581-019-03018-0	2.394	
	Synthesis and characterization of graphene oxide capped sulfur / polyacrylonitrile composite cathode by simple heat treatment	Journal of Sulfur Chemistry	1.963	

	An enhanced electrochemical properties of novel tin based layered Li(Ni-Sn-Mn)O ₂ cathode material for rechargeable Li-ion batteries	Materials Research Express DOI: 10.1088/2053-1591/ab2216	1.929	
Dr.M. Rameshprabhu	In situ polymerization of poly aniline-SPEEK- PMA-based proton exchange membrane for DMFC application	Journal of Thermoplastic Composite Materials, DOI: 10.1177/0892705719835293	1.529	
	Investigation on SPEEK/PAI/SrTiO ₃ -based nanocomposite membrane for high-temperature proton exchange membrane fuel cells	Ionics, DOI: 10.1007/s11581-019-03100-7	2.394	
	Incorporation of sulfonated silica nano particles into polymer blend membrane for PEM fuel cell applications	Materials Research Express, DOI: 10.1088/2053-1591/ab4a3b.	1.929	
	The Effect of the Geikelite (MgTiO ₃) nanofiller concentration in PVdF-HFP/PVAc based polymer blend electrolytes for Magnesium ion battery	Ionics, https://doi.org/10.1007/s11581-019-03341-6	2.394	
	The Effect of incorporation of ferrous titanate nanoparticles in sulfonated poly(ether ether ketone)/poly (amide imide) acid-base polymer for cations exchange membrane fuel cells	Journal of Solid State Electrochemistry. https://doi.org/10.1007/s10008-019-04453-9	2.646	
	Influence of phosphotungstic acid in sulfonated poly (ether ether ketone) - poly (amide imide) based proton conductive membranes and its impact on the electrochemical studies of microbial fuel cell application	Ionics, https://doi.org/10.1007/s11581-019-03415-5	2.394	
	Nano-sulfonated silica incorporated SPEEK / S-PVdF-HFP polymer blend membrane for PEM fuel cell application	Ionics, https://doi.org/10.1007/s11581-020-03478-9	2.394	
	Tailoring SPEEK/SPVdF-co-HFP/La₂Zr₂O₇ Ternary Composite Membrane for Cation Exchange Membrane Fuel Cells	Industrial & Engineering Chemistry Research (ACS), https://doi.org/10.1021/acs.iecr.9b06922	3.573	
	Protonated state and synergistic role of Nd ³⁺ doped barium cerate	Soft Matter (RSC), DOI: 10.1039/d0sm00427h	3.14	

	perovskite for the enhancement of ionic pathways in novel sulfonated polyethersulfone for H ₂ /O ₂ fuel cells			
Dr.R.Yuvakkumar	CoNiSe ₂ Nanostructures for Clean Energy Production	ACS Omega doi.org/10.1021/acsomega.0c01476	2.87	
	Functional reduced graphene oxide/cobalt hydroxide composite for energy storage applications	Materials Letter doi.org/10.1016/j.matlet.2020.128193	3.204	
	Water-splitting application of orthorhombic molybdate α -MoO ₃ nanorods	Ceramics International doi.org/10.1016/j.ceramint.2020.06.104	3.83	
	Ni doped Bi₂WO₆ for electrochemical OER activity	International Journal of Hydrogen Energy https://doi.org/10.1016/j.ijhydene.2020.05.135	4.939	
	Ni supported anorthic phase FeVO ₄ nanorods for electrochemical water oxidation	Materials Letter doi.org/10.1016/j.matlet.2020.128091	3.204	
	Y ₂ O ₃ nanorods for cytotoxicity evaluation	Ceramics International doi.org/10.1016/j.ceramint.2020.05.172	3.83	
	Nickel–cobalt hydroxide: a positive electrode for supercapacitor applications	RSC Advances doi.org/10.1039/D0RA01890B	3.119	
	Photoelectrochemical activity of copper vanadate nanostructures	Materials Letter doi.org/10.1016/j.matlet.2020.127996	3.204	
	In situ hydrothermal growth of SnS/Ni foam for electrochemical energy storage and conversion	Materials Letter doi.org/10.1016/j.matlet.2020.127958	3.204	
	Designing rational and cheapest SeO ₂ electrocatalyst for long stable water splitting process	Journal of Physics and Chemistry of Solids doi.org/10.1016/j.jpics.2020.109544	3.442	
	Single-phase Cr ₂ O ₃ nanoparticles for biomedical applications	Ceramic International doi.org/10.1016/j.ceramint.2020.05.050	3.83	
	Urchin like NiCo ₂ O ₄ /rGO nanocomposite for high energy asymmetric storage applications	Ceramic International https://doi.org/10.1016/j.ceramint.2020.03.186	3.83	
	Bi ₂ WO ₆ and FeWO ₄ Nanocatalysts for the Electrochemical Water Oxidation Process	ACS Omega doi.org/10.1021/acsomega.8b03003	2.87	
	Binder free, robust and scalable CuO@GCE modified electrodes for	Materials Chemistry and Physics doi.org/10.1016/j.matchem	3.408	

	efficient electrochemical water oxidation	phys.2019.122321		
	Electrochemical Performance of β -NiS@Ni(OH) ₂ Nanocomposite for Water Splitting Applications	ACS Omega doi.org/10.1021/acsomega.9b00710	2.87	
	Electrochemical performances of monodispersed spherical CuFe ₂ O ₄ nanoparticles for pseudocapacitive applications	Vacuum https://doi.org/10.1016/j.vacuum.2019.108798	2.906	
	Fabrication and electrochemical OER activity of Ag doped MoO ₃ nanorods	Materials Science in Semiconductor Processing , doi.org/10.1016/j.mssp.2019.104818	3.085	
	Highly dispersed SmMn ₂ O ₅ nanorods for electrochemical water oxidation reaction kinetics	Materials Research Express	1.449	
	MnFe ₂ O ₄ Nanoparticles as an Efficient Electrode for Energy Storage Applications	Journal of Nanoscience and Nanotechnology 20, (2020), 96-105. doi.org/10.1166/jnn.2020.17187	1.354	
	Morphology-Dependent Photo electrochemical and Photocatalytic Performance of -Bi ₂ O ₃ Nanostructures	Journal of Nanoscience and Nanotechnology, doi.org/10.1166/jnn.2020.17188	1.354	
	Novel SmMn ₂ O ₅ hollow long nano-cuboids for electrochemical supercapacitor and water splitting applications	Vacuum ,166 , (2019) , 279–285 doi.org/10.1016/j.vacuum.2019.05.029	2.906	
	Perovskite BiFeO ₃ nanocatalysts for electrochemical water oxidation	Journal of Sol-Gel Science and Technology, doi.org/10.1007/s10971-019-05036-w	2.008	
	Preparation and electrochemical characterization of Mo ₉ O ₂₆ nanopowders for supercapacitors applications	Nano-Structures & Nano-Objects doi.org/10.1016/j.nanoso.2019.100340	1.113	
	Supercapacitor and OER activity of transition metal (Mo, Co, Cu) sulphides	Journal of Physics and Chemistry of Solids doi.org/10.1016/j.jpcs.2019.109240	3.442	
	Superior electrochemical water oxidation of novel NiS@FeS ₂ nanocomposites	Materials Science in Semiconductor Processing doi.org/10.1016/j.mssp.2019.06.010	3.085	
	Synthesis and characterization of	International Journal of Plastics Technology,	1.38	

	Mn ₃ O ₄ /MnSnO ₃ nanocomposites for supercapacitor applications	doi.org/10.1007/S12588-019-09250-7		
	Synthesis of MnNiO ₃ /Mn ₃ O ₄ nanocomposites for the water electrolysis process	Journal of Sol-Gel Science and Technology, doi.org/10.1007/s10971-019-05083-3	2.008	
	Synthesis of X ₃ (PO ₄) ₂ [X = Ni, Cu, Mn] Nanomaterials as an Efficient Electrode for Energy Storage Applications	Journal of Nanoscience and Nanotechnology doi.org/10.1166/jnn.2020.17448	1.354	
	Ultrafine M-doped TiO ₂ (M = Fe, Ce, La) nanosphere photoanodes for photoelectrochemical water-splitting applications	Materials Characterization https://doi.org/10.1016/j.matchar.2019.04.024	3.562	
	WO ₃ nanocubes for photoelectrochemical water-splitting applications	Journal of Physics and Chemistry of Solids https://doi.org/10.1016/j.jpcs.2019.06.005	3.442	
	Preparation of SnO ₂ nanoparticles with addition of Co ions for photocatalytic activity of brilliant green dye degradation	Journal of Electronics Materials, 48 (4), 2183-2194	1.774	
	Investigation of electrochemical properties of various transition metals doped SnO ₂ spherical nanostructures for supercapacitor applications	Journal of Energy Storage 31 (2020), 101530	3.762	
Dr.S.Sudhahar	Green synthesis of Silver oxide nanoparticles using Zephyranthes Rosea flower extract and evaluation of biological activities	Journal of Environmental Chemical Engineering Doi:10.1016/j.jece.2020.104137	4.3	
	Green synthesis of CuO nanoparticles via Allium sativum extract and its characterizations on antimicrobial, antioxidant, antilarvicidal activities	Journal of Environmental Chemical Engineering Doi:10.1016/j.jece.2020.104123	4.3	
	Evaluations of biosynthesized Ag nanoparticles via Allium Sativum flower extract in biological applications	Applied Nanoscience DOI:10.1007/s13204-020-01463-2	2.88	
	Growth, experimental and theoretical investigations on 4-hydroxy-3-methoxybenzaldehyde 5-chloro-2-hydroxybenzoic acid: A new high second order nonlinear optical material	Journal of Molecular Structure DOI:10.1016/j.molstruc.2020.128406	2.463	

	Physicochemical and DFT studies on new organic Bis-(2-amino-6-methylpyridinium) succinate monohydrate good quality single crystal for nonlinear optical applications	Journal of Molecular Structure DOI:10.1016/j.molstruc.2020.128069	2.463	
	Effective Growth and Characterization of Piperazinium Orthophthalate Single Crystal Yielding High Second Harmonic Generation Efficiency	Chinese Journal of Physics DOI:10.1016/j.cjph.2020.01.005	2.638	
	Effect of biosynthesis of ZnO nanoparticles via Cucurbita seed extract on Culex tritaeniorhynchus mosquito larvae with its biological applications	Journal of Photochemistry & Photobiology, B: Biology DOI:10.1016/j.jphotobiol.2019.111650	4.383	
	Effect of cytotoxicity and antibacterial activity of biosynthesis of ZnO hexagonal shaped nanoparticles by Echinochloa frumentacea grains extract as a reducing agent	Materials Chemistry and Physics DOI:10.1016/j.matchemphys.2019.121976	3.408	
	Synthesis, growth and physicochemical characterization of 8-hydroxyquinolinium 3,4 dimethoxybenzoate, a novel organic nonlinear optical single crystal	Applied Physics A DOI:10.1007/s00339-020-3366-2	1.81	
	Synthesis, crystal growth, and characterization of piperazinedium bis (4-aminobenzoate) dihydrate - An efficient third-order nonlinear optical single crystal for opto-electronic applications	Chinese Journal of Physics DOI:10.1016/j.cjph.2019.09.028	2.638	
	Enhanced electrochemical studies of ZnO/CNT nanocomposite for supercapacitor devices	Physica B: Condensed Matter DOI:10.1016/j.physb.2019.05.025	1.902	
Dr.R.Sivakumar	Development of room temperature sensor based on high quality rhombohedral Al ₂ O ₃ :Cr ₂ O ₃ (1:1) thin film with bone like morphological feature for ultrasensitive detection of NH ₃ gas	Journal of Materials Science: Materials in Electronics 31 (2020) 10123	2.220	
	Brown coloration and electrochromic properties of nickel doped TiO ₂ thin films deposited by nebulized spray	Thin Solid Films 694 (2020) 137754	2.030	

	pyrolysis technique			
	Properties of polymeric surfactant mediated ZnWO ₄ nanoparticles for photocatalytic application	AIP Conference Proceedings 2162, (2019) 020112	0.4	
	Influences of sputtering power and annealing temperature on the structural and optical properties of Al ₂ O ₃ :CuO thin films fabricated by radio frequency magnetron sputtering technique	Journal of Materials Science: Materials in Electronics 30 (2019) 18315	2.220	
	Effects of sputtering power and substrate temperature on the optical properties of Al ₂ O ₃ :Cr ₂ O ₃ thin films	Mater. Today: Proc. 9 (2019) 193	0.576	
	Facile fabrication of spinel structured n-type CuAl ₂ O ₄ thin film with nanoglass like morphology by sputtering technique	Appl. Surf. Sci. 483 (2019) 601	6.182	
	Eco-friendly nebulized spray deposition of bifunctional anatase TiO ₂ thin films exhibiting multicolor switching and efficient NH ₃ gas sensing at room temperature	Mater. Res. Express 6 (2019) 065053	1.929	
	Al ₂ O ₃ :Cr ₂ O ₃ :CuO (1:1:1) thin film prepared by radio frequency magnetron sputtering technique: a promising material for high sensitive room temperature ammonia sensor	Mater. Res. Express 6 (2019) 066422	1.929	
	Tuning the morphology of Cr ₂ O ₃ :CuO (50:50) thin films by RF magnetron sputtering for room temperature sensing application	Appl. Surf. Sci. 466 (2019) 703	6.182	
	Growth angle-dependent tunable work function and optoelectronic properties of MoO _x thin films	Applied Surface Science 507 (2020) 144958	6.182	
	Tailoring the physical properties and electrochromic performance of nebulizer spray coated Co ₃ O ₄ films through copper doping	Solid State Ionics 334 (2019) 5	3.107	
	Electrochromic performance of chromium-doped Co ₃ O ₄ nanocrystalline thin films prepared by nebulizer spray technique	J. Alloys Compd. 784 (2019) 49	4.650	

	On the preparation of Tri-vanadium hepta-oxide thin films for electrochromic applications	Vacuum 160 (2019) 238	2.906	
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Total Number: 120

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr.G.Ravi	Quantum Confinement Effect of 2D Nanomaterials	Intechopen limited

Total Number: 1

11. (c) Monographs/Course Materials written by the Faculty Member during 2019-20.

Name of the Faculty	Title of the monograph/Course Material	Name of the Publisher
Dr.M.Ramesh Prabhu	Advanced Electronics And Physics Laboratory – I	
Dr.M.Ramesh Prabhu	Microprocessor And Instrumentation	

Total Number: 2

14. (a) Consultancy by Faculty Members during 2019-20:

Name of Faculty	Nature of Consultancy	Institution	Value (Rs.Lakhs)	Outcome
All members	FTIR, XRD, Raman, Surface profiler, PL, VSM	Various Institutions	Rs. 973405/-	Rendering service and structural identification for the given samples

14. (b) Collaborative Assignments by Department / Faculty during 2019-20:

Name of Faculty	Collaborating Institution	Thrust Area	Outcome	Intrinsic Value (Rs. Lakhs)
Dr.G.Ravi	Stanford University, USA	Thin films & Nanomaterials	MoU	
	Western Norway University of Applied Science, Norway	Thin films & Nanomaterials	MoU	
	Shizuoka University, Japan	Thin films & Nanomaterials	Published papers in reputed Journals	
	University of Porto, Portugal	Nanomaterials	Published papers in reputed Journals	
	Department of Biosensors and Bioelectronics, Alagappa University	Thin films & Nanomaterials	Published papers in reputed Journals	
	Jamal Mohamed College (Autonomous), Tiruchirappalli	Thin films & Nanomaterials	Published papers in reputed Journals	
	Department of Physics, Sree Sevugan Annamalai College, Devakottai	Thin films	Published papers in reputed Journals	
	CSIR-Central Electrochemical	Nanomaterials	Published	

	Research Institute, Karaikudi		papers reputed Journals	in	
	Vellore Institute of Technology (VIT), Vellore	Crystal Growth	Published papers reputed Journals	in	
	Thiruvalluvar College of Engineering and Technology, Vandavasi	Crystal Growth	Published papers reputed Journals	in	
	Bharathidasan University, Tiruchirappalli	Crystal Growth	Published papers reputed Journals	in	
Dr.K.Sankaran arayanan	IGCAR-Kalpakkam	Crystal Growth	Published papers reputed Journals	in	
	CSIR- CECRI Karaikudi	Crystal Growth	Published papers reputed Journals	in	
	Department of Animal Health and Management, Alagappa University	Nanomaterials	Published papers reputed Journals	in	
Dr.M.Sivakumar	Department of Chemical Engineering, Chung Yuan Christian University, Chung-Li, Taiwan	Lithium-ion Battery, Lithium-sulfur battery, Sodium-ion battery and Bio-diesel	MoU Research paper-6		
	National Taiwan University , Taipei, Taiwan.	Energy materials	Published papers reputed Journals	in	
	National Taiwan University of Science and Technology, Taipei, Taiwan.	Energy materials	Published papers reputed Journals and DST-NSC Collaborative Project	in	
	ITRI, Hsinchu, Taiwan.	Energy materials	Published papers reputed Journals	in	
	Chung Yuan Christian University, Taiwan.	Energy materials	Published papers reputed Journals	in	

Dr.M. Sivakumar	Nanyang technological University , Singapore	Fuel Cells	Started Collaboration	
	CSIR- CECRI Karaikudi	Energy materials	Published papers in reputed Journals	
	IIT M, Chennai	Energy materials	Published papers in reputed Journals	
	Anna University College of Engg., Dindigul	Energy materials	Published papers in reputed Journals	
	M.K. University, Madurai	Energy materials	Published papers in reputed Journals	
	Periyar University, Salem	Energy materials	Published papers in reputed Journals	
Dr.N. Anandhan	CECRI, Karaikudi	Thin films	Published papers in reputed Journals	
	Annamalai University, Chidambaram	Thin films	Published papers in reputed Journals	
	Centre for Nano and Soft matter Science (CeNS),Bangalore	Thin films	Published papers in reputed Journals	
Dr.R.Subadevi	National Taiwan University, Taipei, Taiwan.	Energy materials	Published papers in reputed Journals	
	National Taiwan University of Science and Technology, Taipei, Taiwan.	Energy materials	Published papers in reputed Journals	
	ITRI, Hsinchu, Taiwan.	Energy materials	Published papers in	

			reputed Journals	
	Chung Yuan Christian University, Taiwan.	Energy materials	Published papers in reputed Journals	
	Nanyang technological University , Singapore	Fuel Cells	Started Collaboration	
	CSIR- CECRI Karaikudi	Energy materials	Published papers in reputed Journals	
	IIT M, Chennai	Energy materials	Published papers in reputed Journals	
	Anna University College of Engg., Dindigul	Energy materials	Published papers in reputed Journals	
	M.K. University, Madurai	Energy materials	Published papers in reputed Journals	
	Periyar University, Salem	Energy materials	Published papers in reputed Journals	
Dr.R.Subadevi				
Dr.M.Ramesh Prabhu	Madras University, Chennai	Solid State Ionics	Published papers in reputed Journals	
Dr.R. Yuvakkumar	Chungnam National University, South Korea	Nanomaterials	Published papers in reputed Journals	
	KRISS, South Korea	Nanomaterials	Published papers in reputed Journals	
Dr.S.Sudhahar	Anna University, Chennai	Crystal Growth	Published papers in reputed Journals	
	National Physical Laboratory, Newdelhi	Crystal Growth	Published papers in reputed Journals	
	University of Madras Chennai	Crystal Growth	Published papers in reputed Journals	
	IIT, Chennai	Crystal Growth	Published papers in	

			reputed Journals	
	VIT, Vellore	Crystal Growth	Published papers in reputed Journals	
	Veltech, Chennai	Crystal Growth	Published papers in reputed Journals	
	Presidency College, Chennai	Crystal Growth	Published papers in reputed Journals	
	Sri Venkateswara College of Engg & Tech., Chennai	Crystal Growth	Published papers in reputed Journals	
	Panimalar Engg College, Chennai	Crystal Growth	Published papers in reputed Journals	
	Kalasalingam University, Virudhunagar	Crystal Growth	Published papers in reputed Journals	
Dr.S.Sudhahar				
Dr.R. Sivakumar	Nagoya Institute of Technology, Japan	Thin films	Published papers in reputed Journals	
	Industrial Technology Research Institute, Taiwan	Thin films	Published papers in reputed Journals	
	Salesian Polytechnic College, Japan	Thin films	Published papers in reputed Journals	
	University of Madras, Chennai	Thin films	Published papers in reputed Journals	
	Anna Univesity, Chennai	Thin films	Published papers in reputed Journals	
	ACCET, Karaikudi	Thin films	Published papers in reputed Journals	

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20:

Date(s)	Activity	Place	No. of
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			Participants
20.09.2019	VPP	Kanadukathan	44
31.01.2020 to 06.02.2020	NSS	Verasekarapuram	32

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20:

Category	Number of Students	Sponsor institution
Special Scholarships obtained (Special Cash Award of Rs.5000/- each)	3	ADWD (Aadhi Dravidar Welfare Department)
VOC/PMT Scholarship awarded	9	Alagappa University
Education Loans from Bank		
UGC/CSIR JRF/NET or SLET	5	UGC-BSR
	5	DST-SERB
	1	DST-PURSE
UGC Rajiv Gandhi Fellowship		
UGC Indra Gandhi single girl child		
Others (if any)	13	RUSA

17. Placement of students / Scholars during 2019-20:

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
Ph.D	R. Dhanalakshmi	750000
Ph.D	K. Selvakumar	15000
Ph.D	M. Ramachandran	75000
Ph.D	S. Ponmudi	100000

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space		Laptops	7	Wi-Fi unit	4
Air Conditioners	29	LCD projector	4		
Generator/Inverter	8	Xerox machine	2		
Fax Machines	---	Printers	18		
Computers	35	Phones (including intercom)	20	Others (specify)	

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items(Rs.)
Modular Table	227220
Gas Sensor Setup (Table Topup)	120225
Electro Spinning Unit	430500
High Temperature Furnace (2 Nos.)	322245
Ball Miller	390600
Hydraulic Pellatizer	463837
Gas Sensor Setup with Accessories	228654
Programmable Spin Coating System	209941
Airconditioner (4 Nos.)	228000
Coin Cell Disk Cutter	284445
Coating Machine with Touch Screen	295407

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items(Rs.)
Thermal Analyzer	3313941
Solar Simulator	2169380
Chemical Vapour Deposition	533400

20. Special Features of the Department / Centre / College

xxxiv.	Well equipped characterization facilities
xxxv.	Online classes are implemented from this academic year.
xxxvi.	Consultancies provided to other institutions
xxxvii.	MoU Signed with two international institute
xxxviii.	Hands on training workshops on analytical instrumentation
xxxix.	A high tech seminar hall with audio/video facilities was also created.
xl.	Assisting / Maintaining environment friendly campus and developing habits on energy saving
xli.	Periodic purchase of text and reference books.

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Formed various clubs and started activities effectively.
ii.	CSIR coaching classes are being conducted with various experts from other Institutions
iii	Encouraging the faculties to visit International Institutions / Laboratories to acquire knowledge in the thrust areas of research.
iv	Conducting Mentor-Mentee Meeting @ twice per month.
v	Conducting Meeting with Industrial Personals on the title of "Job Opportunities for Physics students in Industry".
vi	Permitting students from other departments / Institutions to carry out their research work and promoting inter-departments / institutions collaborations.

13. Department of Industrial Chemistry

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr.G.Paruthimal Kalaignan	Senior Professor & Head	M.Sc., Ph.D	27.01.1989
Dr. H. Gurumallesh Prabu	Professor & Registrar	M.Sc.,M.Phil., Ph.D.	23.12.1987
Dr.S.Thambidurai	Professor	M.Sc., Ph.D.	12.09.2001
Dr. M. Sundrarajan	Asst. Professor	M.Sc., Ph.D.	23.01.2008
Dr. T. Stalin	Asst. Professor	M.Sc., M.Phil. Ph.D.	20.02.2009
Dr. G. Gopu	Asst. Professor	M.Sc., Ph.D.,	03.03.2010
Dr..S. Viswanathan	Asst. Professor	M.Sc., B.Ed., Ph.D	25.05.2012
Dr. S. Umadevi	UGC –FRP Asst.Professor	M.Sc. PhD	02.04.2014
Dr. P. Muthumareswaran	DST INSPIRE Faculty	Ph. D	08.10.2014
Dr. N. Sengottuvelan	Assistant Professor (DDE)	M. Sc., B. Ed., Ph. D	18.02.2009

Total Number: 10 No. of faculty with Ph.D: 10 No of faculty with IT Skills: 10

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
S. Senthil	Assistant	B.C.S

Total Number: 1 No. of Non-teaching Staff with IT skills: 1

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	---	4	3	2	1	---	---	---	10
Addition during 2019-20		NIL							

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	---	1	---	---	---	---	---	---	1
Addition during 2019-20 - NIL									

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc Chemistry	ii	M.Phil. Chemistry
iii	Ph.D. Chemistry	iv	---

3. a. Students Strength (I YEAR)

Program (PG/M.Phil/Cert/Dip./ PG Dip	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Chemistry		--	5	5	2	1	15	7	5	40

M. Phil Chemistry		--	--	--	1	--	2	1	1	5
Total		--	5	5	3	1	17	8	6	45

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc. Chemistry	--	3	1	1	--	18	11	6	40
Total	--	3	1	1	--	18	11	6	40

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil. Chemistry	--	--	--	1	--	2	1	1	5

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	--	2	--	--	--	3	--	--	5
Ph.D. (Part-Time)	--	--	--	--	--	--	--	--	--

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
M.Sc. Chemistry	--	--	--	--	Puducherry	1	-	1	1

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	--	5	5	2	12	1	15	7	5	28
PG-II Year	--	3	1	1	5	--	18	11	6	35
M. Phil. Chemistry	--	--	--	1	1	--	2	1	1	4
Ph.D.	--	--	--	--	--	--	2	--	--	2
Total	--	8	6	4	18	1	37	19	12	69

Grand Total: 87

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	--	5	5	2	12	1	15	7	5	28
PG-II Year	--	3	1	1	5	--	18	11	6	35
M.Phil.	--	--	--	1	1	--	2	1	1	4
Ph.D.	--	--	--	--	--	--	2	--	--	2
Total	--	8	6	4	18	1	37	19	12	69

Grand Total: 87

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	1732	--	1732	2,00,000

Indian Journals	5	--	5
International Journals	---	--	---

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	Intl.	Books/ Materials	Ntl.	Intl.
Dr. G . .Paruthimal Kalaignan	1	-	-	-	6	2	5	10
Dr.S.Thambidurai	-	-	-	-	1	1	-	1
Dr. M. Sundrarajan	1	1	-	-	7	-	4	5
Dr. T. Stalin	-	1	-	-	6	-	2	1
Dr. G. Gopu	-	-	-	-	12	-	1	1
Dr. S. Viswanathan	-	1	-	-	2	-	1	1
Dr. S. Umadevi	2	1	-	-	5	1	1	2
Dr. P. Muthu Mareeswaran	3	-	-	1	4	1	6	-
Dr. N. Sengottuvelan	-	1	-	-	6	2	2	7

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc) during 2019-20.

Name of the Scheme	PURSE –II PROGRAMME			
Title				
Funding Agency	DEPARTMENT OF SCIENCE AND TECHNOLOGY			
Duration	5 YEARS (2016-2021)			
Commencement on	2016			
Total Fund Allotted (Rs. Lakhs)	Rs.3.20 lakhs			
Fund Released so far (Rs. Lakhs)	Rs.2.95 lakhs			
Thrust Area(s)	Materials chemistry , Electrochemical Sensors, Lithium ion Batteries, Technical Textile, Solar cell			
Total No. of Project Personnel	No of Faculty Involved	09	No. of Project Fellows	2
Progress / Status	Ongoing			
Remarks	--			

Name of the Scheme	RUSA 2.0
Title	Advanced Nanomaterials for Sustainable Energy and Sensor Applications.
Funding Agency	Ministry of Human Resource Development, New Delhi
Duration	17 th September 2018 to 30 th June 2020
Commencement on	17 th September 2020

Total Fund Allotted (Rs. Lakhs)	Rs.62.40 lakhs		
Fund Released so far (Rs. Lakhs)	Rs.62.40 lakhs		
Thrust Area(s)	Materials chemistry , Electrochemical Sensors, Lithium ion Batteries, Technical Textile, Solar cell		
Total No. of Project Personnel	No of Faculty Involved	09	No. of Project Fellows 7
Progress / Status	Ongoing		
Remarks	--		

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. G. Paruthimal Kalaignan	2018	2021	DST Nano-mission, New Delhi	Development of Graphene/Polyaniline Modified $\text{Li}_2\text{M}_{1-x}\text{SiO}_4$ (M= Mn, Co, Ni) (X= Cu, V, Sn, Sm, Ce) Nanocomposite Cathode Materials for High Voltage Rechargeable Lithium-ion Batteries.	39.21
Dr. T. Stalin	2019	2022	DST-SERB	Preparation and characterization of electrically conducting organic polymer photoactive film for organic photovoltaic cells: by electrochemical doping and electrospinning approaches.	33.83
Dr. S. Viswanathan	2018	2021	DBT	Molecularly Imprinted Polymer Sensor arrays for Mycotoxin detection in plants	36.40
Dr. S. Viswanathan	2019	2022	DST	Molecularly imprinted Polymer based biosensor for tuberculosis detection	17.75
Dr. S. Viswanathan	2019	2022	ICMR	Smart lab on a chip biosensor integrated with protein imprinted polymer electrodes for rapid detection of HIV Infection.	23.50
Dr. N. Sengottuvelan	2017	2021	DST-Women Scientist Scheme A – mentor	Luminescent cyclometalated iridium(III) complexes and its application in protein/DNA interaction, cytotoxicity and cellular uptake properties	25.35
Dr. N. Sengottuvelan	2019	2021	ICMR	Ferrocene conjugated macrocyclic transition metal complexes as photosensitizer for photodynamic therapy	33.97

Total Number: 7

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	13 th March 2020	AcT NExT - 2019	150	4	---	N
2	04.03.2020 to	National workshop on Advanced Nano	200	10	----	N

	06.03.2020	materials for sustainable energy and sensor applications) AN-SEA 2020				
3	25-26, July 2019	International Seminar on Frontier Areas in Chemical Technologies – 2019 (FACTs-2019)	250	8	199	1

Total Number: 3

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment Sponsor /	Name of the Guest Speakers	Topic	No. of Participants
1	13.03.2020 11.00am - 12.00pm	AcT NEXt - 2019	Dr. A. Vadivel Murugan Professor and Centre Head Centre for Nano Sciences & Technology Pondicherry University Puducherry – 605 014	Challenges and Opportunities of Electrical Energy Storage Technologies	120
2	13.03.2020 12.00 pm - 1.00 pm	AcT NEXt - 2019	Dr. C. Gopinathan Professor and Head Department of Solar Energy Madurai Kamaraj University Madurai – 625 021	Solar Energy Utilization	120
3	13.03.2020 2.00 pm – 3.00 pm	AcT NEXt - 2019	Dr. R. Sindhuja Senior Scientist CSIR – CECRI Karaikudi – 630 003	Simulating Lithium ion battery behavior for different applications	120
4	13.03.2020 3.00 pm – 4.00 pm	AcT NEXt - 2019	Dr. S. Vengatesan Senior Scientist CSIR – CECRI Karaikudi – 630 003	Topic:Hydrogen fuel cells - a transition from conventional to renewable energy sources	120
5	20.05.2020	Covid-19 online webinar series	Dr. Pandiyan Ganesan , Post Doctoral Research Associate, Kyushu University, Japan.	Principals of electrochemical energy conversion and storage devices	82
6	27.05.2020	Covid-19 online webinar series	Dr. Nallal Muthuchamy , Post Doctoral Research Associate, ShenZhen University, China.	Nanoscale materials with different dimensions for advanced electrocatalyst	84

Total Number: 6

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	Ntl. / International
Dr. G. Paruthimal Kalaignan	International Conference on Frontier Areas in Chemical Technologies – 2019 (FACTs-2019)	Alagappa University Karaikudi, Tamilnadu.	25-26 July 2019	High capacity and enhanced cycling stability of K ⁺ -doped LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ Cathode Materials for Lithium-ion batteries.	I
Dr. G. Paruthimal Kalaignan	International Conference on Frontier Areas in Chemical Technologies – 2019 (FACTs-2019)	Alagappa University Karaikudi, Tamilnadu.	25-26 July 2019	Synthesis of nitrogen-doped RGO/BaWO ₄ nanocomposites with highly enhanced photocatalytic activity.	I
Dr. G. Paruthimal Kalaignan	International Conference on Frontier Areas in Chemical Technologies – 2019 (FACTs-2019)	Alagappa University Karaikudi, Tamilnadu.	25-26 July 2019	Synthesis and characterization of Mn doped CuCo ₂ S ₄ for supercapacitor applications.	I
Dr. G. Paruthimal Kalaignan	International Conference on Frontier Areas in Chemical Technologies – 2019 (FACTs-2019)	Alagappa University Karaikudi, Tamilnadu.	25-26 July 2019	Ceramic membranes for photo-catalytic dye degradation.	I
Dr. G. Paruthimal Kalaignan	International Conference on Frontier Areas in Chemical Technologies – 2019 (FACTs-2019)	Alagappa University Karaikudi, Tamilnadu.	25-26 July 2019	Physical and electrochemical characterization of pulse current electrodeposited Ni TiN nanocomposite coatings	I
Dr. G. Paruthimal Kalaignan	International Conference on Frontier Areas in Chemical Technologies – 2019 (FACTs-2019)	Alagappa University Karaikudi, Tamilnadu.	25-26 July 2019	Electrochemical performances of surface modified CePO ₄ -coated LiMn ₂ O ₄ cathode materials for rechargeable lithium ion batteries.	I
Dr. G. Paruthimal Kalaignan	International Conference on Solid State Dielectric Materials -2019 (SSDM - 2019)	Nagoya University, Nagoya, Japan,	2–5 September 2019.	Fabrication of MnS@Ni(OH) ₂ Composite for improved supercapacitor applications.	I
Dr. G. Paruthimal Kalaignan	5 th International Conference on Chemical and Environmental Research (ICCER-2020)	Jamal Mohamed College, Trichy.	8 th Jan. 2020	Investigation on the improved Electrochemical Performances of LiNiMnCoO ₂ by surface modification with	I
Dr. G. Paruthimal Kalaignan	International Conference on Chemical Science and Technology (ICCST - 2020),	Srinivasan College of Arts and Science, Perambalur	3-4, Feb.2020.	Cu-MOF for Electrochemical Sensing of Tryptophan.	I

Dr. G. Paruthimal Kalaignan	International Conference on Green Energy for Environmental Sustainability	NIT Calicut,	March 13th - 14th, 2020.	Self-tuning tetragonal zirconia-based bimetallic nano (hydr)-oxides as superior and recyclable adsorbents in arsenic-tolerant environment.	I
Dr. G. Paruthimal Kalaignan	National Workshop on Advanced Nanomaterials for Sustainable Energy and Sensor Applications (AN-SEA 2020)	Alagappa University, Karaikudi, Tamilnadu.	4-6 March 2020,	Mxenes: a new family of 2d materials for energy & environmental applications	N
Dr. G. Paruthimal Kalaignan	National Workshop on Advanced Nanomaterials for Sustainable Energy and Sensor Applications (AN-SEA 2020)	Alagappa University, Karaikudi, Tamilnadu.	4-6 March 2020,	Lithium ion batteries: Electrochemistry,	N
Dr. G. Paruthimal Kalaignan	National Workshop on Advanced Nanomaterials for Sustainable Energy and Sensor Applications (AN-SEA 2020)	Alagappa University, Karaikudi, Tamilnadu.	4-6 March 2020,	Electrochemical performance of RuO ₂ -coated LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ cathode material with enhanced cycling stability for rechargeable lithium-ion batteries,	N
Dr. G. Paruthimal Kalaignan	National Workshop on Advanced Nanomaterials for Sustainable Energy and Sensor Applications (AN-SEA 2020)	Alagappa University, Karaikudi, Tamilnadu.	4-6 March 2020,	Enhanced electrochemical performance of Sn-doped Li ₂ MnSiO ₄ cathode materials for Li-ion batteries	N
Dr. G. Paruthimal Kalaignan	National Workshop on Advanced Nanomaterials for Sustainable Energy and Sensor Applications (AN-SEA 2020)	Alagappa University, Karaikudi, Tamilnadu.	4-6 March 2020,	Synthesis Structure and Capacitive Properties of Nickel Manganite NiMn ₂ O ₄ ,	N
Dr.S.Thambidurai	International conference on Frontier Areas in Chemical Technologies (FACTs-2019)	Alagappa University, Karaikudi	July 25-26, 2019	Thermal stability and antibacterial properties of chitosan-magnesium oxide nanocomposite	I
Dr.S.Thambidurai	International conference on Frontier Areas in Chemical Technologies (FACTs-2019)	Alagappa University, Karaikudi	July 25-26, 2019	Preparation and characterization of PVP-ZnO-CuO composite for enhanced antibacterial activity	I
Dr.S.Thambidurai	International conference on Frontier Areas in Chemical Technologies (FACTs-2019)	Alagappa University, Karaikudi	July 25-26, 2019	Synthesis and characterization of PVP-ZnO composite for enhanced antibacterial activity	I
Dr. M. Sundrarajan	National Workshop On advanced Nanomaterials For Sustainable Energy and Sensor Applications (An-Sea 2020)	Research Scholars of School of Physical and Chemical Sciences Alagappa University,	4 th -6 th March 2020	Green synthesis of MgO and Ag/MgO NPs using plant extract of <i>Justicia adhatoda</i> and its antibacterial activity	N

Dr. M. Sundrarajan	National Workshop On advanced Nanomaterials For Sustainable Energy And Sensor Applications (An-Sea 2020)	Research Scholars of School of Physical and Chemical Sciences Alagappa University, Karaikudi	4 th -6 th March 2020	Ionic liquid mediated synthesis and characterization of Copper oxide NPs by <i>anisomeles malabarica</i> Leaves extract with enhanced antifungal activity	N
Dr. M. Sundrarajan	National Workshop On advanced Nanomaterials For Sustainable Energy And Sensor Applications (An-Sea 2020)	Research Scholars of School of Physical and Chemical Sciences Alagappa University, Karaikudi	4 th -6 th March 2020	Electrospun Techniques Based Fabrication of Cellulose Acetate/Silk Fibroin Nanofiber For Biomedical Application	N
Dr. M. Sundrarajan	National Workshop On advanced Nanomaterials For Sustainable Energy And Sensor Applications (An-Sea 2020)	Research Scholars of School of Physical and Chemical Sciences Alagappa University, Karaikudi	4 th -6 th March 2020	Physico-chemical and biological studies on mannich base [<i>N</i> -((<i>dimethylamino</i>)(3,4 <i>dimethoxyphenyl</i>) <i>methyl</i>) <i>benzohydrazide</i>]	N
Dr. M. Sundrarajan	5 th International Conference Chemical and Environmental Research (ICCER-2020)	Jamal Mohamed College, Trichy	8 th January 2020.	Biomedical applications of Ionic liquid mediated Neodymium oxide nanoparticles By <i>Couroupita guianensis abul</i> Leaves extract,	I
Dr. M. Sundrarajan	International conference on recent advances in applied chemical science – ICRAACS-2020	Sree Sevugan Annamalai Arts and Science College, Devakkottai , TamilNadu	6 th September 2019	Ionic Liquid Mediated synthesis of magnesium oxide nanoparticles by <i>Leucas aspera</i> leaves extract with enhanced antimicrobial activity	I
Dr. M. Sundrarajan	International Conference on "Frontier Areas in Chemical Technologies – 2019 (FACTS-2019)	Department of Industrial Chemistry, Alagappa University, Karaikudi	25 th -26 th July 2019	Facile green synthesis of CeO ₂ Ag doped CeO ₂ nanoparticles using ionic liquid medium and their antibacterial activity	I
Dr. M. Sundrarajan	International Conference on "Frontier Areas in Chemical Technologies – 2019 (FACTS-2019)	Department of Industrial Chemistry,	25 th -26 th July 2019	Biomedical applications of ionic liquid mediated samarium oxide nanoparticles by	I

		Alagappa University, Karaikudi		<i>andrographispaniculata</i> leaves extract	
Dr. M. Sundrarajan	International Conference on "Frontier Areas in Chemical Technologies – 2019 (FACTs-2019)	Department of Industrial Chemistry, Alagappa University, Karaikudi	25 th -26 th July 2019	Ionic liquid – Assisted synthesis of nitrogen, boron, and fluorine tri-doped multi-walled carbon nanotube	I
Dr. T. Stalin	Short term course	Bharathidasan University, Tricity.	29.01.2020 – 04.02.2020	--	-
Dr. G. Gopu	National Workshop on Advanced Nanomaterials for Sustainable Energy and Sensor Applications (AN-SEA 2020)	School of Physical and Chemical Sciences, Alagappa University, Karaikudi.	March 4 – 6, 2020	In situ assembly of sulfur-doped carbon quantum dots decorated iron(III) oxide nanocomposite for highly sensitive detection of antipsychotic drug olanzapine	N
Dr. S. Viswanathan	Refresher Course	SWAYAM ARPIT and Sri Guru TeghBahadur Khalsa College, University of Delhi	Sep 2019 to Dec 2019	Chemistry For Higher Education	National
Dr.S. Umadevi	One day workshop on Electrochemistry for Materials and Bio-Interface	CSIR-CECRI, Karaikudi	29 th July 2019	Attended	N
Dr.S. Umadevi	International conference on Frontier Areas in Chemical Technologies	Department of Industrial Chemistry, Alagappa University	July 25-26, 2019.	Preparation of palladium nanoparticles in a microemulsion and their application for the heck reaction	I
Dr.S. Umadevi	International Conference on Liquid Crystals, Liquid Crystalline Polymers and Nano systems (ICLCPN - 2019) on	School of Energy Materials (SEM) Mahatma Gandhi University, Kottayam Kerala, India	13 – 15 th Dec 2019	Photo – Switchable Liquid Crystalline Elastomers from Non - mesogenic Components	I
Dr. P. Muthu Mareeswaran	<u>Expert webinar series</u>	Raja lakshmi	10.07.2020	Conductive polymers and photovoltaic devices	N

		Engineering College, Chennai			
Dr. P. Muthu Mareeswaran	<u>International webinar on optical spectroscopy</u>	Holy Cross College, Nagercoil	19.06.2020	Absorption and emission spectroscopy: Principles and applications	N
Dr. P. Muthu Mareeswaran	<u>Webinar on nanoscale materials with different dimensions for advanced applications</u>	MannarThirumalaiNaicker College, Madurai	03.06.2020	Nanomaterials for carbon dioxide capture and reduction	N
Dr. P. Muthu Mareeswaran	<u>Live Chemistry Webinar</u>	Pioneer Kumaraswamy College, Nagercoil	11.05.2020	Photochemistry and its applications	N
Dr. P. Muthu Mareeswaran	<u>Recent Trends in Biological Nanochemistry (RTBNC-2020)</u>	Dr. Zakir Husain College, Ilayangudi.	20.01.2020	Self-assembled nanostructures for biological applications	N
Dr. P. Muthu Mareeswaran	<u>7th Workshop on Determination of the structure of molecules through spectral data and antimicrobial activity</u>	KSR College of arts and science for women, Tiruchengode	18.12.2019	Basics and applications of absorption and emission spectroscopy	N
Dr. N. Sengottuvelan	6 th International Conference in Biosensing Technologies – 2019 at Malaysia	Elsevier and Institute of Bio-Sensing Technology, UWE Bristol, UK.	16 th -19 th June - 2019	Macrocyclic “tet a” derived Colorimetric sensor for the detection of mercury and hydrogen sulphate and its bio-imaging in living cells	I
Dr. N. Sengottuvelan	6 th International Conference in Biosensing Technologies – 2019 at Malaysia	Elsevier and Institute of Bio-Sensing Technology, UWE Bristol, UK.	16 th -19 th June - 2019	Diphenyl-imidazol derived selective turn-on fluorescent sensor for Pb ²⁺ & Co ²⁺ ions and its bio-imaging in living cells”.	I
Dr. N. Sengottuvelan	6 th International Conference in Biosensing Technologies – 2019 at Malaysia	Elsevier and Institute of Bio-Sensing Technology, UWE Bristol, UK.	16 th -19 th June - 2019	Carbon dots-silver nano hybrid using white-rot mushroom: Metal sensing, bioimaging, antimicrobial, and DNA binding studies	I
Dr. N. Sengottuvelan	International conference on Frontier Areas in Chemical Technologies -2019 (FACTs-2019)	Department of Industrial Chemistry, Alagappa University, Karaikudi	25 th -26 th July - 2019	Electrochemical and spectroscopic approach for iodide ion sensing by ferrocene based Schiff base receptor (Fc-AEP)	I
Dr. N. Sengottuvelan	International conference on Frontier Areas in Chemical Technologies - 2019(FACTs-2019)	Department of Industrial Chemistry, Alagappa	25 th -26 th July - 2019	Maleonitrile Schiff base derivative as chemosensor for the detection of Cr ²⁺ and	I

		University, Karaikudi		HSO ₄ ⁻ ions and its Bio-imaging application in living cells	
Dr. Sengottuvelan N.	International conference on Frontier Areas in Chemical Technologies - 2019(FACTs-2019)	Department of Industrial Chemistry, Alagappa University, Karaikudi	25 th -26 th July - 2019	Hydrazine based Schiff base ferrocene derivative as optical and electrochemical sensor for the detection of copper(II) and iodide ions	I
Dr. Sengottuvelan N.	International conference on "Recent Trends in Bioplastics (RTB- 2019)"	Department of Microbiology, Alagappa University, Karaikudi.	9 & 10 th Decemb er 2019	Novel maleonitrile Schiff base derivative as a chemosensor for detection of heavy metal ions in industrial wastewater and bio-imaging application	I
Dr. Sengottuvelan N.	"Design and Development of Technology Enabled Courseware"	Department of Education, Directorate of Distance Education, Alagappa University,	05 & 06 th Decemb er 2019	-	N
Dr. Sengottuvelan N.	"E-Content Development" held during	Department of Education, Directorate of Distance Education, Alagappa University,	18.11.2019 to 22.11.2019	-	N

Total Number: 48

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / Intl.
Dr. G. Paruthimal Kalaiganan	Fabrication of core-shell like hybrids of CuCo ₂ S ₄ @NiCo(OH) ₂ nanosheets for supercapacitor applications	Composites Part B: Engineering 173 (2019) 106864		I
Dr. G. Paruthimal Kalaiganan	Electrodeposited Ni(OH) ₂ modified CuS Core-shell like hybrids as binder free electrodes for high-performance supercapacitors	New Journal of Chemistry, 43 (20-19), 12785-12794	3.070	I
Dr. G. Paruthimal Kalaiganan	Ethylene glycol-induced metal alkoxides <i>via</i> phase-transfer catalyst as multi-talented adsorbents for boosted adsorption performance of toxic anions/oxyanions from waters.	Separation and Purification Technology 235 (2020) 116247	5.107	I
Dr. G. Paruthimal Kalaiganan	Preparation of p-type CuSCN thin film by electrochemical method for inverted planar perovskite solar cells.	AIP International Conference Proceedings, 2161, 020042 (2019) Doi:10.1063/1.5127633	-	I

Dr. G. Paruthimal Kalaiganan	Synthesis of Nitrogen-doped RGO/BaWO ₄ Nanocomposites with Highly Enhanced Photocatalytic Activity.	International Journal of Photochemistry and Photobiology,3 (2019) 10-14	-	I
Dr. G. Paruthimal Kalaiganan	Self-tuning tetragonal zirconia-based bimetallic nano(hydr)oxides as superior and recyclable adsorbents in arsenic-tolerant environment: Template-free in and ex situ synthetic methods, stability, and mechanisms.	Chemical Engineering Journal, 390 (2020) 124573	10.632	I
Dr. S. Thambidurai	Cytotoxic, antioxidant and antibacterial activities of copper oxide incorporated chitosan-neem seed biocomposites,	International Journal of Biological Macro molecules, Vol. 139, PP. 867–878, 2019	5.162	I
Dr. M. Sundrarajan	Ionic liquid mediated morphologically improved lanthanum oxide nanoparticles by <i>Andrographis paniculata</i> leaves extract and its biomedical applications	Journal of Rare Earths	3.104	I
Dr. M. Sundrarajan	Ionic liquid - A greener templating agent with <i>Justicia adhatoda plant extract</i> assisted green synthesis of morphologically improved Ag-Au/ZnO nanostructure and its antibacterial and anticancer activities	Journal of Photochemistry & Photobiology, B: Biology	4.383	I
Dr. M. Sundrarajan	Ionic liquid functionalized biogenic synthesis of Ag – Au bimetal doped CeO ₂ nanoparticles from <i>Justicia adhatoda</i> for pharmaceutical applications: Antibacterial and anticancer activities	Journal of Photochemistry & Photobiology, B: Biology	4.383	I
Dr. M. Sundrarajan	Biomedical applications of ionic liquid mediated samarium oxide nanoparticles by <i>Andrographis paniculata leaves extract</i>	Materials Chemistry and Physics	3.408	I
Dr. M. Sundrarajan	Fabrication of palladium nanoparticles anchored polypyrrole functionalized reduced nanocomposite for antibiofilm associated orthopedic tissue engineering.	Applied surface Science	6.182	I
Dr. M. Sundrarajan	Effect of ionic liquid assisted Ytterbium Oxide nanoparticles by <i>Couroupita guianensis abul</i> leaves extract on MCF-7 breast cancer cell line	Journal of Environmental Chemical Engineering	4.30	I
Dr. M. Sundrarajan	Biogenic approach for the synthesis of Ag-Au doped RuO ₂	Molecular liquids	5.05	I

	NPs in BMIM – PF6 ionic liquid medium: Structural characterization and its biocidal activity against pathogenic bacteria and HeLa cancerous cells			
Dr. T. Stalin	Electrospinning preparation and spectral characterizations of the inclusion complex of ferulic acid and γ -cyclodextrin with encapsulation into polyvinyl alcohol electrospun nanofibers	Journal of Molecular Structure 1221 (2020) 128767.	2.463	I
Dr. T. Stalin	Preparation of silver nanoparticles and riboflavin embedded electrospun polymer nanofiberous scaffolds for in-vivo wound dressing application	Process Biochemistry, 88 (2020)148-158	2.883	I
Dr. T. Stalin	Cerium oxide and peppermint oil loaded polyethylene oxide/graphene oxide electrospun nanofiberous mats as antibacterial wound dressings	Materials Today Communications, 21(2019) 100664	2.678	I
Dr. T. Stalin	In-vitro dissolution and microbial inhibition studies on anticancer drug etoposide with β -cyclodextrin	Materials Science and Engineering: C, 102 (2019) 96-105	5.880	I
Dr. T. Stalin	Encapsulation of triclosan within 2-hydroxypropyl- β -cyclodextrin cavity and its application in the chemisorption of rhodamine B dye	Journal of Molecular Liquids 282 (2019) 235–243	5.065	I
Dr. T. Stalin	Poly (ethylene glycol) stabilized synthesis of Inorganic Cesium lead iodide Polycrystalline light-absorber for Perovskite Solar Cell	Materials Letters, 240, (2019) 132-135	3.204	I
Dr. G. Gopu	A simple self-assembly fabrication of tin oxide nanoplates on multiwall carbon nanotubes for selective and sensitive electrochemical determination of antipyretic drug	Colloids and Surfaces A: Physicochemical and Engineering Aspects	3.99	I
Dr. G. Gopu	Colorimetric and fluorescence sensing of Zn^{2+} ion and its bio-imaging applications based on macrocyclic “tet a” derivative	Journal of Photochemistry and Photobiology B: Biology	4.383	I
Dr. G. Gopu	Nitrogen-doped carbon quantum dots embedded Co_3O_4 with multiwall carbon nanotubes: An efficient probe for the simultaneous determination of anticancer and antibiotic drugs	Biosensors and Bioelectronics	10.257	I
Dr. G. Gopu	Macrocyclic “tet a” derived colorimetric sensor for the detection of mercury cations and hydrogen sulphate anions and its bio-imaging in living cells	Journal of Photochemistry and Photobiology B: Biology	4.383	I

Dr. G. Gopu	N-doped carbon quantum dots @ hexagonal porous copper oxide decorated multiwall carbon nanotubes: A hybrid composite material for an efficient ultra-sensitive determination of caffeic acid	Composites Part B: Engineering	7.635	I
Dr. G. Gopu	Sonochemical driven simple preparation of nitrogen-doped carbon quantum dots/SnO ₂ nanocomposite: A novel electrocatalyst for sensitive voltammetric determination of riboflavin	Sensors and Actuators B: Chemical	7.1	I
Dr. G. Gopu	Impact of different transition metal ions in the structural, mechanical, optical, chemico-physical and biological properties of nanohydroxyapatite	Applied Surface Science	6.182	I
Dr. G. Gopu	Theoretical study on cyclophane amide molecular receptors and its complexation behavior with TCNQ	Journal of Photochemistry and Photobiology B: Biology	4.383	I
Dr. G. Gopu	An enhancement of ferromagnetic, structural, morphological, and optical properties of Mn-doped Cu ₂ O thin films by an electrodeposition technique	Journal of Materials Science: Materials in Electronics	2.195	I
Dr. G. Gopu	Effect of substitution on the excited state photophysical and spectral properties of boron difluoride curcumin complex dye and their derivatives: A time dependent-DFT study	Journal of Photochemistry and Photobiology B: Biology	4.383	I
Dr. G. Gopu	Electrochemical sensor for the detection of lead ions of B-site-doped bismuth titanate perovskite thin film	Applied Physics A	1.784	I
Dr.S. Umadevi	Photo-responsive azo-functionalized flexible polymer substrate for liquid crystal alignment	Liquid Crystals,	3.08	I
Dr.S. Umadevi	In situ preparation of palladium nanoparticles in ionic liquid crystal microemulsion and their application in Heck reaction.	Journal of Molecular Liquids,	5.06	I
Dr. P. Muthu Mareeswaran	Inclusion induced water solubility and binding investigation of acenaphthene-1,2-dione with p-sulfonatocalix[4]arene	J. Incl. Phen. Macro. Chem 2020 (Accepted)	1.560	I
Dr. P. Muthu Mareeswaran	Experimental and theoretical investigations on the host-guest interaction of diphenylamine with p-sulfonatocalix[4]arene	Ind. J. Chem. A, 2020, 59A, 929	0.489	N
Dr. P. Muthu	Nitrogen rich polyaminal porous	Euro. Poly. J., 2020,	3.621	I

Mareeswaran	network for CO ₂ uptake studies and preparation of carbonized materials	124, 109477		
Dr. P. Muthu Mareeswaran	Imine-linked polymer/silica composites for CO ₂ sequestration	<i>Mater. Chem. Phys.</i> , 2020 , 239, 121995	3.408	I
Dr. P. Muthu Mareeswaran	Fabrication of hard bound mesoporous silica stabilized Cu(I) electrocatalyst via Alcotermal strategy	<i>J. Electroanal. Chem.</i> 2019, 113792	3.218	I
Dr. Sengottuvelan N.	Macrocyclic “tet a” derived colorimetric sensor for the detection of mercury cations and hydrogen sulphate anions and its bio-imaging in living cells.	J. Photochemistry and Photobiology B: Biology	4.06	I
Dr. Sengottuvelan N.	Colorimetric and fluorescence sensing of Zn ²⁺ ion and its bio-imaging applications based on macrocyclic “tet a” derivative.	J. Photochemistry and Photobiology B: Biology	4.06	I
Dr. Sengottuvelan N.	Synthesis and characterization of dimeric Schiff base Co ^{II} , Ni ^{II} , Cu ^{II} complexes for their catalytic application of aerobic oxidation of alcohol and interaction with biomolecules	Inorganica Chimica Acta	2.433	I
Dr. Sengottuvelan N.	Mushroom-Derived Carbon Dots for Toxic Metal Ion Detection and as Antibacterial and Anticancer Agents	ACS Applied Nano Materials	-	I
Dr. Sengottuvelan N.	Sonochemical driven simple preparation of nitrogen-doped carbon quantum dots/SnO ₂ nanocomposite: ...determination of riboflavin,	Sensors and Actuators B: Chemical,	6.361	I
Dr. Sengottuvelan N.	N-doped carbon quantum dots @ hexagonal porous copper oxide decorated multiwall carbon nanotubes: A hybrid composite material for an efficientultra-sensitive ...caffeic acid.	Composites Part B.	6.864	I

Total Number: 44

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Mohamed Jaffer Sadiq, G.Paruthimal Kalaignan	Synthesis of Advanced Nanocomposites for Environmental Applications.	Science PG, Newyork, NY 10020, USA. ISBN No: 2640-4281 (Print); 2640-429X (Online).
<u>S. Muthu Prabhu,*</u> G.Paruthimal Kalaignan, C.M. Park.	Pollution Control Technologies: Current Status and Future Prospect.	International Society for Energy and Environmental Sustainability (ISEES) with Springer as publisher, ISBN

		No: 2522-8366
Dr. S.Thambidurai	Antibacterial Activity of Seaweed-ZnO Composites	Published 2020 by John Wiley & Sons Ltd.
M. SenthilKumaran, P. Muthu Mareeswaran	Porous organic polymers for carbon dioxide capture applications, Chapter 4 in book titled "Nanomaterials for CO2 Capture, Storage, Conversion and Utilization"	Elsevier, 2020 (accepted)/9780128228944
Dr.G.Paruthimal Kalaignan, Dr.T.Stalin and Dr. G. Gopu	Frontier Areas in Chemical Technologies FACTs-2019.	Alagappa University/978-81-937479-3-3

Total Number: 5

11. (c) Monographs/Course Materials written by the Faculty Member during 2019-20.

Name of the Faculty	Title of the monograph/Course Material	Name of the Publisher
Dr. N. Sengottuvelan	Advanced Inorganic Chemistry – course material of DDE M. Sc., Chemistry	Alagappa University
Dr. N. Sengottuvelan	Inorganic Chemistry Practical Manual- course material of DDE M. Sc., Chemistry	Alagappa University

Total Number: 2

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20.09.2019 to 22.09.2019	Village Extension Programme	Thalakavur	40
14.02.2019 to 16.02.2019	Industrial Visit	Mysore	45

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	--	--
VOC/PMT Scholarship awarded	2	VOC/PMC
Education Loans from Bank	--	--
UGC/CSIR JRF/NET or SLET	--	--
UGC Rajiv Gandhi Fellowship	--	--
UGC Indra Gandhi single girl child	--	--
Others (if any)		

17. Placement of students / Scholars during 2019-20

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
Ph.D.	5	25,000

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	18136 Sq. ft	Laptops	6	Wi-Fi unit	4
Air Conditioners	10	LCD projector	2	Podium	1
Generator/Inverter	2	Xerox machine	2	Interactive board	2
Fax Machines	-	Printers	13	Others (specify)	--
Computers	45	Phones (including intercom)	3		

19. Laboratory facilities**(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs**

Description of the Items	Value of Items
Fluorescence Spectrophotometer / ELICO / SPECTROFLURO METER SL 174	4.46
Rotavapor – R-100 system	2.52
Octofive – Interactive boards-	1.50
Battery Fabrication Equipment	3.10
Wall Table and Island Table	4.89
Tubular Furnace, Fridge Electrode	1.45
Zenelec online UPS & Battery	4.50
Photo Reactor	1.10
Photo copier, Projector slide presenter	1.32
Island Table	3.88
Modular Table	1.98
Ultrapure deionised water system	4.80
Rotary evaporator	2.90

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
LINKAM Hot stage	5.45
A A S (Perkin Elmer)	30.00
Autolab No.BSTR 10A	14.00
CHI Electrochemical analyser	14.00
CHI Electrochemical workstation	20.00
Electrospinning machine	8.00
Jasco Spectrofluorimeter model FP 8200	7.50
Elix 5 Millipore Water purification system	6.50
Jasco UV-VIS and FT IR spectrophotometers	25.00
Gel Doc XR+ Documentation System 220 V/Bio-Rad Laboratories	5.00
Autolab No.BSTR 10A	18.00
TG/DTA & UPS	22.00
Glove Box	6.40
8 Channel Battery Analyser	11.00
Electrochemical Analyser	15.00
Electrochemical Work Station	17.40
FTIR &UV Visible	22.00

20. Special Features of the Department / Centre / College

xlii.	The department has established good research collaboration with researchers in India and
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	abroad.
xliii.	The h-index of the department has increased to 56 from 52.
xliv.	Comprehensive Chemistry paper in IV semester M.Sc Chemistry is similar to CSIR- NET Pattern, which enable to score more marks.

21. Best / Innovative Practices followed in the Department / Centre / College

i.	CSIR - NET coaching is arranged regularly on Saturdays. The experts and research scholars who have already secured good marks in the CSIR examinations and working in the nearby institutes are coaching the students and scholars of the department.
ii	Students carry out individual research project and they publish papers and present papers in the Seminar/ conferences.
iii	Research culture is increased among the students by involving them in the Research Colloquium organized every Friday.
iv	Group discussions are arranged regularly.
v	ICT enabled teaching through presentations and videos such as YOU tube are provided to students.

14. DEPARTMENT OF NANOSCIENCE & TECHNOLOGY

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. K. Gurunathan	Professor & head	M.Sc., Ph.D	30.06.2008
Dr. P. Shakkthivel	Professor	M.Sc., Ph.D	30.05.2008
Dr. C. Balalakshmi	Asst. Professor	M.Sc., M.Phil, Ph.D	30.01.2016
Dr. G. Ramalingam	Asst. Professor	M.Sc., M.Phil., B.Ed., Ph.D	11.02.2016
Dr. N. Suganthy	Asst. Professor	M.Sc., M.Phil., Ph.D	16.02.2016

Total Number: 05 No. of faculty with Ph.D: 05 No of faculty with IT Skills:

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
Mrs. J. Dhivya	Lab. Assistant	B.A, PGDCA, MCA

Total Number: 01 No. of Non-teaching Staff with IT skills:

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing			2	1		1	1		5
Addition during 2019-20 - Nil									

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing							1		1
Addition during 2019-20 - Nil									

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc (Nanoscience & Technology)	ii	M.Sc Chemistry with Specialization in Nanoscience. & Technology
iii	M.Phil (Nanoscience & Technology)	iv	Ph.D (Nanoscience & Technology)

Total No. of Programs: 04

3. a. Students Strength (I YEAR)

Program (PG/M.Phil/Cert/Dip./ PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc (Nanoscience & Technology)	11	--	1	--	--	--	5	3	2	11
M.Sc Chemistry Specialization in (Nano science & Technology)	15	--	3	2	3	--	5	2	--	15
Total										26

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc (Nanoscience & Technology)	2	--	1	--	1	16	2	1	23

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr. K. Gurunathan	-	1	-	-	13	-	2	7
Dr. P. Shakkthivel	2	1	1	-	5	-	-	7
Dr. C. Balalakshmi	--	1	1		1	-	20	10
Dr. G. Ramalingam	-	-	1	-	-	-	-	1
Dr. N. Suganthy	-	1	1	-	6	-	1	7

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc) during 2019-20. Nil

7. Individual Projects

7. (a) Completed during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. K. Gurunathan	2017	2019	AURF	Design and Development of Nanosensors for Medical Diagnosis	3.00
Dr. P. Shakkthivel	2016	2019	DST-SERB	Novel Conducting c layer embedded LMO hollow nano-spheres assembly for hybridelectric vehicle applications	23.26
Dr.G.Ramalingam	2017	2020	DST-SERB	Fabrication of One Dimensional (1-D) Nanomaterial with Quantum Dots (QDs) for Solar Cell Application	25.75
Dr.G.Ramalingam	2017	2020	AURF	Quantum Dots for Bio-Imaging Applications	1.00
Dr. N. Suganthy	2017	2019	UGC start up	Neuroprotective efficacy of nanoencapsulated multipotent phytodrug 7-methyl gallate and methoxycoumarin	10.00

Total Number: 05

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr.G.Ramalingam	2019	2021	MHRD-SPARC	2D-QDs (Two Dimensional QDs): Synthesis and Applications in Electroluminescent diodes, Sensors and Solar Cells	60.00

Total Number: 01

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	May 20-22/ 2020	Three days International virtual seminar on the role of Nanotechnology against COVID-19	320	07	-	International

Total Number: 01

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/Seminar/Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr.K.Gurunathan	International Conference on Frontier areas in Chemical Technologies -2019	Industrial Chemistry, Alagappa University, Karaikudi	25 -26 July ,2019	Chairing session	International
Dr.K.Gurunathan	25 th World congress on Advanced Materials, Singapore	Conference series	Oct.21&22, 2019	Investigation of NH ₃ Gas Sensing Behavior of Intercalated PPy – GO – WO ₃ Hybrid Nanocomposite at Room Temperature	International
Dr.K.Gurunathan	25 th World congress on Advanced Materials, Singapore	Conference series	Oct.21&22, 2019	Surface bound nanostructures of ternary r-GO/Mn ₃ O ₄ /V ₂ O ₅ system for room temperature selectivity of hydrogen gas	International
Dr.K.Gurunathan	International conference on Nanomaterials Driven Advances in Chemical and Bio sensors	Dept. Of Bioelectronics and biosesnors	Nov. 27 – 29, 2019	CuO-ZnO p-n Junction Enhanced Oxygen Sensing Property of PolypyrroleNanocomposite at Room Temperature	International
Dr.K.Gurunathan	Anveshan-2020	All India University Association for Innovation and BDU, Trichi	21 & 22 Jan. 2020	Fabrication of Room Temperature LPG Sensor device using PANi – CNT – V ₂ O ₅ Hybrid Nanocomposite as Sensing Material	National
Dr.K.Gurunathan	AN SEA-2020	Research scholars of Chemical and Physical sciences of Alagappa University	4-6 March, 2020	Co-Convener	International

Dr.K.Gurunathan	AN SEA-2020	Research scholars of Chemical and Physical sciences of Alagappa University	4-6 March, 2020	Inspection of Room Temperature Hydrogen Sensing Property of Nanostructured Polypyrrole/Polyaniline Heterojunctions Synthesized by One-pot Interfacial Polymerization	National
Dr.K.Gurunathan	AN SEA-2020	Research scholars of Chemical and Physical sciences of Alagappa University	4-6 March, 2020	Influence of Eco-friendly green synthesis of Au/ZnO nanoparticles using <i>MyristicaFragrans</i> and their application of antimicrobial, anticancer activity and Molecular Docking Studies	International
Dr. K. Gurunathan	Webinar on Three days International virtual seminar on the role of Nanotechnology against COVID -19	Department of Nanoscience & Technology	20-22 May 2020	Convener	International
Dr. P. Shakkthivel	Webinar on Three days International virtual seminar on the role of Nanotechnology against COVID -19	Department of Nanoscience & Technology	20-22 May 2020	Attended	International
Dr.P.Shakkthivel	International Conference on Frontier Areas in Chemical Technologies - 2019.	Department of Industrial Chemistry, Alagappa University, Karaikudi.	25-26 July 2019.	A Novel electrochemical dopamine sensor based on Hierarchical MoS ₂ wrapped CuMn ₂ O ₄ nanocomposite modified gold electrode	International
Dr.P.Shakkthivel	International Conference on Frontier Areas in Chemical Technologies -	Department of Industrial Chemistry, Alagappa University,	25-26 July 2019.	Hydrothermal synthesis of NiMn ₂ S ₄ Nanosheets arrays for High-	International

	2019.	Karaikudi.		performance of supercapacitor applications	
Dr.P.Shakkthivel	Third International Conference on Advanced Materials 2019.	Centre for Nanoscience and Nanotechnology, Mahatma Gandhi Universtiy, Kottayam, Kerala.	9-11 August 2019.	Hollow and Porous microspheres of CoMn_2O_4 as next generation electrode materials for high-performance lithium-ion batteries	Inter national
Dr.P.Shakkthivel	International Conference on Advanced Manterials for Sustainable Energy and Sensors – INCAMSES-2019.	Department of Physics, Alagappa University, Karaikudi.	16-17 September 2019.	Synthesis and Electrochemical Performance of $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ Microcubes and N-Doped Carbon Spheres for Aqueous Hybrid supercapacitor Applications	Inter national
Dr.P.Shakkthivel	International Conference on Advanced Manterials for Sustainable Energy and Sensors – INCAMSES-2019.	Department of Physics, Alagappa University, Karaikudi.	16-17 September 2019.	Highly Sensitive Electrochemical Detection of Dopamine Based on Strontium Molybdate Modified Glassy Carbon Electrode.	Inter national
Dr.P.Shakkthivel	International Conference on Advanced Manterials for Sustainable Energy and Sensors – INCAMSES-2019.	Department of Physics, Alagappa University, Karaikudi.	16-17 September 2019.	Sonochemical Synthesis and Characterization of Strontium Cerate Nanoparticles Modified Glassy Carbon Electrode for the Selective and Sensitive Electrochemical Detection of Dopamine	Inter national
Dr.C.Balalakshmi	International workshop on “Biomedical Applications in Translational Research (BATR-	Organized by Department of Biomedical Science & Health Care Centre,	6 th & 7 th June 2019.	Attended	Inter national

	2019	Alagappa University, Karaikudi and Semmelweis University, Budapest, Hungary			
Dr.C.Balalakshmi	Three – Day workshop on “Research Methods and LaTeX ”	Organized by Alagappa University, Karaikudi	24 th to 26 th June, 2019	Attended	National
Dr.C.Balalakshmi	International Conference on Cognitive, Psychological and Behavioural Perspectives in Education	Organized by College of Education, Alagappa University	11 th and 12 th July 2019	Attended	Inter national
Dr.C.Balalakshmi	International Conference on Frontier Areas in Chemical Technologies-2019	School of Chemical Sciences, Department of Industrial Chemistry, Alagappa University	25 th and 26 th July 2019	Development of Functional Antibacterial Papers using CHITOSAN/AGAR-SILVER Nanoparticles (Cht:Agar-AgNPs)	Inter national
Dr.C.Balalakshmi	Three Days International Workshop on “ E-Content Development for MOOCs among the Faculty Members”	Organized by the Digital Education Cell, Alagappa University	10 th 12 th and 13 th of September 2019	Attended	Inter national
Dr.C.Balalakshmi	Two Days Workshop on Basics of Forecasting and Demand Planing	Organized by the Department of Logistics Management , Alagappa University	10 th and 14 th September, 2019	Attended	National
Dr.C.Balalakshmi	International Conference on Yoga for Harmony of Body and Mind (ICYHBM-2019)	Organized by the College of Physical Education, Alagappa University	24 th and 25 th October 2019	Attended	Inter national
Dr.C.Balalakshmi	International Conference on Innovative and Emerging Trends in Botany-2019	Department of Botany, Alagappa University	6 th and 7 th November 2019	Development of Functional antifungal papers using chitosan /agar-silver nanoparticles	Inter national

Dr.C.Balalakshmi	International Conference on Recent Trends in Bioplastics (RTB-2019)	Organized by the Department of Microbiology, Alagappa University	9 th and 10 th December, 2019	Attended	International
Dr.C.Balalakshmi	INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS AND THEIR APPLICATIONS (ICAMA)-2019"	DEPARTMENT OF CHEMISTRY, V.O. CHIDAMBARAM COLLEGE, TUTICORIN, TAMILNADU,	13 TH December 2019	Green synthesis of palladium nanoparticles using <i>Micrococcamercurialis</i> leaf extract and evaluate the antimicrobial properties	International
Dr.C.Balalakshmi	National Conference on Nano/Bio-Technology (NanoBioTech-2019)"	Special Centre for Nano Sciences (SCNS) Jawaharlal Nehru University, (JNU) New Delhi-110067	19th December to 21st December 2019	Green synthesis of gold nanoparticles and their positive impact on plant cell and aquatic crustacean <i>Artemianauplii</i>	National
Dr.C.Balalakshmi	International Conference on Recent Trends in Bioplastics (RTB-2019)	Organized by the Department of Microbiology, Alagappa University	9 th and 10 th December, 2019	Attended	International
Dr.C.Balalakshmi	one-day workshop about Indian Research Information Network System (IRINS) awareness	Organized by The Alagappa University in collaboration with Information and Library Network Centre, IUC of UGC, Gandhinagar, Gujarat ,Alagappa University, Karaikudi,	8th February 2020	Attended	National
Dr.C.Balalakshmi	one week online Faculty Development Program on "OUTCOME BASED	Government College of Engineering, Karad, Vidyannagar Karad Dist.-	11-15 May 2020	Attended	National

	EDUCATION: A STEP TOWARDS EXCELLENCE”	Satara Maharashtra, Margdarshan Scheme of AICTE, New Delhi. AICTE-MARGDARSHAN SCHEME			
Dr.C.Balalakshmi	Exploring E-Learning Resources	Sadathullah Appa College, Rahmath Nagar, Tirunelveli	12/05/2020	Attended	National
Dr.C.Balalakshmi	Coaching and learning aptitude e-quiz	Modal constituent college of Arts and Science, Tittagudi, cuddalore	13/05/2020	Attended	National
Dr.C.Balalakshmi	National webinar on Research in Physics and Covid-19	Department of Physics, Idhaya college for women, Sarugani	14 th may 20	Attended	National
Dr.C.Balalakshmi	Five days online Faculty development program on (FDP) “Digital resources and learning” DLIS, Alagappa university, AALISAU and SALIS	Alagappa university, Karaikudi	17 th may 20 to 21 st may 20	Attended	National
Dr.C.Balalakshmi	Employability Enhancement Webinar Series titled Patent Professional - as a Career	BHARATHIDASAN UNIVERSITY, TIRUCHIRAPALLI	May 18, 2020	Attended	National
Dr.C.Balalakshmi	Webinar on :“Webinar series – Taxonomy: Morphology of Angiosperms, Recent trends in Bioinformatics and importance of Sacred groves in Biodiversity	Department of Botany, Alagappa University	19/05/20 to 21/05/20	Attended	National

	Conservation”				
Dr.C.Balalakshmi	Webinar on Three-days international virtual seminar on the Role of Nanotechnology against Covid-19	Department of Nanoscience and Technology, Alagappa University	20/05/20 to 22/05/20	Attended	International
Dr.C.Balalakshmi	National Level Webinar on Gravitational Waves and Nanoscience	Department of Physics, VIDHYAA GIRI COLLEGE OF ARTS AND SCIENCE, Puduvayal	27 May2020.	Attended	National
Dr.C.Balalakshmi	International webinar on “Business development skills in Life science”	Department of Animal health and management, Alagappa university	27/05/2020	Attended	National
Dr.C.Balalakshmi	Webinar on OUTCOME BASED EDUCATION	SWARNAND HRA COLLEGE OF ENGINEERING & TECHNOLOGY, Seethar ampuram, W.G.DT., Narsapur- Andhra Pradesh	28/05/2020	Attended	National
Dr.C.Balalakshmi	“REASONING SKILLS”	Organized by the Library and Readers’ Club , Thiruvalluvar University Model Constituent College of Arts and Science, Tittagudi	29/05/2020	Attended	National
Dr.C.Balalakshmi	online webinar on Pivotal Role of Banking in India's COVID Fight	EGS Pillay Arts and science college, Nagappattinam	29th May 2020	Attended	National
Dr.C.Balalakshmi	General awareness on	Acharya Arts and science	29 to 31 may 2020	Attended	National

	Covid-19	college, Achariyapura m, Vllianur, Puducherry			
Dr.C.Balalakshmi	One day webinar on “Online teaching tools”	Pg Department of computer science, Bishop heber college, Tiruchirappalli	30/05/2020	Attended	National
Dr.C.Balalakshmi	Awareness on open educational Resources	Arumugam pillai Seethai ammal college Tiruppattur,Si vagangai	30/05/20 to 1/06/20	Attended	National
Dr.C.Balalakshmi	Five day Faculty development programme on “ insights into Marine biodiversity and Taxonomy”	Sathyabama institute Science and Technology, Chennai	10 th to 14 th August 2020	Attended	National
Dr. G.Ramalingam	Webinar on Three days International virtual seminar on the role of Nanotechnology against COVID -19	Department of Nanoscience & Technology	20-22 May 2020	Attended	Inter national
Dr. N. Suganthy	Refresher Course in life sciences	UGC HRDC, Bharathidasa n University, Tiruchirappalli	16/07/2019 to 29/07/2019	-	National
Dr. N. Suganthy	International Conference On Recend Advances In Applied Chemical Sciences (Icraacs-2019)	Department of Chemistry, Sree Sevugan Annamalai College, Devakottai, Tamilnadu, India	6 th September 2019.	Synthesis of ZnO Nanoparticles using Termite and Ant Mount Extract: In vitro Evaluation of Antioxidant and Photovoltaic Efficacy	Inter national
Dr. N. Suganthy	Three – day International Workshop on E- content Development for MOOCs among the Faculty Members	Digital Education Cell, Alagappa University, Karaikudi, Tamilnadu, India	10 -13 th September 2019.	Participated	Inter national
Dr. N. Suganthy	International Conference On Advanced Materials For Sustainable Energy And	Department of Physics, Alagappa University, Karaikudi,	16 th and 17 th September 2019	Participated	Inter national

	Sensors (ICAMSES-2019),	Tamilnadu, India			
Dr. N. Suganthy	Engineering, Medicine, Science & Technology International Conference 2019 (ESTIC'19),	MAHSA University, Malaysia	14 th and 15 th October 2019	One pot fabrication of nanoscale hybrid – Phytodrug encapsulated metal organic framework as smart drug delivery system for lung carcinoma	Inter national
Dr. N. Suganthy	6 th International Workshop on : “Food and Brain Health”	Food Science & Nutrition Department and Ageing & Dementia Research Group, Sultan Qaboos University, Oman	11 th and 12 th November 2019	Nanoformulated Nutraceuticals For Healthy Brain: Beneficial Effect Of Flavonoids Against Alzheimer's Disease	Inter national
Dr. N. Suganthy	International conference on Nanomaterials driven advances in chemical and biosensors (NanoSe-2019)	Department of Bioelectronics and Biosensors, Alagappa University, Karaikudi	27-29 th November 2019	Anticancer potential of rGO-ZnO nanocomposites synthesized by hydrothermal method	Inter national
Dr. N. Suganthy	Webinar on Three days International virtual seminar on the role of Nanotechnology against COVID -19	Department of Nanoscience & Technology	20-22 May 2020	Attended	Inter national

Total Number: 55

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr.K.Gurunathan	Size controlled V₂O₅-WO₃Nano-Islands Coated Polypyrrole Matrix: A Unique Nanocomposite For Effective Room Temperature Ammonia Detection	Sensors and Actuators A: Physical, 313, 112211, 2020 M.Amarnath , A.Heiner, K.Gurunathan	2.9	Inter national
Dr.K.Gurunathan	Graphitic carbon nitride bedecked with CuO/ZnO hetero-interface microflower towards high photocatalytic performance	S.Sivasakthi, K.Gurunathan Renewable Energy, 159, 786-800, 2020	6.2	Inter national
Dr. K. Gurunathan	Exploring The Threuptic Potential For Phyto-Mdiated Silver Nanoparticles Formed Via	Suresh Sagadevan, Selvaraj Vennila, Lakshmpathy	2.1	Inter national

	Colotropis Procera (Ait) R.Br. Root Extract	Muthukrishnan, K. Gurunathan , Won Chun Oh, Suriati Paiman, Faruq Mohammad, Hamad A. Al-Lohedan, Ainil Hawa Jasni, Is Fatimah, Kuppan Sivaranjan & Prasanna Kumar Obulapuram Journal of Experimental Nanoscience, 1, 15, 2020		
Dr. K. Gurunathan	Machanistic anticarginogenic efficacy of Phyto-fabricated Gold nanoparticles on human lung adenocarcinoma cells	Sagadevan Suresh, Lakshmipathy Muthukrishnan, Selvaraj Vennila, Gurunathan K. , Anita Lett J., Suriati Paiman, Mohammad Faruq, Hamad A. Al-Lohedan, Omid Akbarzadeh & Won Chun Oh Journal of Experimental Nanoscience, 1, 15, 2020	2.1	Inter national
Dr. K. Gurunathan	Inspection of Room Temperature Hydrogen Sensing Property of Nanostructured Polypyrrole/Polyaniline Hetero-junctions Synthesized by One-pot Interfacial Polymerization	A. Heiner, K. Gurunathan Materials chemistry and Physics, 250, 123153, 2020	3.4	Inter national
Dr. K. Gurunathan	Investigation of NH ₃ Gas Sensing Behavior of Intercalated PPy – GO – WO ₃ Hybrid Nanocomposite at Room Temperature	A. Heiner, K. Gurunathan Materials science and engineering B, 257, 114558, 2020	4.7	Inter national
Dr. K. Gurunathan	Composites Of π - Stacking Materials With Low Dimensional Metal Oxide Nanoblends For Photocatalytic Hydrogen Production	R.Kalyani, K. Gurunathan Journal of Nanostructures in chemistry, 10, 169–177, 2020	4	Inter national
Dr. K. Gurunathan	Size controllable, pH triggered reduction of bovine serum albumin and itsadsorption behavior with SnO ₂ /SnS ₂ quantum dots for biosensingapplication	Nathiya Dhananjayan, Wilson Jeyaraj , Gurunathan K Talanta, 210, 120671, 2020	5.3	Inter national

Dr. K. Gurunathan	Surface bound nanostructures of ternary r-GO / Mn ₃ O ₄ /V ₂ O ₅ system for room temperature selectivity of hydrogen gas	M.Amarnath , A.Heiner, K.Gurunathan Ceramics International, , 46, 6, 7336-7345, 2020	3.9	Inter national
Dr. K. Gurunathan	Interactive Studies on Synthetic Nanopolymer decorated with Edible Biopolymer and its Selective Electrochemical determination of L-Tyrosine	Nathiya Dhananjayan, Wilson Jeyaraj , Gurunathan Karuppasamy Nature scientific Reports, 9, 13287, 2019	3.9	Inter national
Dr. K. Gurunathan	Biodiesel production from Ulva linza, Ulva tubulosa, Ulva fasciata, Ulva rigida,Ulva reticulate by using Mn ₂ ZnO ₄ heterogenous nanocatalysts	G.Sivaprakash, K.Mohanrasu, V.Ananthi, M.Jothibasu, Dinh Du, Nguyend B. Ravindran, Soon Woong Chang, PhuongNguyen-Tri, Ngoc HanTraniM. Sudhakar, K.Gurunathan, S.Arokiyaraj, A.Arun FUEL, 255,115744, 2019	5.5	Inter national
Dr. K. Gurunathan	CuO–ZnO p–n junction enhanced oxygen sensing propertyof polypyrrole nanocomposite at room temperature, Journal of Materials Science: Materials in Electronics	A. Heiner, K. Gurunathan J. materials science, materials in electronics, 30, 9989–9998, 2019	2.2	Inter national
Dr. K. Gurunathan	Fabrication of Room Temperature LPG Gas sensor based on Pani – CNT – V ₂ O ₅ hybrid nanocomposite	A. Heiner, K. Gurunathan Applied Nanoscience, 9, 1719-1729, 2019	2.8	Inter national
Dr.P. Shakkthivel	One-dimensional NiFe ₂ O ₄ nanorods modified with sulfur-rich spherical carbon nanoparticles for simultaneous voltammetric determination of ascorbic acid, dopamine and uric acid	Microchimica Acta, 2019 (IF-5.47)) https://doi.org/10.1007/s00604-019-3496-4	6.2	I
Dr.P. Shakkthivel	Glassy carbon electrodes modified with reduced graphene oxide-MoS ₂ -poly (3, 4-ethylene dioxythiophene) nanocomposites for the non-enzymatic detection of nitrite in water and milk	<i>Analytica Chimica Acta</i> , 2019 DOI: 10.1016/j.aca.2019.09.043	5.9	Inter national
Dr.P. Shakkthivel	Nano-architected porous Mn ₂ O ₃ spheres/cubes vs rGO for asymmetric supercapacitors applications in novel solid-state electrolyte	Journal of Power Source (IF-7.47), Nov. 2019 https://doi.org/10.1016/j.jpowsour.2019.227181	8.24	Inter national

Dr.P. Shakkthivel	Temperature Controlled Synthesis of Li- and Mn-Rich $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ Hollow Nano/sub-microspheres Electrodes for High Performance Lithium Ion Battery	Accepted - ACS Omega (IF- 2.584) DOI 10.1021/acsomega.9b02766.	2.87	International
Dr.P. Shakkthivel	Ultra-stable $\text{Mn}_{1-x}\text{Ni}_x\text{CO}_3$ nano/sub-microspheres positive electrodes for high-performance solid-state asymmetric supercapacitors	Scientific Reports 10(2020)(1):887 1DOI: 10.1038/s41598-020-64867-8	4.5	International
Dr.C.Balalakshmi	Superficial Preparation of Biocompatible Carbon Quantum Dots for Antimicrobial Applications	Materials Today proceedings (In Press)	-	International
Dr. G. Ramalingam	Investigation of uni-directional nanorods composed microspheres and branched TiO_2 nanorods towards solar cell applicationB.Arjunkumar G.Ramalingam M.RameshJoiceSophiaPonrajK.Venkateswara Rao,	Materials Letters, Volume 273 , (2020),127900.	3.019	International
Dr. G. Ramalingam	Electrical and chemical stability of CuS nanofluids for conductivity of water soluble based nanocomposites, G.Ramalingam R.Vignesh.RagupathiC. MariaMagdalaneK.KaviyarasuJ.Kennedy,	Surfaces and Interfaces, Volume 19 , (2020) 100475	3.724	International
Dr. G. Ramalingam	Investigations on solid-state parameters of third-order nonlinear optical $\text{Ni}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ nanoparticles synthesized by microwave-assisted combustion method, P Surendran, A Lakshmanan, S Sakthy Priya, K Balakrishnan, P Rameshkumar, Tejaswi Ashok Hegde, G Vinitha, G Ramalingam , A Antony Raj	Applied Physics A volume 126, Article number: 257 (2020) ,Volume 126 , Issue4, Pages1-11	1.784	International
Dr. G. Ramalingam	Optical and nonlinear optical properties of $\text{Zn}_{0.96}\text{Cu}_{0.04}\text{Al}_2\text{O}_4$ nanocomposites prepared by combustion method, P.SurendranA.LakshmananS.Sakthy Priya K.BalakrishnanTejaswi AshokHegdeG.Vinitha G.Ramalingam ,P.RameshkumarK.Kaviyarasu	Materials today: Proceedings (2020) https://doi.org/10.1016/j.matpr.2020.02.722	0.97	International
Dr. G. Ramalingam	Superficial preparation of biocompatible carbon quantum dots for antimicrobial applications A.LakshmananP.SurendranN.ManivannanM.SathishC.BalalakshmiN.Su	Materials today: Proceedings (2020) https://doi.org/10.1016/j.matpr.2020.02.694	0.97	International

	ganthyP.RameshkumarK.Kaviyarasu G.Ramalingam			
Dr. G. Ramalingam	Unstable cell efficiency in CdS quantum dot sensitized solar cell using low cost lugols iodine aqueous electrolyte R.VigneshB.ArjunkumarA.MuthuvinyagamT.ElangovanK.KaviyarasuG.T heophil Anand G.Ramalingam	Materials today: Proceedings (2020) https://doi.org/10.1016/j.matpr.2020.02.674	0.97	Inter national
Dr. G. Ramalingam	Investigations on structural, electrical, and third order nonlinear optical properties of benzimidazolium maleate single crystal S.Sakthy PriyaK.BalakrishnanP.SurendranA.L akshmananS.Pushpalatha G.Ramalingam P.RameshkumarK.Kaviyarasu TejaswiAshok HegdeG.Vinitha	Materials today: Proceedings (2020) https://doi.org/10.1016/j.matpr.2020.02.680	0.97	Inter national
Dr. G. Ramalingam	Efficacy of dye degradation of contaminated soil microbial isolates M.BirunthaJ.ArchanaK.KavithaK.Va nimuthuB. KarunaiSelviJ. ArockiaJohn PaulR.M.VithyavathyK.Kaviyarasu G. Ramalingam	Materials today: Proceedings (2020) https://doi.org/10.1016/j.matpr.2020.02.692	0.97	Inter national
Dr. G. Ramalingam	Synthesis and characterization of CeO ₂ nanoparticles by hydrothermal method C.MariaMagdalaneK.KaviyarasuB.Si ddhardha G.Ramalingam	Materials today: Proceedings (2020) https://doi.org/10.1016/j.matpr.2020.02.283	0.97	Inter national
Dr. G. Ramalingam	Facile preparation of high fluorescent carbon quantum dots from orange waste peels for nonlinear optical applications, Pandiyan Surendran Arumugam Lakshmanan GandhirajanVinitha Go pal Ramalingam Pitchan Rameshkumar	Luminescence- The Journal Of Biological And Chemical Luminescence, (2019) https://doi.org/10.1002/bio.3713 , Volume 35, issue2, Pages 196-202.	1.855	Inter national
Dr. G. Ramalingam	Photocatalytic oxygen evolution reaction for energy conversion and storage of functional nanomaterials, K.KaviyarasuC. MariaMagdalaneA.RajaN.MatiniseN. MayedwaN.MongwaketsiDouglasLet sholathebeG.T.MolanaifAbdullahAl-DhabiMariadhasValanArasu G.Ramalingam S.B.MohamedAbdulgalimB.Is aevK.KanimozhiA.K.H.BashirJ.Kenn edyM.Maaza,	<i>Handbook of Functionalized Nanomaterials for Industrial Applications, Micro and Nano Technologies</i> (2020) https://doi.org/10.1016/B978-0-12-816787-8.00003-X , Pages 55-81	-	Inter national
Dr. G. Ramalingam	Synthesis of titanium oxide nanoparticles using <i>Aloe barbadensis mill</i> and evaluation of	<i>Journal of Photochemistry and Photobiology B: Biology,</i>	4.170	Inter national

	its antibiofilm potential against <i>Pseudomonas aeruginosa</i> PAO1 J.RajkumariC. MariaMagdalaneB.SiddhardhaJ.Madhavan G.Ramalingam NaifAbdullahAl-DhabiMariadhasValanArasuA.K.M.GhilanV.DuraipandiayanK.Kaviyarasu	<u>Volume 201,</u> (2019) Pages 111667.		
Dr. G. Ramalingam	Investigation on antibacterial and photocatalytic degradation of Rhodamine-B dye under visible light irradiation by titanium molybdate nanoparticles prepared via microwave method, A.MobeenC.MariaMagdalaneS.K.JasmineShahinaD.LakshmiR.Sundaram G.Ramalingam A.RajaJ.MadhavanDouglasLetsholathebeA.K.H.BashirM.MaazaK.Kaviyarasu	<u>Surfaces and Interfaces,</u> <u>Volume 17,</u> (2019) Pages 100381	3.724	International
Dr. G. Ramalingam	Green synthesis of ZnO nanoparticle using <i>Prunus dulcis</i> (Almond Gum) for antimicrobial and supercapacitor applications, G.TheophilAnandD.Renuka ^a R.RameshL.AnandaraajS.John Sundaram G.Ramalingam C. MariaMagdalaneA.K.H.BashirM.MaazaK.Kaviyarasu,	<u>Surfaces and Interfaces,</u> <u>Volume 17,</u> (2019) Pages 100376	3.724	International
Dr.G. Ramalingam	Structural and morphological properties of Co ₃ O ₄ nanostructures: Investigation of low temperature oxidation for photocatalytic application for waste water treatment C. MariaMagdalaneK.KaviyarasuM.V.ArularasuK.Kanimozhi G.Ramalingam ,	<u>Surfaces and Interfaces,</u> <u>Volume 17,</u> (2019) Pages 100369	3.724	International
Dr.G. Ramalingam	Self-cleaning mechanism of synthesized SnO ₂ /TiO ₂ nanostructure for photocatalytic activity application for waste water treatment, C. MariaMagdalaneK.KanimozhiM.V.Arularasu G.Ramalingam K.Kaviyarasu,	<u>Surfaces and Interfaces,</u> <u>Volume 17,</u> (2019), Pages 100346	3.724	International
Dr. G. Ramalingam	Effect of fuel content on nonlinear optical and antibacterial activities of Zn/Cu/Al ₂ O ₄ nanoparticles prepared by microwave-assisted combustion method A.LakshmananP.SurendranS.Sakth	<u>Journal of King Saud University - Science,</u> <u>Volume 32, Issue 2,</u> (2020) Pages 1382-1389	3.819	International

	yPriyaK.BalakrishnanTejaswi Ashok HegdeG.Vinitha G.Ramalingam B.RavindranS.W.ChangM.S.ElshikhA.H.MahmoudD.A.AIFarrajP.Rameshku mar,			
Dr.G. Ramalingam	Up-Scalable Synthesis of Size-Controlled White-Green Emitting Behavior of Core/Shell (CdSe/ZnS) Quantum Dots for LED Applications Ramalingam, G Ragupathi, C Kaviyarasu, K Letsholathebe, D Mohamed, S. B Magdalane, C. Maria Mola, G. T Isaev, Abdulgalim B Maaza, M	<i>Journal of Nanoscience and Nanotechnology</i> , Volume 19, (2019)Pages 4026-4032	1.354	Inter national
Dr.G. Ramalingam	Preparation, Characterization and Structure Prediction of In ₂ SnO ₃ and Spectroscopic (FT-IR, FT-Raman, NMR and UV-Visible) Study Using Computational Approach Perumalsamy, R Kaviyarasu, K Nivetha, S Ayeshamariam, A Punithavelan, N Letsholathebe, Douglas Ramalingam, G Jayachandran, M,	<i>Journal of Nanoscience and Nanotechnology</i> , Volume 19, (2019) Pages 3511-3518	1.354	Inter national
Dr.G. Ramalingam	Quantum Confinement Effect of 2D Nanomaterials, Nadarajah Manivannan and KaviyarasuKasinathan Gopal Ramalingam, PoopathyKathirgamanathan, Ganesan Ravi, ThangavelElangovan, Bojarajan Arjun kumar,,	<i>intech open, Book chapter, Quantum Dots</i> (2019) Pages 1-11.	--N/A-	
Dr.G. Ramalingam	simultaneous growth of rutile TiO ₂ nanorod on FTO plate by onestep hydrothermal process for CdS sensitized solar cell applications, Vignesh Ravi Arjun Kumar BojarajanVetrivelanVaithiyathanR agupathiChinnaduraiKaviyarasuKasi nathan Ramalingam Gopal,	<i>International Journal of Chemistry and Materials Research</i> DOI: 10.18488/journal.64.(2019) Volume7 Pages 1-9	-N/A-	
Dr.G. Ramalingam	Mechanical and Thermal Properties of Fiber Reinforced Styrene-Ethylene-Butylene-Styrene (SEBS) Composite Doped with CuO, MgO and ZnO Nanoparticles S. RAVICHANDRAN1, S. MURUGESAN1, and G. RAMALINGAM,	<i>Asian Journal Of Chemistry</i> https://doi.org/10.14233/ajchem.(2019). Volume 31 Pages 714-718	0.31	
Dr.G. Ramalingam	Investigation of uni-directional	<i>Materials Letters,</i>		

	nanorods composed microspheres and branched TiO ₂ nanorods towards solar cell application B.ArjunkerG.RamalingamM.RameshJoiceSophiaPonrajK.Venkateswara Rao,	<u>Volume 273</u> , (2020),127900.	3.019	
Dr.G. Ramalingam	Electrical and chemical stability of CuS nanofluids for conductivity of water soluble based nanocomposites, G.Ramalingam R.Vignesh.RagupathiC.MariaMagdalaneK.KaviyarasuJ.Kennedy,	<u>Surfaces and Interfaces, Volume 19</u> , (2020) 100475	3.724	
Dr.G. Ramalingam	Investigations on solid-state parameters of third-order nonlinear optical Ni 1- x Zn x Fe ₂ O ₄ nanoparticles synthesized by microwave-assisted combustion method, P Surendran, A Lakshmanan, S Sakthy Priya, K Balakrishnan, P Rameshkumar, Tejaswi Ashok Hegde, G Vinitha, G Ramalingam , A Antony Raj	<u>Applied Physics A</u> volume 126, Article number: 257 (2020) ,Volume 126 , Issue4, Pages1-11	1.784	
Dr. G. Ramalingam	Optical and nonlinear optical properties of Zn _{0.96} Cu _{0.04} Al ₂ O ₄ nanocomposites prepared by combustion method, P.SurendranA.LakshmananS.Sakthy Priya K.BalakrishnanTejaswi AshokHegdeG.Vinitha G.Ramalingam ,P.RameshkumarK.Kaviyarasu	<u>Materials today: Proceedings (2020)</u> https://doi.org/10.1016/j.matpr.2020.02.722	0.97	
Dr. N. Suganthy	Ecofriendly one pot fabrication of methyl gallate@ZIF-L nanoscale hybrid as pH responsive drug delivery system for lung cancer therapy.	Process Biochemistry	2.88	International
Dr. N. Suganthy	One-pot fabrication of multifunctional catechin@ ZIF-L nanocomposite: Assessment of antibiofilm, larvicidal and photocatalytic activities	J.Photochemistry and Photobiology B	4.067	International
Dr. N. Suganthy	In vitro assessment of antimicrobial, antibiofilm and larvicidal activities of bioactive nickel metal organic framework	Journal of drug delivery science and technology	2.606	International
Dr. N. Suganthy	Polyherbal drug loaded starch nanoparticles as promising drug delivery system: Antimicrobial, antibiofilm and neuroprotective studies	Process Biochemistry	2.88	International
Dr. N. Suganthy	The Role of Microbiome, Dietary Supplements, and Probiotics in	International Journal of Environmental Research	2.468	International

	Autism Spectrum Disorder	and Public Health		
Dr. N. Suganthy	Superficial preparation of biocompatible carbon quantum dots for 4 antimicrobial applications	Materials today: Proceedings	-	International

12. Awards /Prizes /Medals won by Staff Members during 2019-20

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
Dr.K.Gurunathan	Participated for Academic Leadership Development Programme (LEAP)	National Institute of Educational Planning and Administration (NIEPA), New Delhi- 110016	-
Dr.K.Gurunathan	Lifetime Achievement Award	VDGOOD Professional Association, Chennai	-
Dr.C.Balalakshmi	Dronacharya Award, 28, July,2019	Indian institute of Global Brotherhood, NewDelhi	-
Dr.C.Balalakshmi	Nelson Mandela international Award, 28, july,2019	greater friendship and IndiaInternational Co-operation,New Delhi 12.	-
Dr.C.Balalakshmi	Marvel Women of India, Award	Friendship forum , New Delhi, 2019	-
Dr.C.Balalakshmi	Mother Teresa foundation Award	Friendship forum , New Delhi, July 2020	-

13. Details of Patent / IPR during 2019-20

Name of the Faculty	Patent / Copyright Details	Registration Details
Dr. K. Gurunathan	Fabrication of Room Temperature NH ₃ Gas Sensor device using PPy – GO – WO ₃ Hybrid Nanocomposite as Sensing Material	Indian patent submitted for filing

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
17.09.2019 to 19.09.2019	Industrial Visit	Radio Astronomy Centre (RAC), Ooty	49
20.09.2019 to 22.09.2019	VPP - Village placement program	Alagapuri, Kottaiyur	41

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	11,000	Laptops	2	Wi-Fi unit	
Air Conditioners	6	LCD projector	5	Podium	4
Generator/Inverter	2(10KVA)	Xerox machine	1	Interactive board	5
Fax Machines	-	Printers	3		
Computers	33	Phones (including intercom)	8	Others (specify)	

19. Laboratory facilities**(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs**

Description of the Items	Value of Items
1. Centrifuge R24 with RotarHead Qty-1)	1,53,938
2. Digital Ultrasonic cleaner (Qty-1)	
3. Hot air oven (Qty -1)	

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
UV VIS Spectrophotometer (Model: IV 3092)	Rs.8,29,500
Electrochemical Workstation (Qty:1)	EURO 18,507.00 (Rs.16,00,000)

20. Special Features of the Department / Centre / College : Nil**21. Best / Innovative Practices followed in the Department / Centre / College**

i.	RAMANCLUB
ii	SWAYAM

15. DEPARTMENT OF ENERGY SCIENCE

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. S. KARUPPUCHAMY	Professor & Head	M.Sc., Ph.D.	04. 03. 2013

Total Number: **01** No. of faculty with Ph.D: **01** No of faculty with IT Skills: **01**

1. (c) Community-wise Number of Faculty members: 01

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	01	-	-	-	-	-	-	01
Addition during 2019-20 : NIL									

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc. Energy Science	ii	Ph.D. Energy Science
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3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert/Dip. /PG Dip	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Energy Science	06	-	-	-	02	-	03	01	-	06
Total	06	-	-	-	02	-	03	01	-	06

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Energy Science	-	4	0	1	-	5	3	0	13
Total	-	4	0	1	-	5	3	0	13

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	-	03	01	1	-	1	-	-	06
Ph.D. (Part-Time)	-	-	-	-	-	-	-	-	-

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	-	-	2	02	-	3	1	-	04
PG-II Year	-	4	0	1	05	-	5	3	0	08
M. Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	01	-	-	01	-	-	-	-	-
Total	-	05	-	03	08	-	08	04	00	12

Grand Total: **20**

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	-	-	2	02	-	3	1	-	04
PG-II Year	-	4	0	1	05	-	5	3	0	08
M.Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	01	-	-	01	-	-	-	-	-
Total	-	05	-	03	08	-	08	04	-	12

Grand Total: 20

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	14	67	81	1,00,000
Indian Journals	-	-	-	1,92,725
International Journals	-	-	-	Total: 2,92,725

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr. S. KARUPPU CHAMY	00	-	02	-	15	-	01	02

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc) during 2019-20.

Name of the Scheme	PURSE			
Title	Solar Cells			
Funding Agency	DST			
Duration	2 Years			
Commencement on	September - 2017			
Total Fund Allotted (Rs. Lakhs)	7.50 Lakhs			
Fund Released so far (Rs. Lakhs)	7.50 Lakhs			
Thrust Area(s)	Energy Materials			
Total No. of Project Personnel	No of Faculty Involved	1	No of Project Fellows	1
Progress / Status	Completed			
Remarks	-			

7. Individual Projects

7. (a) Completed during 2019-20:

Principal Investigator	Period	Funding Agency	Title of the Project	Amount (Rs lakhs)
	From To			
Dr. S.	2016 2019	DAE-	Development of low cost hole	32.90

KARUPPUCHAMY			BRNS	transporting materials for highly efficient perovskite solar cell	
Dr. S. KARUPPUCHAMY	2017	2019	AURF	Synthesis of Nanostructured Metal Oxides by Biological route for Solar Cell Applications	03.00
Dr. S. KARUPPUCHAMY	2017	2019	RUSA	Sustainable Energy Technologies	150.00
Dr. S. KARUPPUCHAMY	2017	2019	DST-PURSE	Fabrication of Dye-Sensitized solar cells	07.50

Total Number: 04

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. S. KARUPPUCHAMY	2018	2021	DST – SERI	Fabrication of Low Cost Inverted Planar Perovskite Solar Cell	51.46
Dr. S. KARUPPUCHAMY	2018	2019	RUSA – R&I	Fabrication of large area Dye-Sensitized solar cells	150
Dr. S. KARUPPUCHAMY	2018	2021	DBT	Molecularly imprinted polymer sensor arrays for Mycotoxin detection in plants	36.45
Dr. S. KARUPPUCHAMY	2019	2022	DST	Molecularly imprinted Polymer-based biosensor for tuberculosis detection	17.40
Dr. S. KARUPPUCHAMY	2019	2022	ICMR	Smart lab on a chip biosensor integrated with protein imprinted polymer electrodes for rapid detection of HIV infection	27.30

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	13.12.2019	One-day Seminar on Energy Conservation	110	Dr. R. Karvembu	-	National

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	06.12.2019	Alagappa University	Dr. M. Sathish	Energy Storage Materials	50
2	13.12.2019	Alagappa University	Dr. R. Karvembu	Recent trends in Energy Conservation	110
3	06.02.2020	Alagappa University	Dr. R. Arun Prasad	Solar Hydrogen Generation	50
4	30.01.2020	Swatchhta Pakhwada 2020	Dr. S. Senthil Kumar	Innovative Technology for waste recycling	35

Total Number: 04

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr. S. KARUPPUCHAMY	Special Lecture	SPD Laboratory, Japan	June 21 st 2019	Large Area Perovskite Solar Cells	International
Dr. S. KARUPPUCHAMY	International Workshop on Energy Technologies (iWET2019)	MS University, Tirunelveli, India	September 24-26, 2019	Fabrication of Large Area Dye-sensitized Solar Cells and Perovskite Solar Cells	International
Dr. S. KARUPPUCHAMY	State Level Symposium on Emerging Trends in Chemical Sciences – 2k19	GTN College, Dindigul	18 th October 2019	Current Trends in Sustainable and Renewable Energy	National
Dr. S. KARUPPUCHAMY	International Conference on Nanomaterials Driven Advances in Chemical and Biosensor (NanoSe 2019),	Alagappa University, Karaikudi, Tamil Nadu, India.	27-29 December 2019,	Preparation and optimization of CuSCN for inverted perovskite solar cells	International
Dr. S. KARUPPUCHAMY	National Seminar	St. Mary's college Thoothukudi	7 th January 2020.	Nanomaterials for Energy Applications,	National
Dr. S. KARUPPUCHAMY	Anveshan 2020 Students Research Convention (south zone),	Bharathidasan University, Tiruchirappalli, Taminadu, India.	21-22 January 2020	Low cost technologies for fabrication of large scale dye sensitized solar cells	National
Dr. S. KARUPPUCHAMY	International Conference on Chemical Science and Technology	Perambalur, Tamil Nadu, India.	FEB 2020, 3-4 February 2020,	Preparation of two Polymorphs of MnO ₂ using Natural <i>Moringa Oleifera</i> Gum Assisted Microwave Method and Evaluation of Their Pseudo-Capacitance Activity,	International

Total Number: **07**

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr. S. KARUPPU CHAMY	Dye Removal Efficiency of Perovskite Structured CaTiO ₃ Nanospheres Prepared by Microwave Assisted Method	Materials Today: Proceedings, 2019, DOI:10.1016/j.matpr.2019.05.421.	SJR – 0.299 Scopus Indexed	International
Dr. S. KARUPPU CHAMY	Development of TiO ₂ for Low Cost Solar Cells	AIP Conference Proceedings, 2019	Scopus Indexed	International
Dr. S. KARUPPU CHAMY	Preparation of p-Type CuSCN Thin Film by Electrochemical Method for Inverted Planar Perovskite Solar Cells	AIP Conference Proceedings, 2019	Scopus Indexed	International
Dr. S. KARUPPU CHAMY	Preparation of MnCo ₂ O ₄ by Microwave Assisted Method for Supercapacitor Applications	AIP Conference Proceedings, 2019	Scopus Indexed	International
Dr. S. KARUPPU CHAMY	Electrodeposition of CuI Thin Film for Perovskite Solar Cells	Material Science Forums, 2019, 979, 180-184.	0.35	International
Dr. S. KARUPPU CHAMY	Synthesis of TiO ₂ Nanoparticles Using Acinetobacter baumannii for Photocatalytic Application,	Material Science Forums, 2019, 979.	0.35	International
Dr. S. KARUPPU CHAMY	Structural and Photocatalytic Property of CaTiO ₃ Nanosphere	Material Science Forums, 2019, 979, 169.174	0.35	International
Dr. S. KARUPPU CHAMY	High Efficiency Dye-sensitized Solar Cells with Voc-Jsc Trade off Eradication by Interfacial Engineering of Photoanode electrolyte Interface,	RSC Advances, 2019, 9, 40292.	3.049	International
Dr. S. KARUPPU CHAMY	Dye removal efficiency of perovskite structured CaTiO ₃ nanospheres prepared by microwave assisted method	Materials today: Proceedings, 2019 2214-7853.	0.97	International
Dr. S. KARUPPU CHAMY	Characterization of Delignified Oil Palm Decanter Cake (OPDC) for Polymer Composite Development,	International Journal on Advanced Science Engineering Information Technology, 2019, 9(2), 384-389.	0.274	International
Dr. S. KARUPPU CHAMY	One pot and large scale synthesis of nanostructured metal sulfides: synergetic effect on supercapacitor performance,	Energy and Environment, 2020, 1-18.	1.775	International
Dr. S. KARUPPU CHAMY	Recent advances in semiconductor metal oxides with enhanced methods for	Journal of Alloys and Compounds 2020,	4.082	International

	solar photocatalytic applications,	9,154281.		
Dr. S. KARUPPU CHAMY	H ₂ O ₂ -assisted microwave synthesis of NiO/CNT nanocomposite material for supercapacitor applications,	Ionics 2020, https://doi.org/10.1007/s11581-020-03563-z	2.394	International

Total Number: 13

12. Awards /Prizes /Medals won by Staff Members during 2019-20

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
Dr. S. KARUPPUCHAMY	Invited Researcher Award	SPD Laboratory, Japan 2019/04-2019/06.	-
Dr. S. KARUPPUCHAMY	Scientific Advisor (Honorary Position) till 2024	SPD Laboratory, Japan	-

14. (b) Collaborative Assignments by Department / Faculty during 2019-20

Name of Faculty	Collaborating Institution	Thrust Area	Outcome	Intrinsic Value (Rs. Lakhs)
Dr. S. KARUPPUCHAMY	Kyushu Institute of Technology, Japan	Energy Materials	Joint Papers will be published,	-
	Universiti Teknologi Mara, Malaysia	Biomass Materials		-
	Universiti Putra, Malaysia	Biomass Materials		-
	CECRI, Karaikudi	Energy Storage Materials		-
	SPD Laboratory, Japan	Perovskite Solar cells		-

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20.09.2019-22.09.2019	To clean the public places (VEP)	Nemathanpatti	13
26.09.2019	To visit various laboratories	CECRI, Karaikudi	19
08.11. 2019	To clean the Campus (NSS)	Karaikudi	13
02.03.2020-08.03.2020	Green India Clean India (NSS camp)	Puduvayal	03
18.10.2019-20.10.2019	ALUTES	Alagappa University	1
30.01.2020	Speech Competition	Swatchhta Pakhwada 2020	12
30.01.2020	Drawing Competition	Swatchhta Pakhwada 2020	12
30.01.2020	Quiz Competition	Swatchhta Pakhwada 2020	15
27.01.2020	Sivaganga District Youth Parliament	Alagappa University, Karaikudi	01
20.8.2019	Marathon	Alagappa University, Karaikudi	01
20.8.2019	National Sports event	Alagappa University, Karaikudi	01

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	3	Tamil Nadu State Govt. – SC/ST Scholarship
VOC/PMT Scholarship awarded	02	Alagappa University
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	-	-
UGC Rajiv Gandhi Fellowship	-	-
UGC Indra Gandhi single girl child	-	-
Others (if any)	1	AURF (Alagappa University Research Fellowship)

17. Placement of students / Scholars during 2019-20

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
Postdoctoral research Fellow	2	1.00 lakh

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	-	Laptops	-	Wi-Fi unit	1
Air Conditioners	11	LCD projector	2	Podium	2
Generator/Inverter	1	Xerox machine	2	Interactive board	3
Fax Machines	-	Printers	2		-
Computers	9	Phones (including intercom)	5	Others (specify)	-

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	-
Podium –	-
10 KVA Inverter	-
HCL Core I5/2GB DDR3 RAM/500 GB HDD 18.5" LED Monitor/ optical/ Keyboard/ Mouse	1,18,046.00
ESPIN NANO Electro spinning Instrument	4,00,000.00
Infrared Interactive White Board 60 W Wireless Voice Amplifier Speaker with LCD Projector	1,43,665.00
UPS System	1,26,500.00
'L' Shape Wall table with sink	1,01,250.00
Electro Chemical work station model anal pot 2 potentiostat	3,80,000.00
Fume hood	1,50,500.00
Thin film thickness measurement unit	4,67,250
Rotary Vzcuum Evaporator	4,13,059

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
PV Analyzer Instrument	8,93,100.00
Electrochemical Workstation including EC Lab Software & Accessories	7,66,829.48
Analytical Tool Box	29,96,775.00

Solar cell fabrication system	59,99,700.00
Perovskite solar cell fabrication	18,90,000.00
Ion exchange water purification unit Tubular furnace	5,35,815
LED Solar simulator	5,35,500

20. Special Features of the Department / Centre / College

xlv.	MOU with Kinki University, Japan
xlvi.	MOU with SPD Lab, Japan

21. Best / Innovative Practices followed in the Department / Centre / College

i.	International webinar by Distinguished Scientists
ii.	Weekly Seminar
iii.	Group Meeting
iv.	Journal Club Meeting

16. DEPARTMENT OF COMPUTER APPLICATIONS

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr.V.Palanisamy	Professor& Head	M.C.A.,M.Tech.,Ph.D.	14-11-1990
Dr.K.Mahesh	Professor	M.C.A.,M.Phil.,Ph.D.	10.11.1990
Dr.P.Eswaran	Assistant Professor	M.Sc., M.Tech., Ph.D.,	31.05.2012
Dr.M.Vanitha	Assistant Professor	M.Sc.,M.Phil,Ph.D	30 .01. 2016
Dr.A.Nagarajan	Assistant Professor	MCA,M.Phil, Ph.D	30.01.2016

Total Number: 5 No. of faculty with Ph.D: 5 No of faculty with IT Skills: 5

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
Dr. S. Maheswari	System Programmer	MCA., M.Phil., Ph.D
Mr. C. Pandimuthu	System Programmer	MCA., M.Phil., M.Tech., (Ph.D)
Dr. G. Shanthi	System Programmer	MCA, M.Phil, SET, Ph.D

Total Number: 3 No. of Non-teaching Staff with IT skills: 3

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	1	1	1	1			1		5
Addition during 2019-20 -Nil									

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing				1		2			3
Addition during 2019-20 -Nil									

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	MCA	ii	M.Phil. Computer Science
iii	Ph.D. Computer Science	iv	---

3. a. Students Strength (I YEAR)

Program (PG/M.Phil/Cert/Dip./PG Dip	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
MCA	142	01	07	04	04	01	33	12	07	69
M. Phil Computer Science	09	-	01	-	-	-	06	-	01	08
Total	151	01	08	04	04	01	39	12	08	77

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
MCA	-	-	01	-	02	32	13	09	57
Total	-	-	01	-	02	32	13	09	57

Students Strength (III YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
MCA	02	04	01	02	01	34	15	08	67

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil.	-	01	-	-	-	06	-	01	08

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	-	-	-	-	-	08	-	02	10
Ph.D. (Part-Time)	-	04	01	01	02	03	02	-	13

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
MCA-I Year	01	07	04	04	16	01	33	12	07	53
MCA-II Year	-	-	01	-	01	02	32	13	09	56
MCA-III Year	02	04	01	02	09	01	33	15	09	58
M. Phil.	-	01	-	-	01	-	06	-	01	07
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	03	12	06	06	27	04	104	40	26	174

Grand Total: 174

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
MCA-I Year	01	07	04	04	16	01	33	12	07	53
MCA-II Year	-	-	01	-	01	02	32	13	09	56
MCA-III Year	02	04	01	02	09	01	33	15	09	58
M.Phil.	-	01	-	-	01	-	06	-	01	07
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	03	12	06	06	27	04	104	40	26	174

Grand Total: 174

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M. Phil	National / International	National	International	Books/ Materials	National	International
Dr.V.Palanisamy		06	--	7	9	2	1	1
Dr.K.Mahesh	-	03	-	-	7	-	2	2
Dr.P.Eswaran					10	6	4	6

Dr.M.Vanitha	-	2		-	8	-	5	4
Dr.A.Nagarajan		1			6	2	2	5

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
Dr. V.Palanisamy	2015	2020	UGC-New Delhi	Biometric Based Security in E-Voting	44.53
Dr.M.Vanitha	05.04.2017	tilldate	AURF	Security of Multi Factor Authentication in Internet Banking Sector to Improve Authentication	0.35
Dr.M.Vanitha	17.09.2018	tilldate	RUSA2.0	Secure Framework For Iris Data Using Cryptic Iris Recognition System	2.5
Dr.A.Nagarajan	05.04.2017	Till date	AURF	Literature Survey and Comparative Analysis on Skin Detection and Face Detection Algorithms for Intelligent Image Processing”	0.35
Dr.A.Nagarajan	17.09.2018	Till date	RUSA2.0	Machine Learning Approach to predict lung cancer using CT scan images	2.5

Total Number: 5

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	04.11.2019	National Conference on Recent Research Trends in Computer Science	300	4	95	National
2	27.05.2020 to 01.06.2020	Webinar Lecture Series on Recent Trends in Computer Science	150	08	-	National

Total Number: 2

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	23-04-2019	DST-PURSE 2.0	Dr.ArokiaAlphones, NTU, Singapore	Networks	85
2	23-04-2019	DST-PURSE 2.0	Dr.PL.Chitra, University of Madras	Image Processing	85

Total Number: 2

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
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Dr.V. Palanisamy	For Completing the Digital Leadership Course, Part 1: Online Learning workshop for faculty	QASPIR	April 15-17, 2020	Attended	National
Dr.K.Mahesh	International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICECCOT'19)	GSSS Institute of Engineering and technology for women, Mysuru in association with IEEE, Bangalore	December 13-14,2019	An Efficient Video Indexing and Retrieval Algorithm using Ensemble Classifier	International
	4 th International Conference on Computational Intelligence & Informatics (ICCI-2020)	Jawaharlal Nehru Technological University, Hyderabad	February 14-15, 2020	Analyzing Global Feature for Duplicate Video Retrieval using CNN & PCA	International
	National Conference on Recent Research Trends in Computer Science (NCRRTCS'19),	Alagappa University,Karaikudi	04-11-2019	Fuzzy Based SVM Classification System For Video Indexing	National
	National Conference on Recent Research Trends in Computer Science (NCRRTCS'19),	Alagappa University,Karaikudi	04-11-2019	A Security Propelled Video Encryption	National
Dr.P.Eswaran	4 th IEEE International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques	GSSS Institute of Engineering & Technology for Women, Mysuru, Karnataka.	13.12.2019	Predicting the Chronic Kidney Disease using Various Classifiers	International
	2 nd International Conference on Modeling and Computational Methods in Science and Engineering	School of Mathematics, Alagappa University, Karaikudi	January 22-24, 2020	Attended	International
	International Conference on Computational Intelligence and Applications	Department of Computational Logistics, Alagappa University, Karaikudi.	8 th & 9 th August, 2019	Attended	International
	International Conference on Computational	Department of Computer Science,	23 rd & 24 th October,	Attended	International

	Sciences	Alagappa University, Karaikudi.	2019		
	National Conference on Recent Research Trends in Computer Science	Department of Computer Applications, Alagappa University, Karaikudi.	4 th November, 2019	Attended	National
	Two Days International Workshop on Biomedical Applications in Translational Research	Department of Biomedical Sciences, Alagappa University, Karaikudi.	6 th & 7 th June, 2019	Attended	International
	Three Day Workshop on Research Methods and LaTeX	Technical and Academic Writing Centre, Alagappa University, Karaikudi.	24 th to 26 th June, 2019	Attended	National
Dr.M.Vanitha	UGC-Sponsored Refresher Course in Computer Science	Human Resource Development Centre, Bharathidasan University, Tiruchirappalli.	06.12.2019 to 19.12.2019		
	International Conference on Computational Intelligence and Applications (ICCIA-2019)	Department of Computational Logistics, Alagappa University, Karaikudi in Association with Mangalore University, Mangalore at Karaikudi.	8 th & 9 th August 2019		International
	One Week National Level Workshop on "E-Content Development"	Department of Education (DDE), Alagappa University, Karaikudi	18.11.2019 to 22.11.2019		National
	International Conference on Computational Sciences (ICCS 2019)	Department of Computer Science, Alagappa University,	October 23 rd & 24 th 2019.	Tamil Character Recognition using Machine Learning Methods	International

	International Webinar in Recent Trends in Information Technology-2020(RTIT-2020)	Department of Information Technology, J.J. College of Arts and Science, Pudukkottai	24 th May 2020.		International
	Webinar Lecture Series on Recent Trends in Computer Science	Department of Computer Applications, Alagappa University, Karaikudi	27-05-2020 to 01-06-2020		National
	International Webinar on "Art of Writing Research Review/Articles for Publishing in Peer Reviewed Journals"	Internal Quality Assurance Cell(IQAC), MES College Erumely	25 th May 2020		International
	One-Day National Live Webinar on "A Confluence of Researching Minds 2020: Plagiarism Tools and Mendeley Reference Management System"	BGCW & KMGIPGS, Puducherry	29 th May 2020		National
	Two-Week Online Capacity Building Programme for Faculty members and Research Scholars	Alagappa University under the sponsorship of UGC STRIDE Component-I Scheme	12 th June 2020 to 23 rd June 2020		National
Dr.A. Nagarajan	One Day Workshop on Practicing NaiTalim, Experimental Learning Community Engagement and Vocational Education	Alagappa University College of Education & Centre for Gandhian Studies.	3 rd September, 2019	Attended	National
	Three Day International workshop on E-Content Development for MOOCs among the Faculty Members	Digital Education Cell, Alagappa University, Karaikudi.	10 th , 12 th & 13 th September, 2019.	Attended	International
	National Level Workshop on E –	Department of Education, DDE,	18.11.2019-	Attended	National

	Content Development	Alagappa University, Karaikudi.	22.11.2019		
	UGC-Sponsored Refresher Course	HRDC, BHARATHIAR UNIVERSITY, Coimbatore	12.09.2019 to 25.09.2019	Attended	National
	International Conference on Computational Sciences (ICCS 2019)	Dept.of Computer Science Alagappa University, Karaikudi	23.10.2019 to 24.10.2020	Medical Ultrasound Image Compression Using Edge Detection	International
	International Conference on Computational Sciences (ICCS 2019)	Dept.of Computer Science Alagappa University, Karaikudi	23.10.2019 to 24.10.2020	Segregation of Sensitive Data in cloud Storage	International
	National Conference on Recent Research Trends in Computer Science	Dept.of Computer Applications, Alagappa University, Karaikudi	04.11.2019	Attended	National
	National Level Workshop on E-Content Development	Dept. of Education DDE , Alagappa University, Karaikudi	18.11.2019 to 22.11.2019	Attended	National

Total Number: 30

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr.V. Palanisamy	Performance Improvement in Fingerprint Feature Extraction Using Minutiae Local Triangle Feature Set.	III Sponsored International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW-2019), IEEE (2019). 19 th December 2019 DOI: 10.1109/IMICPW.2019.8933166	0.638	International
	Evaluation of fingerprint minutiae on ridge structure using Gabor and closed hull filter.,	Computational Vision and Bio Inspired Computing. (Springer) 2020-April. Article in press. 19 th October 2019	1.34	International
	An Efficient Finger Vein Image Enhancement and Pattern Extraction Using CLAHE and Repeated Line Tracking Algorithm.	In: Pandian A., Ntalianis K., Palanisamy R. (eds) Intelligent Computing, Information and Control Systems. ICICCS 2019. Advances in Intelligent Systems and Computing, vol 1039. Springer, Cham. 01 st August 2019	1.3	International

		DOI:https://doi.org/10.1007/978-3-030-30465-2_76		
Securing Data with Selective Encryption Based DAC Scheme for MANET.	Pandian A., Senjyu T., Islam S., Wang H. (eds) Proceeding of the International Conference on Computer Networks, Big Data and IoT (ICCBI - 2018). ICCBI 2018. Lecture Notes on Data Engineering and Communications Technologies, vol 31. Springer, Cham. 19 th December 2019 DOIhttps://doi.org/10.1007/978-3-030-24643-3_15	0.638	Inter national	
Protecting Messages Using Selective Encryption Based ESI Scheme for MANET, TEQIP	III Sponsored International Conference on Microwave Integrated Circuits, Photonics and Wireless Networks (IMICPW-2019), IEEE (2019). 19 th December 2019 DOI: 10.1109/IMICPW.2019.8933208	0.638	Inter national	
Improved Method For Generating Biometric Cryptographic System From Face Feature	Proceedings Of The Third International Conference On Trends In Electronics And Informatics (ICOEI 2019) IEEE Xplore Part Number: August- 2019 CFP19J32-ART; ISBN: 978-1-5386-9439-8		Inter national	
Minor Finger Knuckle Print Image Edge Detection Using Second Order Derivatives,	Proceedings Of The Third International Conference On Trends In Electronics And Informatics(ICOEI 2019) August- 2019. IEEE Xplore Part Number: CFP19J32-ART; ISBN:978-1-5386-9439-8		Inter national	
A Secure Authenticated Bio-Cryptosystem Using Face Attribute Based On Fuzzy Extractor	Computational Vision and Bio Inspired Computing. (Springer) 2020-April. Article in press.	1.34	Inter national	
Minor finger knuckle print image enhancement using CLAHE technique,	Computational Vision and Bio Inspired Computing. (Springer) 2020-April. Article in press.	1.34	Inter national	
Finger-Knuckle-Print Image Enhancement and comparative Analysis of Histogram Equalization Techniques	International Journal of Engineering Science and Computing. 9 (7) 2019. 23308-23310	-	National	
Defeating Jamming Attack in Wireless Ad-	International Journal on Future Revolution in Computer Science &	-	National	

	Hoc Networks using Puzzle Based Hashing Technique	Communication Engineering. Volume (5) , Issue(7) July -2019. (UGC Approved)		
	MR Brain Image Enhancement and Removal of Impulse Noise Using Median Filters	International Journal of Emerging Technologies and Innovative Research. Volume 6 Issue 6 2019-06-10. (UGC Approved)	-	National
	Palmprint image denoising and enhancement using spatial domain filters	International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.6, Issue 2, Page No pp.906-909, (UGC Approved)	-	National
	An Review on Ear Recognition Techniques Based On Local Texture Descriptors	International Journal of Computer Sciences and Engineering, Vol.7, Issue.5, pp.1583-1587, 2019. (UGC Approved)	-	National
	Defeating Jamming Attack in Wireless Network Techniques	International Journal of Computer Sciences and Engineering, Vol.7, Issue.5, pp.1384-1388, 2019 . (UGC Approved)	-	National
	Comparative Analysis of Finger Vein Pattern Feature Extraction Techniques: An Overview.	International Journal of Computer Sciences and Engineering, 7(5), 915-920. (UGC Approved)	-	National
Dr.K.Mahesh	RGB Component Encryption of Video Using AES-256 Bit Key	Proceeding of the International Conference on Computer Networks, Big Data and IoT (ICCBI - 2018) Springer Lecture Notes, Publisher Name: Springer, Cham, DOI : 10.1007/978-3-030-24643-3_83	Nil	Inter national
	MPEG-7 Visual Shape Descriptor Encryption	International Journal of Scientific & Technology Research	Nil	Inter national
	BITS – A Novel Video Encryption Algorithm	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Nil	Inter national
	A Generic Approach for Video Indexing	Proceeding of the International Conference on Computer Networks, Big Data and IoT (ICCBI - 2018) ,Springer Lecture Notes, Publisher Name: Springer, Cham DOI:10.1007/978-3-030-24643-3_84	Nil	Inter national
	Analyzing Global Feature for Duplicate Video Retrieval using CNN and PCA	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Nil	Inter national
	Improved Fuzzy-	International Journal of Fuzzy	4.406	Inter

	Based Svm Classification System using Feature Extraction for Video Indexing and Retrieval	Systems		national
	An Efficient Video Indexing and Retrieval Algorithm using Ensemble Classifier	IEEE Xplore	Nil	International
Dr.P.Eswaran	A Secure Visual Share Creation Model using Cauchy Mutation Based Steam Cipher for Digital Image Security	International Journal of Advanced Science and Technology	--	International
	Deep neural network with moth search optimization algorithm based detection and classification of diabetic retinopathy images	SN Appl. Sci. (Springer)	--	International
	An intelligent IoT with cloud centric medical decision support system for chronic kidney disease prediction	International Journal of Imaging Systems and Technology	1.254	International
	Efficient Classification and Prediction of Chronic Kidney Disease by using Multi-Kernel Support Vector Machine and Fruit Fly Optimization Algorithm	International Journal of Imaging Systems and Technology	1.254	International
	Risk Factor Identification, Classification and Prediction Summary of Chronic Kidney Disease	Recent Advances in Computer Science and Communications	--	International
	An Effect of Machine Learning Based Classification Algorithms on Chronic Kidney Disease	International Journal of Innovative Technology and Exploring Engineering	--	International
	Analysis On MRC For Rake Receiver	International Journal of Scientific & Technology Research	--	International

	Village's E-Government	International Journal of Engineering and Advanced Technology	--	International
	E-Commerce Application System at Motorcycle Showroom	International Journal of Engineering and Advanced Technology	--	International
Dr.M.Vanitha	"The Segmentation of Lumen Boundaries at Intravascular Ultrasound Images"	International Journal of Engineering and Techniques, Volume 5 Issue 4, ISSN: 2395-1303		International
	"Edge Based Segmentation in Medical Images"	International Journal of Engineering and Advanced Technology (IJEAT), Vol.-9, Issue-1, ISSN: 2249 – 8958	5.97	International
	"Imputation Methods for Missing Data for a Proposed VASA Dataset"	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.-9, Issue-1, ISSN: 2278-3075	5.54	International
	"Selecting Features Related to Work-Pressure and Assessing Possible Diseases in Humans"	International Journal of Scientific & Technology Research (IJSTR), Vol.-8, Issue-12, ISSN: 2277-8616	7.466	International
	An Enhanced IRIS Output Technique (EIOT) for Biometric Security"	International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol.-9, Issue-2, ISSN: 2278-3075	5.54	International
	"Securing Biometric Data With Multiple Share Creation And Light Weight Visual Cryptography Technique"	International Journal of Scientific & Technology Research (IJSTR), Vol.-8, Issue-12, ISSN: 2277-8616	7.466	International
	"Denoising Of Osteosarcoma Digital Images Using Various Enhanced Filtering Techniques"	International Journal of Scientific & Technology Research (IJSTR), Vol.-9, Issue-2, ISSN: 2277-8616	7.466	International
	"The Predicting diseases of Employees with VASA Dataset using Entropy"	International Journal of Advanced Science and Technology, Vol. 29, Issue No. 4, (2020), pp. 5867 - 5874		International
Dr.A.Nagarajan	A Compendious Study on Smart Home Energy Management System for Energy Forecasting	International Journal of Engineering and Techniques	--	International
	Analysis On MRC For Rake Receiver	International Journal of Scientific & Technology Research	--	International
	Village's E-Government	International Journal of Engineering and Advanced Technology	--	International
	E-Commerce Application System at	International Journal of Engineering and Advanced Technology	--	International

	Motorcycle Showroom			
	A Compendious Study on Smart Home Energy Management System for Energy Forecasting	International Journal of Engineering and Techniques	--	International
	A Compendious Study on Smart Home Energy Management System for Energy Forecasting	International Journal of Engineering and Techniques	--	International

Total Number: International : 9+7+9+8+6 = 39 , National := 7

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
V.Palanisamy	Securing Data with Selective Encryption Based DAC Scheme for MANET	Springer (ISBN978-3-030-24642-6)
V.Palanisamy	An efficient finger vein image enhancement and pattern extraction using CLAHE and repeated line tracking algorithm	Springer (ISBN 978-3-030-30464-5)
Dr.P.Eswaran	Advanced Database Management System	Chandru Publishers/ ISBN - 978-81-945191-02

Total Number: 3

11. (c) Monographs/Course Materials written by the Faculty Member during 2019-20.

Name of the Faculty	Title of the monograph/Course Material	Name of the Publisher
Dr.P.Eswaran	An Efficient Image Encryption Scheme Based on Signcryption Technique with Adaptive Elephant Herding Optimization, https://doi.org/10.1007/978-3-030-16837-7_3	Springer
	Secure Data Transmission Through Reliable Vehicles in VANET Using Optimal Lightweight Cryptography, https://doi.org/10.1007/978-3-030-16837-7_9 .	Springer
	Mobility and QoS Analysis in VANET Using NMP with Salp Optimization Models, https://doi.org/10.1007/978-3-030-22773-9_2 .	Springer
	Energy Reduction Stratagem in Smart Homes using Association Rule Mining, https://doi.org/10.1007/978-3-030-38040-3_22 .	Springer
	Management Information System	Alagappa University

Dr.A.Nagarajan	Analysis of Human Serum and Whole Blood for Transient Biometrics Using Minerals in the Human Body https://doi.org/10.1007/978-981-15-1451-7_17	Springer
	Object Oriented Analysis and Design	Alagappa University

Total Number: 07

13. Details of Patent / IPR during 2019-20

Name of the Faculty	Patent / Copyright Details	Registration Details
Dr.P.Eswaran	Design of Real Time Smart Health Care System Through Data Mining and IoT	Appl. No.: 201941041826, Date: 25.10.2019
	IoT based Integrated Device and System for Health Analysis	Appl. No.: 201931039857, Date: 08.11.2019
	Experimental Analysis of a Solar Cooker with a Parabolic Trough Enhanced with PCM based Thermalstor	Appl. No.: 201941044051, Date: 31.10.2019

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20.09.2019 to 22.09.2019	Village Extension Programme- Village cleaning, explain the cleanness, Medical camp, and tree plantation	Koviloor	57

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	06	RUSA
VOC/PMT Scholarship awarded	-	-
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	01	NET
UGC Rajiv Gandhi Fellowship	01	-
UGC Indra Gandhi single girl child	-	-
Others (if any)	01	PURSE

17. Placement of students / Scholars during 2019-20 : Nil

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space		Laptops	2 +5	Wi-Fi unit	
Air Conditioners	1	LCD projector	3	Podium	3
Generator/Inverter		Xerox machine	1	Interactive board	3
Fax Machines		Printers	4 +5		
Computers	77 (70+7)	Phones (including intercom)	8	Others (specify)	

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	
Podium –	

10 KVA Inverter	
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19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
70 nos I5 processor computer systems	28 lakhs

20. Special Features of the Department / Centre / College

xlvi.	Smart class room for the students
xlvii.	Well equipped Computer Laboratory

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Remedial classes for the slow learners
	Hands on Training to the students in the specialized tools
	Orientation classes for the Fresher's

17. DEPARTMENT OF COMPUTER SCIENCE

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. E.Ramaraj	Professor and Head	M.Sc,M.Phil,M.C.A, M.Tech,Ph.D, PGDCA	05-12-1986
Dr. T. Meyyappan	Professor	M.sc[CA],M.B.A, M.Tech,M.Phil,Ph.D	10-11-1990
Dr. S.S. Dhenakaran	Professor	M.Sc,PGDCA,PGDOR, M.C.A,M.Phil,Ph.D	28-12-1987
Dr. A. Padmapriya	Associate Professor	M.C.A,M.Phil,Ph.D	01-02-2004
Dr. S. Santhoshkumar	Assistant Professor	M.Sc,M.Phil,M.Tech,Ph.D	04-12-2015

Total Number: 5 No. of faculty with Ph.D: 5 No of faculty with IT Skills: 5

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	1	3	--	--	--	1	--	--	5
Addition during 2019-20NIL									

2. (a) Programs of Study (UG/PG/M.Phil. /Ph.D/ Diploma, etc) offered by the Dept. / College

i	M.Sc. Computer Science	ii	M.Phil. Computer Science
iii	Ph.D. Computer Science	iv	---

3. a. Students Strength (I YEAR)

Program (PG/M.Phil/Cert/ Dip./PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Computer Science	155	-	2	2	-	4	33	12	4	57
M. Phil Computer Science	32	-	2	-	-	-	8	4	1	15
Total	187	-	4	2	-	4	41	16	5	72

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc. Computer Science	1 + NRI 2	2	2	--	1	27	10	3	48
Total	3	2	2	--	1	27	10	3	48

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil.	-	2	-	-	-	8	4	1	15

Ph.D. Scholars during 2019-20(Except Dr. S.S. and Dr. E.R.'s scholars)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	

Dr. E. Ramaraj	1	4	--	--	15	1	-	4
Dr. T. Meyyappan	2	3	--	--	7	--	2	2
Dr. S. S. Dhenakaran	2	3	--	--	9	--	--	--
Dr. A. Padmapriya	1	2		--	8	3 (DDE)	--	2
Dr, S. Santhosh Kumar	--	10	--		13	2	3	3

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr.S.Santhoshkumar	2017	Ongoing	AURF Alagappa University	Mitigation of Distortion of Honey Bees Caused By EMF Radiation Of Cell Phone Towers And Mobile Phones AURF	0.35
Dr.S.Santhoshkumar	2018	Ongoing	AURF Alagappa University	Cloud Based Distributed Data base Integration for Medical Analysis	1
Dr.S.Santhoshkumar	2019	Ongoing	Rashtriya Uchchatar Shiksha Abhiyan (RUSA) – MHRD- Government of India	Theme: Mathematical Modeling and Computational Intelligence Sub Theme: IoT and Big Data Analytics in Health Care and Smart Farming	3.3

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	19th August 2019	One day workshop on "Virtual Reality and Digital Manufacturing", and Hands-on Training sessions based on 3D Printing Technologies	200	1	--	National
2	23rd & 24th October, 2019	International Conference on Computational Sciences (ICCS 2019)	200	5	132	International
3	15th and 16th May 2020	Webinar on Role of VR & AR in Industry 4.0	1000	1	--	National

Total Number: 3

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
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Dr.E.Ramaraj	International Conference on Mobile Computing and Sustainable Computing Informatics(ICMCSI 2020)	Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal	23 rd & 24 Jan 2020	Investigation on Data Mining and Machine Learning Techniques in Rheumatoid Arthritis Disease Research and its Outcomes	Inter national
Dr.E.Ramaraj	International Conference on Recent Trends in Bioplastics(RTB-2019	Alagappa University, Karaikudi.	09.12.20 19	Bioplastic Computer Manufacturing Using Modified Chemical Synthesis of Polylactides	Inter national
Dr.E.Ramaraj	International Conference on Wireless Sensor Networks, Ubiquitous Computing and Applications(ICWUA).		03.09.20 19	Process Analytics Model Approach in Health Care: The Big Data and IoT in Technological Perspective	Inter national
Dr.E.Ramaraj	International Conference On Computational Intelligence and Applications(ICCIA-2019)		8 th & 9 th Aug	A Machine Learning Approach to Support Medical Practitioners for Detecting Cardio Vascular Disease	Inter national
Dr. T. Meyyappan	ICCS-2019, Alagappa University,	Department of Computer Science, Alagappa University, Karaikudi	23-24 October 2019	Forecasting And Prediction Of Air Pollution Level To Protect Human Beings From Health Hazards	Inter national
	ICCIA-2019 , Alagappa University.	Department of Computational Logistics			Inter national
Dr.S.S.Dhenakaran	Computational Intelligence and Applications – 2019	Dept. of Computational Logistics	8-9 Aug. 2019	Reviewer and Session Chair	Inter national
	Computational Intelligence and Applications	Dept. of Computational Logistics	8-9 Aug. 2019	Blending Mechanism for Hiding Images	Inter national
Dr. A. Padmapriya	International Conference on Computational Sciences (ICCS 2019)	Department of Computer Science, Alagappa University,	23 rd & 24 th October, 2019	PIR ² – A Multi-Level Text Encryption Algorithm	Inter national

		Karaikudi				
	International Conference on Computational Sciences (ICCS 2019)	Department of Computer Science, Alagappa University, Karaikudi	of	23 rd & 24 th October, 2019	Nutrient Knowledge Base for Horticultural Crops through Precision Farming	International
	International Conference on Computational Sciences (ICCS 2019)	Department of Computer Science, Alagappa University, Karaikudi	of	23 rd & 24 th October, 2019	Early Detection of Infestation in Paddy leaves	International
	International Conference on Computational Sciences (ICCS 2019)	Department of Computer Science, Alagappa University, Karaikudi	of	23 rd & 24 th October, 2019	Rule based Disease Prediction for Groundnut (Arachis hypogaea)	International
	International Conference on Computational Sciences (ICCS 2019)	Department of Computer Science, Alagappa University, Karaikudi	of	23 rd & 24 th October, 2019	Evidence Phrase Based Combined Relevance for Web Information Filtering	International
	International Conference on Computational Sciences (ICCS 2019)	Department of Computer Science, Alagappa University, Karaikudi	of	23 rd & 24 th October, 2019	Predicting the Decomposition Level of Forest Trees Through Classification Techniques	International
	International Conference on Recent Trends in Bioplastics (RTB-2019)	Department of Microbiology, Alagappa University, Karaikudi	of	9th & 10th December, 2019	Crop Advisory system based on Irrigation Water Quality Index	International
	International Conference on Recent Trends in Bioplastics (RTB-2019)	Department of Microbiology, Alagappa University, Karaikudi	of	9th & 10th December, 2019	Identification of Fungal Infections in Solanum lycopersicum through Precision Farming	International
Dr. S. Santhosh kumar	UGC- Sponsored Refresher Course	UGC HRDC, Bharathiar University, Coimbatore		13th feb to 5 th March 2019	-	National

Total Number:17

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
	Surface segmentation and environment change analysis using band ratio phenology index method – supervised aspect	IET Image Processing	2.04	International

Dr.E. Ramaraj	Data Fusion Confusion in Internet of Things(IoT)	Alochana Chakra Journal	---	International
	A Multiple Linear Regression Model to Predict Rainfall Using Indian Meteorological Data	International Journal of Advanced Science and Technology	0.410	International
	An Efficient Data Stream Analytics Model for Real Time Internet of Things (IoT) Applications	International Journal of Recent Technology and Engineering (IJRTE)		International
	IoT Waste Management and Alerting System With Arduino Uno	International Journal Of Scientific & Technology Research		International
	The Effective Yield of Paddy Crop In Sivaganga District – An Initiative For Smart Farming	International Journal Of Scientific & Technology		International
	Prediction of Diabetes And Cholesterol Diseases Based On Ensemble Learning Techniques	International Journal Of Scientific & Technology Research		International
	Shortwave Infrared-Based Phenology Index Method for Satellite Image Land Cover Classification	Advances in Intelligent Systems and Computing.		International
	Deep Learning Technique to Predict Heart Disease using IoT Based ECG Data	International Journal of Innovative Technology and Exploring Engineering (IJITEE)		International
	Inquiry of Personal Intelligence of Adolescence and Early Adulthood College Students of Tamil Nadu using Id3 Algorithm	International Journal of Innovative Technology and Exploring Engineering (IJITEE)		International
	Credit Card User Frequent Buying Prediction Analysis using Cluster Methods	International Journal of Innovative Technology and Exploring Engineering (IJITEE)		International
	Process Analytics Model for Health Care using IoT and Big Data Techniques	International Journal on Emerging Technologies		International
	Predicting the Symptoms of Cardio Vascular Disease using Machine Learning Technique	International Journal of Innovative Technology and Exploring Engineering (IJITEE)		International
	Generating Association Rules to Identify Adolescence Behavior of Students in Higher Educational Institutions	International Journal Of Scientific & Technology Research		International
	Predictive Analytics Using Rule Based Classification and Hybrid Logistic Regression(HLR) Algorithm for Decision Making	International Journal Of Scientific & Technology Research		International

Dr. T. Meyyappan	Fuzzy based cell generalization to improve the data utility with minimal loss of information	Journal of Intelligent and Fuzzy systems IOS Press Netherlands Volume 37 (2019) pp. 217-225 DOI: 10.3233/JIFS-179079 June 2019	1.637	Inter national
	Digital image watermark embedding and extraction using oppositional fruit fly algorithm	International Journal of Multimedia Tools and Applications (Springer) Volume 78, Issue 19 pp. 27491-27510 https://link.springer.com/article/10.1007/s11042-019-7650-0 Oct 2019	2.101	Inter national
	Prediction of Individual's Character in Social Media	Journal of Mobile Network and Applications Issue : 24 pp.1763–1777 https://link.springer.com/article/10.1007/s11036-019-01388-3 Nov 2019	2.602	Inter national
	Forecasting and Prediction of air Pollution levels to Protect Human beings from health Hazard	International Journal of Scientific & Technology Research(IJSTR),IJSTR©2020,www.ijstr.org (Scopus) January 2020	3.023	Inter national
	Performance Analysis of Kmeans and Kmediods Algorithm in Air Pollution Prediction	International Journal of Recent Technology and Engineering (IJRTE),DOI: 10.35940/ijrte.E6495.018520, (Scopus) January 2020	5.92	Inter national
	Dr.S.S.Dhenakaran	IoT Enabled Visual Recognition Model for Biometric Authentication	Int. Journal of Advanced Trends in Computer Science and Engineering, Vol. 9, Issue 1, Jan.. 2020, ISSN 2278-3091, Scopus 2019	0.378
Encryption Mechanism for Concealing Images		Int. Journal of Scientific & Technology Research, Vol. 8, No. 5, Oct. 2019	7.46	Inter national
Sentiment Analysis on Social Media Big Data With Multiple Tweet Words		International Journal of Innovative Technology and Exploring Engineering, Vol.8 Issue.10, Pg No: 3429-3434, Aug. 2019, Scopus Indexed	5.54	Inter national
Opinion Exploration of Tweets		International Journal Of	7.466	Inter

	and Amazon Reviews	Scientific & Technology Research, Vol.9, Issue.1, Pg. No: 2514-2518, Jan.2020, SCOPUS Indexed		national
	Optimizing Image Folding Techniques, Scopus Indexed, Vol. 5 Issue 4, August 2019, IF: 0.797,	International Journal of Engineering Techniques, Vol. 5, Issue 4, August 2019	0.797	Inter national
	Hiding an Image in its Small Segment by Mixing the Segments”,	International Journal of Engineering and Advanced Technology (IJEAT) at Volume 8 Issue 6, Scopus Indexed, August 2019		Inter national
	Information Security by Reducing Length of Cipher Text	International Journal of Scientific & Technology Research - [Impact Scopus Indexed, September 2019	3.023	Inter national
	Hiding Images as a Single Image using Arithmetic Operations”,	International Journal of Innovative Technology and Exploring Engineering' at Volume-8 Issue 11, ISSN 2278-3075 , September 2019, Scopus	5.54	Inter national
	Invention Of Arbitrary Encryption System Using Applied Mathematical Tree Structure	International Journal of Scientific & Technology Research, Vol. 8, issue 10, ISSN: 2277 – 8616, August 2019, Scopus , pp. 2177-2182	3.023	Inter national
Dr. A. Padmapriya	Prediction based Agro Advisory System for Crop Protection	Springer Lecture Notes on Data Engineering and Communications Technologies book series (LNDECT), Vol. 26, ISBN 978-3-030-03145-9, pp 974-980		Inter national
	Symmetric Cryptographic Framework for Network Security	International Journal of Innovative Technology and Exploring Engineering, Vol.8, Issue.10, pp. 3803-3808, August 2019		Inter national
	Personalized medical information filtering using evidence phrases	International Journal of Innovative Technology and Exploring Engineering, Vol.8, Issue.10, pp. 3299-3307, August 2019		Inter national
	Visualizing the impact of climatic changes on Pest and Disease Infestation in Rice (Oryza sativa L)	International Journal of Recent Technology and Engineering, Vol.8, Issue.3, pp. 8413-8421, September 2019		Inter national
	Novel Framework for Analyzing Air Quality using MatLab	International Journal of Recent Technology and Engineering, Vol.8, Issue.3, pp. 6579-6583, September 2019		Inter national
	Recommender System for Nutrient Management Based on Precision Agriculture	International Journal of Recent Technology and Engineering, Vol.8, Issue.4, pp. 227-235, November 2019		Inter national

	Predicting the Outbreak of Tikka and Rust in Grounut (Arachis Hypogaea)	International Journal of Recent Technology and Engineering, Vol.8, Issue.5, pp. 1862-1867, January 2020		International
	Application research of Multilayer Encryption algorithm based on data protection in Cloud Computing	Gongye Jishu Yu Zhiye Jiaoyu, Vol. 18 No. 1, March 2020, pp. 22-25, Industrial Technology and Vocational Education, ISSN 1674-943X, CN 13-1400-TB		Chinese Publication
Dr.S.Santhos hkumar	Performance Analysis of KMeans and KMediods Algorithms in Air Pollution Prediction	International Journal of Recent Technology and Engineering (IJRTE) 8 (5) Pages 3573-3577, 2020 ISSN:2277-3878(Online)	0.11	International
	Process Analytics Model for Health Care using IoT and Big Data Techniques	International Journal on Emerging Technologies 10 (4) Pages 197-200, 2019. (ISSN NO. (Print) : 0975-8364, (Online): 2249- 3255)	0.11	International
	Credit Card User Frequent Buying Predicton Analysis using Cluster Methods	International Journal of Innovative Technology and Exploring Engineering 8 (9) Pages 2223-2225, 2019	0.1	International
	Cloud Based User Analytics And Dynamic Page Refreshment Application For Web Portal	International Journal of Recent Technology and Engineering (IJRTE) 8(2) Pages 6217-6219, 2019. ISSN:2277-3878(Online)	0.11	International
	Mathematical Model-Based Speech Signals Processing Effects on Human Stress	International Journal of Emerging Trends in Engineering Research 8 (2) Pages 361-364, 2020.ISSN (ONLINE) : 2347 – 3983	0.7	International
	IoT Enabled Visual Recognition Model for Biometric Authentication	International Journal of Advanced Trends in Computer Science and Engineering 8 (5) Pages 2449-2452, 2019. E-ISSN:2278-3091	0.12	International
	Early Evaluation of Type-2 Diabetics Mellitus Disease	International Journal on Emerging Technologies 11 (2) Pages 653-655, 2020. (ISSN NO. (Print) : 0975-8364, (Online): 2249- 3255)	0.1	International
	Study And Identification Of Possible Research Directions Of Chronic Kidney Disease (Ckd) Prediction Using Data Mining Techniques	Journal of Critical Reviews 7 (10) Pages 1908-1911, 2020.E-ISSN:2394-5125	0.6	International
	Analysis of Entropy Measures using ID3 Algorithm with Iris	International Journal of Advanced Science and	0.11	International

	Dataset	Technology 29 (2) Pages 4614-4625, 2020. ISSN: 2005-4238 (Print) ISSN:2207-6360 (Online)		
	Study of Smart Farming Techniques in Drip Irrigation using IoT	International Journal of Advanced Science and Technology ISSN: 2005-4238 (Print) ISSN: 2207-6360 (Online) 29 (2) Pages 4595-4613, 2020	0.11	International
	Smart Self Automated Speed Breaker System To Control Vehicle Speed Using IoT	Journal of critical reviews (JCR) 7 (3) Pages 1255-1259, 2020. ISSN:2394-5125	0.6	International

Total Number:33

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
E.Ramaraj, P.Geetha, S.Muthukumar	Advanced Java Programming	Yesdee/9789388005395
Dr.S.Santhoshkumar A.Sumathi	Book Title: Advances Therapeutics and Diagnostics of Human Diseases Chapter Title: Prediction of Chronic Diseases Using Computation Techniques	Nova Science Publishers, Inc. 415 Oser Avenue, Suite N Hauppauge, NY, 11788 USA 978-1-53615-382-8 ISBN: 978-1-53615-382-8 August 2019 Published
Dr.S.Santhoshkumar A.Sumathi	Book Title: Opportunities and Challenges in Digital Healthcare Innovation Chapter Title: Process Analytics Model Approach in Healthcare: The Technological Perspective	IGI Global, USA ISBN13: 9781799832744 ISBN10: 1799832740 EISBN13: 9781799832751 DOI: 10.4018/978-1-7998-3274-4 June 2020 Published

Total Number: 2

11. (c) Monographs/Course Materials written by the Faculty Member during 2019-20.

Name of the Faculty	Title of the monograph/Course Material	Name of the Publisher
Dr. T. Meyyappan	Game theory based offload and migration-enabled Smart Gateway for Cloud of things in Fog computing	Computing in Engineering and Technology Springer – Singapore ISBN: 978-981-329-515-5 Edition 1 Nov 2019
Dr. A. Padmapriya	Cryptography and Network Security, M.Sc. [Computer Science], III – Semester, 341 31 <i>Course Material</i>	Directorate of Distance Education, Alagappa University
	Web Technology, M.Sc. [Computer Science], III – Semester, 341 33 <i>Course Material</i>	Directorate of Distance Education, Alagappa University
	Web Technology Lab, M.Sc. [Computer	Directorate of Distance Education,

	Science], III – Semester, 341 34 <i>Course Material</i>	Alagappa University
Dr.S.Santhoshkumar	- M.Sc (Computer Science) Second Year – Fourth Semester – Course Material Title: Data mining and warehousing	Directorate of Distance Education (DDE), Alagappa University, Karaikudi
	M.Sc (Information Technology) Second Year – Fourth Semester – Course Material Title: Web Technology Lab	Directorate of Distance Education (DDE), Alagappa University, Karaikudi

13. Details of Patent / IPR during 2019-20

Name of the Faculty	Patent / Copyright Details	Registration Details
Dr.S.Santhoshkumar	Raspberry Pi Based Elderly Fall Detection System For Elderly People Using Iot And Big Data App. No: 202041009944	08/03/2020 (Filed) 13/03/2020 (Published)

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20-9-2019 to 22-9-2019	Village Extension Programme Activities a. Temple premises cleaning b. Public awareness rally c. Village incumbants survey d. Plastic waste cleaning e. Medical camp f. Tree planatation	Vairavanpatti, Sivaganga District	47

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	--	--
VOC/PMT Scholarship awarded	6	--
Education Loans from Bank	--	--
UGC/CSIR JRF/NET or SLET	--	--
UGC Rajiv Gandhi Fellowship	2	UGC
UGC Indra Gandhi single girl child	--	--
Others (if any) RUSA merit scholarship	5	MHRD

17. Placement of students / Scholars during 2019-20

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
M.Sc. Computer Science	15	10,000

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	31" X 18" Rooms - 4	Laptops	-	Wi-Fi unit	2
Air Conditioners	1	LCD projector	5	Podium	2
Generator/Inverter	1	Xerox machine	1	Interactive board	3
Fax Machines	-	Printers	6		

Computers	60+6	Phones (including intercom)	10	Others (specify)	
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19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Digital Audio Mixer	2,15,000.00
Structured Cabling Accessories For 70Computers	1,53,893.00
Video Equipments	3,25,238.00
Rapter Podium Model R-2015 – 3. Nos	79,005.00
Structured Cabling For 65 Computers	1,79,138.00
Panasonic 43” Display Lh-43 Dm350dx – 3. Nos	1,78,124.00
Ups – Numeric – 5 KVA Systems With DC PowerPack – 1 No. (70)	1,26,500.00
HP 1005 – M Multifunctional Laser Printer –1. No	13,800.00
Panasonic 43” Display Lh-43 Dm350dx – 3. Nos	1,78,124.00
Samsung 1676 P Printer – 1	6,850.00
UPS	2,35,440

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
Modular Computer Workstation	15,67,832.00
Audio Equipments	6,08,327.00
Operable Hall divider	6,84,200
HP-Core i3Desktop	7,45,000

20. Special Features of the Department / Centre / College

xlix.	Wi –Fi Zone, Internet Resources, Modernized Computer Lab
I.	Utilization of Lab, Visualizers and Smart Boards for Teaching

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Full-Fledged Multipurpose Modernized computer Lab facility, 24 hours Wi-Fi Facilities, INFLIBNET, Facility for Journal Accession
ii.	Transparency in CIA Evaluation and Double Blind Digital Evaluation of Answer Scripts
lii	Book Bank Scheme
Iv	Recognition for Merit Toppers
V	Bridging the Gap between Academia and Industry by Frequent Alumni Interaction With the students

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18. DEPARTMENT OF COMPUTATIONAL LOGISTICS

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr.K.Kuppusamy	Professor & Head (i/c)	M.Sc.,M.Phil.,MCA.,B.Ed.,Ph.D	17-12-1987
Dr.A.Senthilrajan	Professor & Director	B.E.,M.B.A.,M.Sc.,M.Phil.,Ph.D	08-03-2013
Dr.S.Narayanan	Sr. Programmer – Redesignated as Asst. Professor - Reverted to Sr.Programmer (from 20-4-2020)	M.Sc.(Phy.),M.Sc.(CS),M.Phil., PGDCA.,Ph.D	22-12-1986
Dr.V.Nandakumar	Sr. Programmer – Redesignated as Asst. Professor - Reverted to Sr.Programmer (from 20-4-2020)	M.Sc.(CS),M.Phil.,Ph.D	22.12.1986 / 30-4-2020

Total Number: 4 No. of faculty with Ph.D: 4 No of faculty with IT Skills: 4

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
Dr.S.RajaGopalan	Senior System Engineer	BE,MBA (HR), M.Sc (CS), Ph.D (CS & engg)
Dr.A.Ramesh Babu	Senior System Engineer	B.E., M.C.A., M.Phil., Ph.D.

Total Number: 2 No. of Non-teaching Staff with IT skills: 2

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	1	1	2						4
Addition during 2019-20									

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	1	1							2
Addition during 2019-20 - Nil									

2. (a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc. (Information Technology)	ii	---
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3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert/ Dip./PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Information Tech.	46	--	4	1	1	1	22	12	--	41

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	

M.Sc. (IT)	--	2	1	--	--	23	9	6	41
Total		2	1			23	9	6	41

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	-	1	-	-	-	1	-	-	2
Ph.D. (Part-Time)	-	-	-	-	-	-	-	-	-

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
Ph.D					West Bengal	1		1	1

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	--	4	1	1	6	1	22	12	--	35
PG-II Year	--	2	1	--	3	--	23	9	6	38
M. Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	--	6	2	1	9	1	45	21	6	73

Grand Total: 82

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	--	--	--	--	--	1	21	12	--	34
PG-II Year	--	2	1	--	3	--	23	9	6	38
M.Phil.										
Ph.D.										
Total	--	3	1	--	3	1	44	21	6	72

Grand Total: 75

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	165	100	265	68,832
Indian Journals				
International Journals				

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr.K. Kuppasamy		2*	--	1	7	1	1	3

Dr.A. Senthilrajan	1	2*	--	--	7		--	3
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8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	8-9, Aug.2019	International Conference on Computational Intelligence and Applications -2019 (ICCIA-2019)	210	6	73	International

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr.K. Kuppusamy	4th International Conference on Intelligent, Interactive Systems and Applications (IISA2019)	La Salle University, USA Universitat Politecnica de Catalunya, Barcelona, Spain SOA University, India IRNet International Academic Communication Center, Bangkok Ramada Plaza, Bangkok Menam Riversidem Bangkok, Thailand	June 28-30, 2019	Multiple Key Encryption (MKE) Technique: An Encryption-as-a-Service Delivery Model in Cloud Computing	International
	International Conference on Computational Intelligence and Applications (ICCIA-2019)	Dept. of Computational Logistics Alagappa University, Karaikudi	8-9th August 2019.	i) A cram on cloud security protest based on central Dogma of DNA ii) Cloud security using Ring Signature Cryptography iii) A location based smart retailing system using cloud computing	International

	International Conference on Computational Sciences (ICCS 2019)	Dept. of Computer Science, Alagappa University, Karaikudi	23-24th October 2019	i) Evolution of various techniques based on performance metrics on cloud security ii) Memory Based Hybrid Dragonfly Optimization for Multiple Key Generation Approach using Cloud Computing	International
	National Conference on Recent Trends in Computer Science (NCR TCS'19)	Dept. of Computer Applications, Alagappa University, Karaikudi	4th November 2019	Attended	National
Dr.A.Senthil rajan	International Conference on Computational Intelligence and Applications (ICCIA-2019),	Dept. of Computational Logistics Alagappa University, Karaikudi	8-9th August 2019	An Approach for Identifying Network Traffic Using DPI and DFI	International
	International Conference on Computational Sciences (ICCS-2019),	Dept. of Computer Science, Alagappa University, Karaikudi	23-24th October 2019	i) Research on Packet Inspection Techniques ii) Analysis of Preprocessing Operation for Image Enhancement	International
	International Conference on Advances in Mathematics, Computers & Physical Sciences Cambodia 2019.	Build Bright University, Siem Reap, Cambodia	December 13-14, 2019	Automated Weed Removal using Image Processing and IoT Techniques	International

Total Number: 7

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr.K.Kuppusamy	A Novel Trust-Based Privacy Preservation Framework for Service Handling via Ontology Service Ranking	Wireless Personal Communication, Vol.112, Issue 3, April 2020, ISSN: 0929-6212, Springer Publications, pp.1339–1354. (SCI indexed)	1.061	International
	Memory Based Hybrid Dragonfly Optimization for Multiple Key Generation using Cloud Computing	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-5, January 2020, pp.4442-4451 (Scopus Indexed)		International
	Multiple Key Encryption (MKE) Technique: An Encryption-as-a-Service Delivery Model in Cloud Computing	Advances in Intelligent Systems and Interactive Applications, Springer Book Series, Proceedings of the 4th International Conference on Intelligent, Interactive Systems and Applications (IISA2019)		International

		Series ISSN: 2194-5357 ISBN: 978-3-030-34386-6 Volume 1084, pp 537-545, November 2019. (Scopus Indexed)		
	Adaptive context aware role based access control Model for Pervasive Learning Environment	Journal of the Gujarat Research Society ISSN: 0374-8588 Volume 21 Issue 9, November 2019, pp 145-155 (UGC Approved) Care List D		National
	Smart Architecture For Retailing System Using Loe Technique Cloud Computing	International Journal of Scientific and Technology Research, (ISSN 2277-8616), Vol. 8, Issue 11, November 2019, pp 650-654. (Scopus Indexed)		International
	Implementation of enhanced SSE method for Privacy-Preserving using search over encrypted data on Cloud	International Journal of Analytical and Experimental Modal Analysis", (ISSN : 0886-9367), Vol.XI, Issue VIII, August 2019, pp 1892-1898 (UGC Care List Group A - Serial No. 36272).		International
	IoT Sensor-Based Smart Agricultural System	Lecture Notes on Multidisciplinary Industrial Engineering, Published by Springer, Singapore a part of Springer Nature Print ISBN 978-981-13-7967-3, Online ISBN 978-981-13-7968-0, page 39-52 (Book Chapter) (2020)		International
	A New Image Encryption Method Based on Improved Cipher Block Chaining with Optimization Technique	Securing the Internet of Things: Concepts, Methodologies, Tools, and Applications– Pages 939-955, IGI Global Publishers, 701 E. Chocolate Ave. Hershey, PA 17033, USA – Book Chapter (2020)		International
Dr.A.Senthilrajan	Implementing Various Noise Reduction Filters On Infected Coconut Images,	International Journal of Innovative Technology and Exploring Engineering, ISSN : 2278-3075, Vol. 8, Issue 12, Oct.2019, pp 3675-3678 (Scopus Indexed)		International
	Research On Packet Inspection Techniques,	International Journal of Scientific & Technology Research, ISSN : 2277-8616, Vol.8, Issue 11, Nov.2019, pp 2068-2073 (Scopus Indexed)		International
	Classifying Network Traffic Using DPI and DFI,	International Journal of Scientific & Technology Research, ISSN : 2277-8616, Vol.8, Issue 11, Nov. 2019, (Scopus Indexed)		International
	Agro Image De-Noising (Aid) for Enhanced Agricultural	International Journal of Engineering and Advanced Technology, ISSN : 2249–		International

	Images,	8958, Vol.9, Issue 2, Dec. 2019, pp 2474-2478		
	Amalgamate Classification of Plant Using Deep Learning	International Journal of Scientific & Technology Research (IJSTR) ISSN 2277-8616, Vol.9, Issue 02, February 2020 (Scopus Indexed)		International
	A Heuristic Fuzzy algorithm for Hardware Engineers Assignment in University Sector, Human Interaction and Emerging Technologies	Advances in Intelligent Systems and Computing book series, Springer, Cham, ISBN : 978-3-030-25629-6, August 2019. (Book Chapter)		International
	An Approach for Detecting Man-In-The-Middle Attack Using DPI and DFI,	Lecture Notes on Data Engineering and Communications Technologies, Springer Nature Switzerland AG Gewerbestrasse 11, 6330 Cham, Switzerland, ISBN 978-3-030-43191-4, March 2020. (Book Chapter)		International

Total Number: 15

11. (c) Monographs/Course Materials written by the Faculty Member during 2019-20.

Name of the Faculty	Title of the monograph/Course Material	Name of the Publisher
Dr.K.Kuppusamy	DDE – MCA – Discrete Mathematics	-

Total Number: 1

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20-09-2019 to 22-09-2019	Village Extension Program	Kothari Village	41
13-3-2020	Parent Teachers Association Meet	Conference Hall, Science Campus	25 + 41 (Students)
14-15, Oct. 2019	Technovation 2k19 Two day State Level Symposium organized by M.Sc(IT) students	L.Ct.L Auditorium Alagappa University	150

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	--	
VOC/PMT Scholarship awarded	2	Tamilnadu Govt.
Education Loans from Bank	--	
UGC/CSIR JRF/NET or SLET	--	
UGC Rajiv Gandhi Fellowship	--	
UGC Indra Gandhi single girl child	--	
Others (if any)	--	

17. Placement of students / Scholars during 2019-20 : NIL (No batch passed out)

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space		Laptops	--	Wi-Fi unit	
Air Conditioners	--	LCD projector	3	Podium	3
Generator/Inverter	--	Xerox machine	1	Interactive board	3
Fax Machines	--	Printers	3		
Computers	18	Phones (including intercom)	1	Others (specify)	

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Octofive – Interactive boards-	2,25,000
Podium –	90,000
10 KVA Inverter	--

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
Computers – 18	8,32,000

20. Special Features of the Department / Centre / College

li.	Providing Software Training to the students to meet IT industrial requirements.
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21. Best / Innovative Practices followed in the Department / Centre / College

i.	Established Book Club to improve reading habits.
ii.	Conducting Theory and Practical oriented Training to meet the requirements of IT industries.

19. DEPARTMENT OF BIOTECHNOLOGY

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. S. KARUTHA PANDIAN	Senior Professor & Head	M.Sc., Ph.D., D.Sc.,	11.03.2002
Dr. K. BALAMURUGAN	Professor	M.Sc., Ph.D.,	15.11.2006
Dr. A. VEERA RAVI	Professor	M.Sc., M.Phil., Ph.D.,	25. 11. 2002
Dr. M. RAMESH	Associate Professor	M.Sc., M.Phil., Ph.D.,	12.05.2003
Dr. K. PANDIMA DEVI	Associate Professor	M.Sc., Ph.D., D.Sc.,	12.05.2003
Dr. S. GOWRISHANKAR	Assistant Professor	M.Sc., Ph.D.,	30.01.2016

Total Number: 6 No. of faculty with Ph. D:6 No of faculty with IT Skills: 6

1. (b) Members of the Non-teaching Staff:

Name	Designation	Qualification
Mrs. P. Vasumathi	Master Technician	M. Sc., B. Ed., M. Phil.,
Mrs. K. Anitha	Junior Assistant cum Typist	M. Sc.,

Total Number: 2 No. of Non-teaching Staff with IT skills:2

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	3	1	1	-	1	-	-	6
Addition during 2019-20	-	-	-	-	-	-	-	-	-

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	-	-	-	-	1	1	-	2
Addition during 2019-20 - Nil									

2. (a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc. Biotechnology	ii	Ph.D. Biotechnology
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Total No. of Programs: 2

3. a. Students Strength (I YEAR)

Program (PG/M.Phil. /Cert/Dip. / PG Dip	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC/DNC	SC/ST	OC	BC	MBC/DNC	SC/ST	
M.Sc.,	92	1	7	3	2	1	10	5	2	31
Total	31	1	7	3	2	1	10	5	2	31

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC/DNC	SC/ST	OC	BC	MBC/DNC	SC/ST	
M.Sc.	1	7	2	2	1	10	6	2	31
Total	1	7	2	2	1	10	6	2	31

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC/DNC	SC/ST	OC	BC	MBC/DNC	SC/ST	
Ph.D. (Full-Time)	1	4	2	5	2	13	5	1	33

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
Ph.D.	-	-	-	-	Rajasthan/ Karnataka Odisha	2	1	3	3

3. c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC/DNC	SC/ST	Total	OC	BC	MBC/DNC	SC/ST	Total
PG-I Year	1	7	3	2	13	1	10	5	2	18
PG-II Year	1	7	2	2	12	1	10	5	2	18
Ph.D.	-	1	-	-	1	-	6	1	1	8
Total	2	15	5	4	26	2	26	11	5	44

Grand Total: 44

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	1	7	3	1	12	1	9	2	-	12
PG-II Year	1	8	2	1	12	1	9	3	2	15
Ph.D.	-	1	-	-	1	-	6	1	1	8
Total	2	16	5	2	25	2	24	6	3	35

Grand Total: 60

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	620	72	692	480376.80
Indian Journals	13	---	13	
International Journals	06	---	06	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr. S. Karutha Pandian	1	-	2	-	14	-	2	5
Dr. K. Balamurugan	-	-	-	1	10	2	-	-
Dr. A. Veera Ravi	-	-	-	-	14	-	1	7
Dr. M. Ramesh	4	-	-	-	6	5	7	4
Dr. K. Pandima Devi	1	-	-	-	9	2	-	-
Dr. S. Gowrishankar	-	-	1	-	6	6	-	4

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc.) during 2019-20.

Name of the Scheme	SAP DRS - II			
Thrust Area	1. Antimicrobial compounds from natural sources 2. Screening of Anti-Quorum Sensing, anti-biofilm and anti-cancer agents from marine resources 3. Systems approach to understand the function of these compounds			
Funding Agency	UGC			
Duration	01-04-2018 to 31-03-2023			
Commencement on	01-04-2018			
Total Fund Allotted (Rs. Lakhs)	Rs. 132 Lakhs			
Fund Released so far (Rs. Lakhs)	Rs. 132 Lakhs			
Thrust Area(s)				
Total No. of Project Personnel	-			
Progress / Status	On going			
Remarks	-			

7. Individual Projects

(a) Completed during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. S. Karutha Pandian	01.07.2016	30.06.2019	ITC	Natural actives & <i>In vivo</i> models for health and hygiene applications	83.60
Dr. S. Karutha Pandian	14.05.2015	13.05.2020	DBT (Network)	Programme support on Biotechnology Approaches for Conservation and Sustainable Utilization of Plant Wealth of Western Ghats. Component B: Bioprospecting and Basic Biology. Project B5: Characterization, recombinant expression, process scale up and validation of selected hydrolases from native actino-bacteria for commercial exploitation.	39.20
Dr S. Gowrishankar	2017	2019	UGC, New Delhi	Deciphering the antivirulence mechanism of marine cyclic dipeptides cyclo(L-leucyl-L-prolyl) against <i>Listeria monocytogenes</i> through proteomic approach	10
Dr S. Gowrishankar	2018	2019	AURF Start-Up Grant	Efficacy evaluation of phytochemical(s) from <i>Achyranthes aspera</i> L. (amaranthaceae) against various virulence traits of certain human pathogens	1

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. S. Karutha Pandian	21.07.2019	20.07.2022	BRNS	Assessment & Monitoring of Biofouling Diversity of Cooling Water System of KKNPP & its control	35.636
Dr.K. Balamurugan	09 JUNE 2017	08 JUNE 2020	DBT	Impact of <i>Cronobacter sakazakii</i> infection on the neuroimmunity using multiple model systems, <i>C. elegans</i> and Rat	73.36
Dr. A. Veera Ravi	06.07.2017	05.07.2020	Evolva Biotech Private Limited	Anti-infective and antipathogenic efficacy of resveratrol against quorum sensing mediated virulence and biofilm formation of aquatic pathogens: A promising alternative strategy to antibiotic use in aquaculture	30
Dr. M. Ramesh	(Recommended)		BRNS, Mumbai	Radiation induced enhancement of anticancer triterpenoids of <i>Nilgiranthus ciliatus</i>	28
Dr. K. Pandima Devi	(Recommended)		ICMR, India	Evaluating the neuroprotective effect of Hesperidin Methyl Chalcone against Alzheimer's disease through <i>in silico</i> , <i>in vitro</i> and <i>in vivo</i> approach	15.87
Dr. S. Gowrishankar	2020	2023	ICMR, New Delhi	Identification of potential drug target(s) in <i>Streptococcus mutans</i> : an essential step for developing improved dental care products	19.96
Dr. S. Gowrishankar	28.01.2019	27.01.2021	(RUSA) Centrally Sponsored Scheme. RUSA 2: Theme based research project (4.4.2) in Biological Sciences for Translational Health Research for Human, Animal & Systems (4.4.2.1.2.6)	Isolation and therapeutic characterization of bacteriophages against ESKAPE pathogens	4.69

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Total Number: 07

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National Inter national
				Resource Persons	Papers Presented	
1	9-10, August 2019	A Two-Day Meeting on Environmental Receptivity of Industrial Effluents and Their Influence on Marine Ecology & DAE Technologies for Water Treatment	210	1. Dr. M. Atmanand, Director, NIOT, Chennai. 2. Dr. V. P. Venugopalan, Associate Director, Biosciences Group, BARC, Mumbai 3. Dr. M. Sudhakar, Director, Centre for Marine Living Resources, Kochi 4. Dr. A. C. Anil, NIO, Goa 5. Dr. D. Inbakandan, Satyabama Institute of Science & Technology, Chennai 6. Dr. N. Saravanane, CMLRE, Kochi 7. Dr. P.S. Murthy, BTES, WSCD, BARCF, Kalpakkam 8. Dr. P.K. Pujari, Associate Director, Radio Chemistry Isotope Group, BARC, Mumbai 9. Dr. Sadhana Mohan, Associate Director, Chemical Engineering Group, BARC, Mumbai 10. Dr. Sowmitra Kar, Desalination Division, BARC, Mumbai 11. Dr. Haridas Pal, Associate Director, Chemistry Group, BARC, Mumbai. 12. Dr. Virendra Kumar, RTDD, BARC, Mumbai 13. Dr. S. T. Mehetre, NABTD, BARC 14. Dr T. Subba Rao, Water & Steam Chemistry Division, BARC, Kalpakkam 15. Dr. Virendra Kumar, RTDD, BARC, Mumbai 16. Dr. T.K. Dey, Desalination Division, BARC, Mumbai 17. Prof. Palavesam, Manonmaniam Sundaranar University, Tirunelveli.	-	National
2	09-13, Septe	International Conference	30	1. Dr. Venkateswaran Krishnan, Chief Scientist –	12	Inter national

	mber 2019	cum workshop on "Caenorhabditis elegans based OMICS for Future Challenges		<p>Research and Technology Innovation, ITC-LSTC.</p> <p>2. Prof. K. Dharmalingam, AMRF, Madurai</p> <p>3. Dr. K. Thangaraj, Chief Scientist, CCMB.</p> <p>4. Prof. Kumar Somasundaram, IISc, Bangalore.</p> <p>5. Dr. Chisato ushida, Hiroasaki University, Japan.</p> <p>6. Dr. V. Ravichandiran, NIPER- Kolkata.</p> <p>7. Dr. James P Bhaskar, ITC-LSTC, Bangalore.</p> <p>8. Dr. Sandhya Koushika, TIFR, Mumbai.</p> <p>9. Dr. K. Subramaniam, IIT, Madras.</p> <p>10. Dr. Tewin Tencomnao Chulalongkorn University, Thailand</p> <p>11. Prof. A. K. Munirajan, University of Madras, Chennai.</p> <p>12. Prof. G. Kumaresan, Madurai Kamaraj University, Madurai.</p> <p>13. Dr. J. Jeya Maheshwari, AMRF, Madurai.</p> <p>14. Prof. Anirban Chakraborty from Nitte University, Manglore</p> <p>15. Dr. A. Somasundaram, NIPER- Kolkata</p> <p>16. Dr. K. Emmanuvel Rajan, Bharathidasan University, Thiruchirappalli</p>		
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Total Number: 02

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	07 th August 2019	Special Lectures by Eminent Scientists Series.	Mr. Sangram Pattnaik Thermo fisher Scientific	High Performance Bench – Top Orbital High-Resolution Mass Spectrometer system	78
2	08 th August 2019	Special Lectures by Eminent Scientists	Dr. Sowmyakanti Adhikari Scientific Officer (H+) Homi Bhaba National	Chemistry using ionizing radiation: Present status and future trends	74

		Series.	Institute of Radiation & Photochemistry Division, BARC, Mumbai.		
3	22 nd August 2019	Special Lectures by Eminent Scientists Series.	Dr. T. Subba Rao Head. Biofouling & Thermal Ecology Section, BARC, DAE, Kalpakkam.	Controlling of biofouling in cooling water	64
4		Special Lectures by Eminent Scientists Series.	Dr. Ananakumar Shanmugavel Quantitative Medical Imaging Researcher National Institute of Health (NIH), Bethesda, USA	On the road to understand human brain structure and function	87
5	28 th November 2019	Special Lectures by Eminent Scientists Series.	Dr. K. Thangaraj, Chief Scientist Centre for Cellular & Molecular Biology Hyderabad.	Rheumatic heart disease: Role of genetic susceptibility /resistance to Streptomyces pyogenes infection	47
6	06 th January 2020	-	Mr. U. Prabhakaran Customer Engineer – Application Agilent Technologies India Pvt.Ltd. Chennai.	Technical presentation on GC-MS	74
7	03 rd March 2020	-	Mr. Mukund Joshi Analyst – Field Marketing Beckman Coulter Life Sciences Mumbai.	Basics of Flow Cytometry	93

Total Number: 07

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr. S. Karutha Pandian	Two Day International Conference on "Animals Inspire Innovation"	Seethalakshmi Achi College, Pallathur	03-04, October 2019	Delivered lecture on -Innovative ways to tackle the menace arising from mob psychology of pathogenic bacteria	International
Dr. S. Karutha Pandian	International Conference on	The Biotech Research	20-24, Novem	Delivered lecture on -Deciphering	International

	New Horizons in Biotechnology	Society, Thiruvananthapuram	ber 2019	the target and mechanism of action of anti-infective agents against microbial pathogens through proteomic approaches	
Dr. S. Karutha Pandian	11 th Annual Meeting of Proteomic Society, India, 2019 and International Conference on Proteomics for System Integrated Bio-omics, One Health and Food Safety	ICAR-National Dairy Research Institute, Karnal, Haryana, India	02 – 04, December 2019	Delivered lecture on -Explication of anti-infective potential of bioactives against virulence systems of bacterial and fungal pathogens through proteomic approaches	International
Dr. S. Karutha Pandian	Dr. G. Jayaraman Endowment Lecture	University of Madras, Department of Genetics, Taramani Campus, Chennai	08, January , 2020	Delivered lecture on -Proteomics approach in understanding the anti-infectives mechanism of action	National
Dr. S. Karutha Pandian	9th ILANIT/FISEB (Federation of the Israel Societies for Experimental Biology)	FISEB	16-25, February 2020	Delivered lecture on -Proteomic-driven elucidation of molecular mechanisms of natural bioactives against biofilm mediated virulence in bacterial and fungal pathogens	International
Dr. S. Karutha Pandian	Two Day UGC Workshop on Quality Ascendance in Higher education & Accreditation Preparedness of Affiliated Colleges-Series I of a 'Triad'	IQAC, Alagappa University, Karaikudi	17-18, March 2020	Delivered lecture on -Academic Standards in Higher Education	National
Dr. S. Karutha Pandian	Zoom Webinar Series "Novel Microbes and Newer Threats"	Sathyabama Institute of Science and Technology in association with	20-30, April 2020	Delivered lecture on – Microbial Biofilms and newer threats	International

		Indian Association of Applied Microbiology (IAAM)			
Dr. Balamurugan K.	Conference on 'Current Perspectives of Biochemistry in Health and Diseases'	Department of Zoology, Banaras Hindu University, Varanasi	11- 12, January 2020	Establishing <i>Caenorhabditis elegans</i> as a model for diabetes related studies. A study on aging process using <i>C. elegans</i> as model system.	National
Dr. Balamurugan K.	"International Conference on Proteomics for System Integrated Bio-Omics, One Health and Food Safety".	ICAR-National Dairy Research Institute, Karnal, Haryana and Proteomics Society, India	02-04, December 2019	. Gel-based and gel-free analysis of <i>Caenorhabditis elegans</i> phosphoproteome reveals the involvement of a molecular chaperone, HSP-90 during bacterial infection	International
Dr. Balamurugan K.	60 th Annual Conference of Association of Microbiologists of India (AMI-2019) & International Symposium of Microbial Technologies in Sustainable Development of Energy, Environment, Agriculture and Health	Central University of Haryana, Mahendragarh, Haryana	15 – 18, November 2019	Investigation of <i>Caenorhabditis elegans</i> phosphoproteome unveils the involvement of a molecular chaperone, HSP-90 during bacterial infection. "Wound healing ability and mode of action of pyridine carboxamide oxime using <i>Caenorhabditis elegans</i> wound model".	International
Dr. A. Veera Ravi	6th International conference on Bio-Sensing Technology (BITE)	Elsevier and Institute of Bio-Sensing Technology, UWE Bristol, UK at Malaysia.	16-19, June 2019	Biocompatible carbon quantum dots from <i>Diplocyclos palmatus</i> : A novel on-off-on fluorescence	International

				sensor for cd ²⁺ and fe ³⁺ and sunlight photo catalyst for dye degradation and their toxicity in Zebrafish	
Dr. A. Veera Ravi	2nd International conference on Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM 2019)	Department of Animal Health and Management, Alagappa University, Karaikudi.	24-25, July 2019	Suppression of <i>Candida</i> spp. biofilm formation and virulence by a plant derived compound 2-(2, 4-Dihydroxyphenyl)-3, 5, 7-trihydroxychromone-4-one	International
Dr. A. Veera Ravi	2nd National Conference on Emerging Trends in Materials Science (NCETMS - 2019)	PG & Research Departments of Physics & Chemistry Government Arts College, Tiruvannamalai	26-27 September 2019	The Metal Sensing Behavior of Plant Derived Carbon Dots and Their Metal-Oxide Nanocomposite for Photocatalytic Applications	National
Dr. A. Veera Ravi	International Conference on New Horizons in Biotechnology (NHBT-2019)	The Biotech Research Society, India at Thiruvananthapuram, Kerala, India	20-24, November 2019	Explication of efflux inhibitory potential of plant-derived bioactive compound to abolish crystalline biofilm formation by <i>Proteus mirabilis</i>	International
				Efficacy evaluation of neglected plant <i>Diplocyclos palmatus</i> on quorum sensing mediated infection of <i>Serratia marcescens</i> and UV-A induced photoaging in model <i>Caenorhabditis elegans</i>	
				Studies on antibiofilm and	

				antivirulence efficacies of 2-(2,4-Dihydroxyphenyl)-3,5,7-trihydroxychromone-4-one against <i>Candida</i> spp. and its mechanism of action by transcriptomic approach – an <i>in vitro</i> study	
Dr. A. Veera Ravi	International Conference on Proteomics for System Integrated Bio-Omics, One Health and Food Safety	Proteomics Society, India at Karnal, Haryana, India.	2-4, Decem ber201 9	Quantitative proteomic analysis uncovers the impact of polyphenolic compounds on <i>Proteus mirabilis</i> virulence Evaluation of anti-biofilm potential of Pyrogallol against <i>Acinetobacter baumannii</i> through transcriptomic and proteomics approaches	Inter national
Dr. M. Ramesh	“Van Mahotsava”	Eco Club of Dr. Umayal Ramanathan College for Women	4 th July 2019.	Biotechnology mediated Conservation Methods for Forest Plants	National
Dr. M. Ramesh	UGC Sponsored Refresher Course Biological Sciences	Dept. of Plant Sciences and Dept. of Animal Sciences, Bharathidasan University, Trichy.	17 th July 2019	Development of abiotic stress tolerant indica rice lines IR 64, IR 36 & ADT 43 through Agrobacterium - mediated transformation	National
Dr. M. Ramesh	11 th NABS Conference on Climate Change Driven Challenges on Indian Biodiversity: Innovative	Dept. of Microbiology, Pondicherry University	27, Septem ber 2019	In vitro callus induction and enhancement of squalene, an anticancer phytochemical from <i>Nilgirianthus</i>	National

	Solutions for Sustainable Development			<i>ciliatus</i> – An endemic undershrub of southern Western Ghats	
Dr. M. Ramesh	State Level Intercollegiate Students Seminar (UGC Autonomy grant) on “Plant World: Social Relevance and Environmental Wellbeing”	Dept. of Botany, Thiagarajar College, Madurai	4 th October 2019	Efficient in vitro callus Induction, plant regeneration and <i>Agrobacterium</i> -mediated transformation of <i>indica</i> rice	National
Dr. M. Ramesh	4 th National Conference on Frontiers in Ecobiological Sciences and its Applications (FESA 2019)	School of Life Sciences, Periyar University, Salem	17 th October 2019	<i>Ex situ</i> Conservation and Reintroduction of Nilgirianthus <i>ciliatus</i> - An endemic medicinal shrub of southern Western Ghats	National
Dr. M. Ramesh	International Conference on Innovative and Emerging Trends in Botany (ICIETB 2019)	Department of Botany, Alagappa University	7 th November 2019	Hairy root cultures for enhanced production of commercially important phytochemicals Hairy root cultures for enhanced production of commercially important phytochemicals Construction of Indian Plant Biography Database (IPB) for IUCN red listed threatened Indian medicinal plants Physiological and biochemical changes in Sorghum under combined heavy metal stress: an adaptive defense against oxidative stress	International

Dr. M. Ramesh	11 th International Conference on Proteomics for System Integrated Bio-Omics, One Health and Food Safety	Haryana.	December 02-04, 2019	Global omic analysis of WRKY transcription factor family proteins in <i>Oryza sativa</i> identifies novel players involved in abiotic stress signaling	International
Dr. M. Ramesh	Swachhta Pakhwada – 2020	Centre for Swachh Bharat & Swasth Bharath, Alagappa University	29 th January 2020	Forest Conservation	National
Dr. M. Ramesh	National Siddha Day	Indian Red Cross Society at the Convocation Hall, Alagappa University	09 th January 2020.	Biotechnology mediated conservation of important medicinal plants used in Siddha System of Medicine	National
Dr. M. Ramesh	One Day National Seminar on Emerging Trends in Biotechnology organized by	Dept. of Botany, Madura College, Madurai	22 nd January, 2020.	Tissue culture mediated enhancement of commercially important phytochemicals	National
Dr. M. Ramesh	Environmental Awareness seminar	Wilmot Club, Department of Biotechnology, J J College of Art and Science, Pudukkottai	02 nd March, 2020.	Environmental Awareness and Conservation of Forest Plants	National
Dr. K. Pandima Devi	60th Annual Conference of The Association of Microbiologists of India (AMI- 2019) International Symposium on Microbial Technologies in Sustainable Development of Energy, Environment, Agriculture and Health.	Central University of Haryana, Mahendergarh.	November 15-18, 2019	Thymol induced apoptosis mediated through macromolecular damage in a549 cells.	International
Dr.K. Pandima Devi	Applications of Biotechnology and Nanotechnology	B.S. Abdul Rahman Crescent	30 th September &	pH responsive polymeric nanoparticles for	International

	(ICBN 2019)"	Institute of Science and Technology, Vandakur, Chennai, Tamil Nadu, India in association with University of Missouri, USA	01 st October , 2019	site specific drug delivery.	
Dr. K. Pandima Devi	Nutraceuticals, Herbals Supplements and Nano Formulations (ICNH-2019)	Mahatma Gandhi University, Kerala, India	13-15 September 2019,	Neuroprotective Effect of A-Bisabolol B-DFucopyranoside against B-Amyloid Peptide Induced Oxidative Stress in Neuro 2a Cells.	Inter national
Dr. K. Pandima Devi	Nutraceuticals, Herbals Supplements and Nano Formulations (ICNH-2019)	Mahatma Gandhi University, Kerala, India	13-15 September 2019,	Cytotoxic Effect of Thymol against Non-Small Cell Lung Cancer.	Inter national
Dr.K. Pandima Devi	Molecular Pathology of Neuronal and Glial cell diseases and combating strategies.	Department of Biochemistry, University of Madras, Guindy Campus, Chennai - 25.	20 and 21 August 2019	Neuroprotective effect of hesperidin methyl chalcone as a multifunctional compound against A β 25-35 peptide treatment for Alzheimer Disease.	
Dr. K. Pandima Devi	Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM-2019).	Department of Animal Health and Management, Alagappa University.	24 th and 25 th July 2019,	Ligand decorated pH responsive polymeric nanoparticle for targeted drug delivery.	Inter national
Dr. K. Pandima Devi	20 th Tetrahedron Symposium	Bangkok, Thailand	18-21, June 2019	Dihydroactini diolide target intracellular ROS and apoptotic mechanism to quench A β 25-35 induced neuronal apoptosis in SH-SY5Y cells	Inter national
Dr. S. Gowrishankar	Three days training programme on "Empowering the	National Biopharma Mission (NBM), Department of	3- 5, March 2020	Empowering the Change makers in Biopharma Sector	National

	Change makers in Biopharma Sector”	Biotechnology, GoI, -BIRAC at KIIT-TBI, Bhubaneswar, Odisha			
Dr. S. Gowrishankar	“Bacteriophage Research and Antimicrobial Resistance”	Vellore Institute of Technology, Vellore	12 – 13, December 2019	“Isolation of sewage bacteriophage and its <i>in vitro</i> and <i>in vivo</i> inhibitory efficacy against multidrug-resistant <i>Pseudomonas aeruginosa</i> ”	International
Dr. S. Gowrishankar	International conference on “New Horizons in Biotechnology-2019”	Biotech Research Society, India, CSIR- IIIST, Trivandrum	20- 24, November 2019	“ <i>In vitro</i> and <i>in vivo</i> efficacy evaluation of bacteriophage against multidrug-resistant <i>Pseudomonas aeruginosa</i> ”	International

Total Number: 36

11. (a) Research papers published by the Staff in Refereed Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr. S. Karutha Pandian	Myrtenol attenuates MRSA biofilm and virulence by suppressing sarA expression dynamism	Frontiers in Microbiology 10:2027	4.259	International
Dr. S. Karutha Pandian	Proteomic analysis uncovers the modulation of ergosterol, sphingolipid and oxidative stress pathway by myristic acid impeding biofilm and virulence in <i>Candida albicans</i> .	Journal of Proteomics 208: 103503	3.56	International
Dr. S. Karutha Pandian	5-Dodecanolide interferes with biofilm formation and reduces the virulence of Methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) through up regulation of agr system.	Scientific Reports 9:1-16	4.122	International
Dr. S. Karutha Pandian	Umbelliferone impedes biofilm formation and virulence of methicillin-resistant <i>Staphylococcus epidermidis</i> via impairment of initial attachment and intercellular adhesion	Frontiers in Cellular and Infection Microbiology, 2019,9:357	3.518	International
Dr. S. Karutha	Marine bacterial DNase curtails	Biofouling, 2019,	2.847	Inter

Pandian	virulence and disrupts biofilms of <i>Candida albicans</i> and non- <i>albicans</i> <i>Candida</i> species	35(9):975-85		national
Dr. S. Karutha Pandian	Palmitic acid inhibits the virulence factors of <i>Candida tropicalis</i> : biofilms, cell surface hydrophobicity, ergosterol biosynthesis and enzymatic activity	Frontiers in Microbiology,2020 , 11: 864	4.259	Inter national
Dr. S. Karutha Pandian	Inhibition of Biofilm and Biofilm-associated Virulence factor production in Methicillin-Resistant <i>Staphylococcus aureus</i> by Docosanol	Journal of Biotechnology,2020, 317: 59-69	3.163	Inter national
Dr. S. Karutha Pandian	Piperine impedes biofilm formation and hyphal morphogenesis of <i>Candida albicans</i>	Frontiers in Microbiology,2020 , 11: 756	4.259	Inter national
Dr. S. Karutha Pandian	Global proteomic analysis deciphers the mechanism of action of plant derived oleic acid against <i>Candida albicans</i> virulence and biofilm formation	Scientific Reports,2020, 10(1), 1-17	4.011	Inter national
Dr. S. Karutha Pandian	Systematic assessment of chlorine tolerance mechanism in a potent biofilm-forming marine bacterium <i>Halomonas boliviensis</i>	International Biodeterioration & Biodegradation,2020, 1; 151:104967	3.824	Inter national
Dr. S. Karutha Pandian	Proteomic profiling unveils citral modulating expression of IsaA, CodY and SaeS to inhibit biofilm and virulence in Methicillin-resistant <i>Staphylococcus aureus</i> .	International Journal of Biological Macromolecules, 2020, 158: 208-221	4.784	Inter national
Dr. S. Karutha Pandian	Cloning, expression, homology modelling and molecular dynamics simulation of four domain-containing α -amylase from <i>Streptomyces griseus</i> .	Journal of Biomolecular Structure and Dynamics,2020, 25:1-2	3.310	Inter national
Dr. S. Karutha Pandian	Impediment to growth and yeast-to-hyphae transition in <i>Candida albicans</i> by copper oxide nanoparticles	Biofouling,2020, 36(1):56-72	2.847	Inter national
Dr. S. Karutha Pandian	Ethnomedicines of Indian origin for combating COVID-19 infection by hampering the viral replication: using structure-based drug discovery approach	Journal of Biomolecular Structure and Dynamics,2020, 16:1-6	3.310	Inter national
Dr. Balamurugan K.	Modulation of the host cell mitochondrial proteome by PemKSa toxin protein exposure.	Microbial Pathogenesis ,2020, 140: p103963	2.914	Inter national

Dr. Balamurugan	K.	Understanding the role of p38 and JNK mediated MAPK pathway in response to UV-A induced photoaging in <i>Caenorhabditis elegans</i> .	<i>J Photochem Photobiol B.</i> 2020, DOI: 10.1016/j.jphotobiol.2020.111844 [In Press]	4.067	International
Dr. Balamurugan	K.	<i>Salmonella enterica</i> Serovar Typhi exposure elicits deliberate physiological alterations and triggers the involvement of ubiquitin mediated proteolysis pathway in <i>Caenorhabditis elegans</i> .	<i>International Journal of Biological Macromolecules</i> Vol. 149, Jan 24; 2020;149:215-233. DOI: 10.1016/j.ijbiomac.2020.01.225	4.784	International
Dr. Balamurugan	K.	Analyzing the individual and synergistic effects of antioxidants in combating aging and photoaging using model nematode, <i>Caenorhabditis elegans</i> .	Photochemistry and Photobiology, 2019, 96 (1): 139-147 [DOI: 10.1111/php.13167]	2.721	International
Dr. Balamurugan	K.	<i>In vitro</i> and <i>in vivo</i> efficacy of <i>Caenorhabditis elegans</i> recombinant antimicrobial peptide against Gram-negative bacteria.).	Biofouling, 2019, 35(8):900-921. Doi: 10.1080/08927014.2019.1675048.	2.847	International
Dr. Balamurugan	K.	Unravelling the wound healing ability and mode of action of pyridine carboxamide oxime using <i>Caenorhabditis elegans</i> as potential prescreen wound model.	Life Sciences, 2019, 235:116859; [DOI: 10.1016/j.lfs.2019.116859];	3.647	International
Dr. Balamurugan	K.	Analysis of <i>Caenorhabditis elegans</i> phosphoproteome reveals the involvement of a molecular chaperone, HSP-90 protein during <i>Salmonella enterica</i> Serovar Typhi infection.	<i>International Journal of Biological Macromolecules</i> , 2019, 137:620-646. https://doi.org/10.1016/j.ijbiomac.2019.06.085 ;	4.784	International
Dr. Balamurugan	K.	Proteomic analysis of <i>Caenorhabditis elegans</i> mitochondria during bacterial infection.	<i>Mitochondrion</i> , 2019, S1567-7249(18)30138-7; DOI: 10.1016/j.mito.2019.03.002.	3.992	International
Dr. Balamurugan	K.	Global proteomic response of <i>Caenorhabditis elegans</i> against PemK _{Sa} toxin.	<i>Frontiers in Cellular and Infection Microbiology</i> , 2019	3.518	International

		9:172;DOI: 10.3389/fcimb.20 19.00172		
Dr. Balamurugan K.	Understanding the role of DAF-16 mediated pathway in <i>Caenorhabditis elegans</i> during UV-A mediated photoaging process.	Archives of Gerontology and Geriatrics May-Jun 2019; 82:279-285. Doi: 10.1016/j.archger.2019.03.011.	2.241	Inter national
Dr. Balamurugan K.	Identification of differentially regulated proteins of <i>Caenorhabditis elegans</i> during <i>Salmonella enterica</i> Serovar Typhi exposure using Mass Spectrometry.	Journal of Proteins and Proteomics, 2020, DOI: 10.1007/s42485-020-00033-y.	-	National
Dr. A. Veera Ravi	Metal sensing-carbon dots loaded TiO ₂ nanocomposite for photocatalytic bacterial deactivation and control acute-hepatopancreatic necrosis disease (AHPND) in aquaculture	Scientific Reports (2020 Jul 30; 10(1): 1-6. ISSN 2045-2322)	3.998	Inter national
Dr. A. Veera Ravi	Quinolines-Based SARS-CoV-2 3Clpro and RdRp Inhibitors and Spike-RBD-ACE2 Inhibitor for Drug-Repurposing Against COVID-19: An in-silico Analysis	Frontiers in Microbiology (2020 Jul 23; 11: 1796. ISSN 1664-302X)	4.235	Inter national
Dr. A. Veera Ravi	Attenuation of <i>Proteus mirabilis</i> colonization and swarming motility on indwelling urinary catheter by antibiofilm impregnation: an <i>in vitro</i> study	Colloids and Surfaces B: Biointerfaces (2020 Jun 18: 111207. ISSN 0927-7765)	4.389	Inter national
Dr. A. Veera Ravi	2-Hydroxy-4-methoxybenzaldehyde from <i>Hemidesmus indicus</i> is antagonist to <i>Staphylococcus epidermidis</i> biofilm formation	Colloids and Surfaces B: Biointerfaces (2020 Jun 18: 111207. ISSN 0927-7765)	2.351	Inter national
Dr. A. Veera Ravi	Fabrication of heteroatom doped NFP-MWCNT and NFB-MWCNT nanocomposite from imidazolium ionic liquid functionalized MWCNT for antibiofilm and wound healing in Wistar rats: Synthesis, characterization, <i>in-vitro</i> and <i>in-vivo</i> studies	Materials Science and Engineering: C (2020 Feb 29: 110791. ISSN 0928-4931)	5.88	Inter national
Dr. A. Veera Ravi	Fungal Pigments: Potential Coloring Compounds for Wide Ranging Applications in Textile Dyeing	Journal of Fungi (2020 Jun; 6(2): 68. ISSN 2309-608X)	4.621	Inter national

Dr. A. Veera Ravi	Anti-proliferative and anti-migratory effects of flower-like bimetallic (Au@ Pt) nanoparticles	Materials Letters (2020 May 15; 267: 127491. ISSN 0167-577X)	3.204	Inter national
Dr. A. Veera Ravi	Selection and characterization of extracellular enzyme production by an endophytic fungi <i>Aspergillus sojae</i> and its bio-efficacy analysis against cotton leaf worm, <i>Spodoptera litura</i>	Current Plant Biology (2020 May 4: 100153. ISSN 2214-6628)	-	Inter national
Dr. A. Veera Ravi	Mycosynthesis of anticancer drug taxol by <i>Aspergillus oryzae</i> , an endophyte of <i>Tarenna asiatica</i> , characterization, and its activity against a human lung cancer cell line	Biocatalysis and Agricultural Biotechnology (2020 Mar 1; 24: 101525. ISSN 1878-8181)	-	Inter national
Dr. A. Veera Ravi	Explication of the potential of 2-hydroxy-4-methoxy benzaldehyde in hampering uropathogenic <i>Proteus mirabilis</i> crystalline biofilm and virulence	Frontiers in Microbiology (2019; 10: 2804. ISSN 1664-302X)	4.235	Inter national
Dr. A. Veera Ravi	Protective effect of neglected plant <i>Diplocyclos palmatus</i> on quorum sensing mediated infection of <i>Serratia marcescens</i> and UV-A induced photoaging in model <i>Caenorhabditis elegans</i>	Journal of Photochemistry and Photobiology B: Biology (2019 Dec 1; 201: 111637. ISSN 1011-1344)	4.383	Inter national
Dr. A. Veera Ravi	<i>Hemidesmus indicus</i> , a traditional medicinal plant, targets the adherence of multidrug resistant pathogens to form biofilms	Biocatalysis and Agricultural Biotechnology (2019 Sep 1; 21: 101338. ISSN 1878-8181)	-	Inter national
Dr. A. Veera Ravi	Anti-virulence potential of 2-hydroxy-4-methoxybenzaldehyde against methicillin-resistant <i>Staphylococcus aureus</i> and its clinical isolates	Applied Microbiology and Biotechnology (2019 Aug 16; 103(16): 6747-6758. ISSN 0175-7598)	3.530	Inter national
Dr. A. Veera Ravi	The control of microbially induced corrosion by methyl eugenol—A dietary phytochemical with quorum sensing inhibitory potential	Bioelectrochemistry (2019 Aug 1; 128: 186-192. ISSN 1567-5394)	4.772	Inter national
Dr. M. Ramesh	Global integrated omics expression analyses of abiotic stress signaling HSF transcription factor genes in <i>Oryza sativa</i> L.: An <i>in-silico</i> approach	Genomics (Elsevier), (Online: 06 June, 2019. 112(1), 908 – 918 (DOI.org/10.1016/	6.205	Inter national

		j.ygeno.2019.06.006)		
Dr. M. Ramesh	Genetic diversity analysis reveals strong population structure in Sorghum germplasm collection.	Proceedings of the National Academy of Sciences, India Section B: Biological Sciences., India, Sect.B Biol.Sci (Online 05 April, 2020). 90(1) 179 – 190 (DOI:10.1007/s40011-019-01095-9	0.396	National
Dr. M. Ramesh	In vitro propagation phytochemical and neuropharmacological profiles of <i>Bacopa monnieri</i> (L.) Wettst.: A Review	Plants (MDPI) (Online 26 March, 2020), 9, 411; doi:10.3390/plants9040411	2.762	International
Dr. M. Ramesh	<i>Bacopa monnieri</i> and Their Bioactive Compounds Inferred Multi-Target Treatment Strategy for Neurological Diseases: A Cheminformatics and System Pharmacology Approach,	Biomolecules (Online: 02, April 2020) 10, 536; doi:10.3390/biom10040536		
Dr. M. Ramesh	Global transcriptome analysis of novel stress associated protein (SAP) genes expression dynamism of combined abiotic stresses in <i>Oryza sativa</i> (L.).	Journal of Biomolecular Structure & Dynamics (Taylor & Francis). (10 April, 2020). https://doi.org/10.1080/07391102.2020.1747548	3.310	International
Dr. M. Ramesh	Evaluations of Biosynthesized Ag nanoparticles via <i>Allium Sativum</i> flower extract in biological applications.	Applied Nanoscience (Springer, Switzerland) https://doi.org/10.1007/s13204-020-01463-2	3.198	International
Dr. K. Pandima Devi	Phytol loaded PLGA nanoparticles ameliorate scopolamine induced cognitive dysfunction by attenuating acetylcholinesterase activity, oxidative stress and apoptosis in Wistar rat.	Nutritional Neuroscience, 2020 May 14;1-17.	IF-3.765	International
Dr. K. Pandima Devi	Deciphering the anti-apoptotic potential of α -bisabolol loaded solid lipid nanoparticles against A β induced neurotoxicity in Neuro-2a cells.	Colloids and Surfaces B: Biointerfaces, 2020 Jun;190:110948	IF-3.973	International

Dr. K. Pandima Devi	Phytol loaded PLGA nanoparticles regulate the expression of Alzheimer's related genes and neuronal apoptosis against amyloid- β induced toxicity in Neuro-2a cells and transgenic <i>Caenorhabditis elegans</i> .	Food and Chemical Toxicology, 2020 Feb;136:110962.	IF-3.775	International
Dr. K. Pandima Devi	Shanmuganathan B, Sathya S, Balasubramaniam B, Balamurugan K, Devi KP. Amyloid- β induced neuropathological actions are suppressed by <i>Padina gymnospora</i> (Phaeophyceae) and its active constituent α -bisabolol in Neuro2a cells and transgenic <i>Caenorhabditis elegans</i> Alzheimer's model	Nitric Oxide, 2019 Oct 1;91:52-66.	IF-3.371	International
Dr. K. Pandima Devi	Jeyakumar M, Sathya S, Gandhi S, Tharra P, Suryanarayanan V, Singh SK, Baire B, Devi KP (2019). α -bisabolol β -D-fucopyranoside as a potential modulator of β -Amyloid peptide induced neurotoxicity: an in vitro&in silico study.	Bioorganic Chemistry, 2019 Jul;88:102935.	IF-3.929	International
Dr. K. Pandima Devi	Daucosterol disturbs redox homeostasis and elicits oxidative-stress mediated apoptosis in A549 cells via targeting thioredoxin reductase by a p53 dependent mechanism.	European Journal of Pharmacology, 2019 Jul 15;855:112-123.	IF-3.040	International
Dr. K. Pandima Devi	A Potential Therapeutic Target of Polyphenols in Hepatocellular Carcinoma.	Cancers, 2020 Feb 29;12(3):562.	6.162	International
Dr. K. Pandima Devi	Therapeutic potential of polyphenols in cardiovascular diseases: regulation of mTOR signaling pathway.	Pharmacological Research, 2020 Feb;152:104626.	5.574	International
Dr. K. Pandima Devi	Phosphodiesterase inhibitors say NO to Alzheimer's disease.	Food and Chemical Toxicology, 2019 Dec;134:110822.	IF-3.775	International
Dr. Gowrishankar S.	Global multi-omics and systems pharmacological strategy unravel the multi-targeted therapeutic potential of natural bioactive molecules against COVID-19: An in-silico approach.	Genomics, 2020, 112 (6) 4486-4504	6.205	International
Dr. Gowrishankar S.	Versatility of hydrophilic and antifouling PVDF ultrafiltration membranes tailored with polyhexanide coated copper oxide nanoparticles.	Polymer Testing, 2020, 84, 106367.	3.275	International

Dr. Gowrishankar	S.	Influence of phosphotungstic acid in sulfonated poly (ether ether ketone)/poly (amide imide) based proton conductive membranes and its impact on the electrochemical studies of microbial fuel cell application.	Ionics,2020, 26, 1841- 1852	2.394	Inter national
Dr. Gowrishankar	S.	Marine algae – a potential resource for anti-HSV molecules.	Processes, 2019, 7(12), 887; doi.org/10.3390/pr7120887	2.753	Inter national
Dr. Gowrishankar	S.	Marine bacterial Dnase curtails virulence and disrupts biofilms of Candida albicans and non-albicans Candida species	Biofouling,2019, 974- 985. doi.org/10.1080/08927014.2019.1680650	2.847	Inter national
Dr. Gowrishankar	S.	Highly permeable, antifouling and antibacterial poly (ether imide) membranes tailored with poly (hexamethylene biguanide) coated copper oxide nanoparticles.	Materials Chemistry and Physics ,2020, 240, 122224	3.408	Inter national

Total Number: 59

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr. S. Karutha Pandian	Role of Bacteria in Dermatological Infections. In: "Pocket Guide to Bacterial Infections" Pages 279-318. Book series on "Pocket Guide to Biomedical Sciences".	CRC Press (Taylor & Francis Group).
Dr. S. Karutha Pandian	Bacteriology of Ophthalmic Infections. In: "Pocket guide to Bacterial Infections". Pages 319-364. Book series on "Pocket Guide to Biomedical Sciences".	CRC Press (Taylor & Francis Group).
Balamurugan K	Overview of Multifaceted Role and Significance of Heat Shock Proteins during Inflammation, Apoptosis and Other Diseases. In Heat Shock Proteins Book. (Accepted).	Springer Nature
Balamurugan K	Role of Heat Shock Factors in Diseases and Immunity. In Heat Shock Proteins Book. (Accepted).	Springer Nature
Dr. M. Ramesh	Chapter 1: Transgenic Plant Cell Cultures: A Promising Approach for Secondary Metabolite Production. Chapter 2: Hairy root cultures as an alternative source for the production of high – value secondary metabolites In: Natural Bio-active Compounds Biotechnology, Bioengineering, and Molecular Approaches. Doi: 10.1007/978-981-13-7438-8	Editors: M S Akhtar & M K Swamy. 1st Edition, Springer Nature Singapore. October 2019. EBook ISBN: 978-981-13-7437-1

Dr. M. Ramesh	Integrating Bioinformatics and Omics tools for systems analysis of abiotic stress tolerance in <i>Oryza sativa</i> (L.). In: Advances in Plant Transgenics: Methods and Applications.	Editors: R. Sathishkumar, S. Rajeev kumar, J. Hema, V. Baskar. doi.org/10.1007/978-981-13-9624-3 . 1 st Edition, November 25, 2019. Springer Nature Singapore. ISBN 978-981-13-9623-6
Dr. M. Ramesh	Abiotic stress and applications of Omics approaches to develop stress tolerance in Agronomic crops In: Agronomic Crops: Stress Responses & Tolerance	Editor: Mirza Hasanuzzaman. https://doi.org/10.1007/978-981-15-0025-1_26 . November 2019 Springer Nature Singapore Pvt. Ltd. 2020
Dr. M. Ramesh	Development of pesticide resistance in pests: A key challenge to the crop protection and environmental safety In: Pesticides in Crop Protection: Physiological and Biochemical Action.	Editors: Prabhat Kumar Srivastava, Vijay Pratap Singh, Anita Singh, Durgesh Kumar Tripathi, Samiksha Singh, Sheo Mohan Prasad, & Devendra Kumar Chauhan. February 10, 2020 John Wiley & Sons Ltd, USA. ISBN 9781119432197.
Dr. K. Pandima Devi	Emulsifiers	Bentham Science/ 978-981-14-4611-5
Dr. K. Pandima Devi	Flavour Enhancers	Bentham Science/ 978-981-14-4611-5

Total Number: 8

12. Awards /Prizes /Medals won by Staff Members during 2019-20

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
Dr. A. Veera Ravi	Distinguished Professor Award	DK international Research Foundation (DKIRF Awards -2019)	-

13. Details of Patent / IPR during 2019-20

Name of the Faculty	Patent / Copyright Details	Registration Details
Dr. S. Karutha Pandian	Synergistic anti-biofilm activity of phytochemicals against methicillin resistant <i>Staphylococcus aureus</i> and <i>Acinetobacter baumannii</i>	PD038422IN-SC (IDF Submitted)
Dr. S. Karutha Pandian	Combinatorial strategy of phytochemicals for their antibiofilm and antihyphal effectuality	PD038424IN-SC (IDF Submitted)
Dr. S. Karutha Pandian	Synergistic antibiofilm and antihyphal combination of phytochemicals for oral candidiasis	PD038423IN-SC (IDF Submitted)
Dr. S. Karutha Pandian	Synergistic combination of phytochemicals with surface cleaning applications in healthcare settings	PD038420IN-SC (IDF Submitted)
Dr. S. Karutha Pandian	Phytochemicals exhibiting Antibiofilm activity	202041002711 (Filed)
Dr. S. Karutha Pandian	Anti-biofilm composition of phytochemicals	202041002710 (Filed)
Dr. S. Karutha Pandian	Anti-biofilm composition of phytochemicals and implementations thereof	202041017519 (Filed)

Dr. S. Karutha Pandian	Synergistic anti-biofilm activity of phytochemicals against methicillin resistant <i>Staphylococcus aureus</i> and <i>Acinetobacter baumannii</i>	PD038422IN-SC (IDF Submitted)
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14. (a) Consultancy by Faculty Members during 2019-20

Name of Faculty	Nature of Consultancy	Institution	Value (Rs. Lakhs)	Outcome
Dr. A. Veera Ravi	Industrial sponsored research project	Alagappa University	22.26	Filed two provisional patents against EMS in shrimp.
Dr. A. Veera Ravi	Industrial sponsored research project	Alagappa University	30.00	The anti-virulent and anti-infective properties of Resveratrol will be assessed against aquatic microbial pathogens.

14. (b) Collaborative Assignments by Department / Faculty during 2019-20

Name of Faculty	Collaborating Institution	Thrust Area	Outcome	Intrinsic Value (Rs. Lakhs)
Dr. S. Karutha Pandian	JNTBGRI, Palode and NIIST, Thiruvananthapuram	Programme support on Biotechnology Approaches for Conservation and Sustainable Utilization of Plant Wealth of Western Ghats. Component B: Bioprospecting and Basic Biology. Project B5: Characterization, recombinant expression, process scale up and validation of selected hydrolases from native actinobacteria for commercial exploitation.	Ongoing	39.20
Dr. K. Balamurugan	Bharathidasan University, Trichy	Impact of Cronobactersakazakii infection on the neuroimmunity using multiple model systems, C. elegans and Rat	Ongoing	73.36

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
01.06.2019	Alumni Meet	Biotech Seminar Hall, Science Campus, Alagappa University	54
01.06.2019	Parents Teachers Meet	Biotech Seminar Hall, Science Campus, Alagappa University	42
20.09.2019 – 22.09.2019	Village Extension Programme (VEP) – 2019	Nachiapuram	30+2
07.08.2019	Swachh Bharat Activities	Student Representatives have participated in Orientation program and year plan meeting with vice	2

		chancellor for University Swach Bharat volunteers on August 7th,2019	
14.08.2019		Volunteered for the first Medical Camp inaugurated by our Honourable Vice Chancellor on August 14th at Alagappa Model School	2
29.08.2019		Volunteered for Health and hygiene awareness camp at Sakkavayal Govt. School	2
29.01.2020	Swachhta Pakhwada - 2020	1.Theme - Forest Conservation (29.01.2020) i) Slogan writing - Kannan C. I - Prize ii) Poster making - Pavithra P. II - Prize 2.Theme - Energy Conservation and Waste recycling (30.01.2020) i) Speech competition - S. Adarshan -III Prize	20
17.10.2019	Centre for Swachh Bharat and Department of Tourism and Hotel management	Jointly organize UGC initiative Rashtriya Poshan Maah to create awareness among student about poshtik Aahar. Theme - Preparation of Best nutritional food for adolescent girls Saranya Devi T. Kalaivani S. Saranya won Cooking competition	2
18 th – 20 th October, 2019	ALUTES 2019 i) Rajasekar - II Prize - Mimicry ii)Adarshan S. - II Prize - Collage iii)Durga Devi A. - III Prize - Rangoli	Alagappa University	60
December 18 th - 22 nd , 2019,	35 th South Zone Inter University Youth Festival 2019, (ALAGU FEST-2019)	Alagappa University	01
3 rd to 7 th February, 2020	35 th inter university national youth festival (amity utsav 2020)	Amity University, Noida	01

28 th February, 2020	3rd prize in variety event - CASCALL 2020	PSG CAS, Coimbatore	01
07 March, 2020	1 st prize in variety event - organized by Manavar manram at Euphoria 2020	PSG CAS, Coimbatore.	01

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	-	-
VOC/PMT Scholarship awarded	6	-
Education Loans from Bank	-	-

17. Placement of students / Scholars during 2019-20

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
M.Sc.,	16	12,000 – 20,000
Ph.D.,	9	55,000 to 2.5 lakhs

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	13927 sq. meter	Laptops	7	Wi-Fi unit	4
Air Conditioners	42	LCD projector	04	Podium	3
Generator/Inverter	02	Xerox machine	2	Interactive board	2
Fax Machines	01	Printers	8		
Computers	57	Phones (including intercom)	17	Others (specify)	-
i) Conference Table with Wire Manager (16-Seater)	1 No.	-	-	-	-
ii) Mid Back Chair	16 Nos.				
iii) Hi Back Chair	2 Nos.				

19. Laboratory facilities

(a) Equipment / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
12V 65AH Quanta VRLA/SMF Batteries - 60 Numbers	264240
Refrigerated Incubator Shaker - Orbitek LE	330000
Refrigerated Incubator Shaker - Orbitek LE	330000
Bench Top Cooling Micro Centrifuge	125160
Vertical Electrophoresis Power Supply	144488
HP Spectre x360 laptop	109000

19 (b) Equipment's/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
Fluorescence Microscope (Eclipse)	1017190 (JPY1443100)
GC-MS-MS - G7011BA-7000D Quadrupole MS/MSEI/CIBundle with accessories	6937000
Automated Cell Counter & Inverted Microscope	669223

20. Special Features of the Department / Centre / College

iii.	Many of the full time Ph.D., scholars are availing Fellowships from agencies such as DST, DBT, UGC, DAE, BRNS, ICMR , RUSA 2.0, etc.,
liii.	All the Faculty members are undertaking sponsored research Projects
liv.	The Department houses a DBT, Govt. of India funded Bioinformatics Centre as National Facility
lv.	The Department has published 58 research papers in peer reviewed International journals
lvi.	The Department has been nationally recognized by various funding agencies through the schemes such as DST-FIST (Level I, Phase I 2009-14; Level II, Phase II 2016-21), UGC-SAP (DRS I 2011- 2016, DRS-II 2017-2022), DST-PURSE (Phase I 2011-2015, Phase II 2016-2019).

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Importance is given to practical, summer training and project work training which paves the way for better placement
ii	Scholars and students are being involved in industrial oriented projects
iii	Many National and International journals are subscribed to the Department Library and access through e-journals via UGC-INFONET

20. DEPARTMENT OF ANIMAL HEALTH & MANAGEMENT

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. B. Vaseeharan	Professor and Head	M.Sc., M.Phil., Ph.D.,	26-05-2008
Dr. P. Srinivasan	Associate Professor	M.Sc., Ph.D.,	31.07.2015
Dr. N. M. Prabhu	Assistant Professor	M.Sc., Ph.D.,	30-05-2008
Dr. M. Biruntha	Assistant Professor	M.Sc., M.Ed., M.Phil., Ph.D.,	30.01.2016
Dr. V. Nithya	Assistant Professor	M.Sc., M.Phil., M.B.A., Ph.D	30.01.2016
Dr. P. Kumar	Assistant Professor	M.Sc., Ph.D.,	30.01.2016

Total Number: 6 No. of faculty with Ph.D: 6 No of faculty with IT Skills: 6

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
N. Alagappan	Office Assistant	SSLC

Total Number: 1 No. of Non-teaching Staff with IT skills: -

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	3	-	1	-	1	1	-	6
Addition during 2019-20 Nil									

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	-	-	1	-	-	-	-	1
Addition during 2019-20 - Nil									

3. (a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc. Zoology	ii	M.Phil. Zoology
iii	Ph.D. Zoology	iv	

3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert/Dip./PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Zoology	54	-	02	01	01	-	17	03	05	30
M. Phil Zoology	02	-	-	-	-	-	01	-	01	02
Total	56	-	02	01	01	-	18	03	06	32

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc. Zoology	-	01	-	01	01	05	05	06	19
Total	-	01	-	01	01	05	05	06	19

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil.	-	-	-	-	-	1	-	1	2

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	-	-	-	-	-	1	1	1	3
Ph.D. (Part-Time)	-	-	-	-	-	-	-	-	-

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
PG-I Year	-	-	-	-	Kerala	-	01	01	01

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	02	01	01	04	01	17	03	05	26
PG-II Year	-	01	-	01	02	01	05	05	06	17
M. Phil.	-	-	-	-	-	-	01	-	01	02
Ph.D.	-	-	-	02	-	01	02	-	-	05
Total	-	03	01	04	06	03	25	08	12	50

Grand Total: 50

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	02	01	01	04	01	17	03	04	25
PG-II Year	-	01	-	01	02	01	05	05	06	17
M.Phil.	-	-	-	-	-	-	01	-	01	02
Ph.D.	-	-	-	02	-	01	02	-	-	05
Total	-	03	01	04	06	03	25	08	11	49

Grand Total: 49

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	745	262	1007	2,00,000
Indian Journals	-	-	-	
International Journals	-	-	-	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed	Funded Projects Completed	Research Publications	Conferences / Seminars Workshops attended
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	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr. B. Vaseeharan	2	-	Nil	-	12	-	-	5
Dr. P. Srinivasan	-	-	Nil	-	2	-		3
Dr. N. M. Prabhu	-	1	Nil	-	13	-		5
Dr. M. Biruntha	-	1	Nil	-	10	-		10
Dr. V. Nithya	-	-	Nil	-	9	-		3
Dr. P. Kumar	-	-	Nil	-	10	-		5

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc) during 2019-20.

Name of the Scheme	DST PURSE programme			
Title				
Funding Agency	Department of Science and Technology			
Duration	Four Years			
Commencement on	2017			
Total Fund Allotted (Rs. Lakhs)	253.75 lakhs			
Fund Released so far (Rs. Lakhs)	-			
Thrust Area(s)	Aquaculture			
Total No. of Project Personnel				
Progress / Status	Ongoing			
Remarks				

7. Individual Projects

7. (a) Completed during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr.B.Vaseeharan	2015	2019	(DBT) - New Delhi, India	Genome characterization and mRNA transcript analysis of novel immune related genes α 2 macroglobulin and serine proteinase from <i>Feneropenaeus indicus</i>	57.8

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. B. Vaseeharan Professor and Head	2018	2020	RUSA 2.0-ALU	Biomaterials and biotechnology in animal health	4.50
Dr. B. Vaseeharan Professor and Head (Collaborative Project)	2019	2020	DBT-BIRAC	Development of marine polysaccharides mediated nanoproducts for shrimp disease management	15
Dr. B. Vaseeharan Professor and Head (Mentor NPDF Project)	2018	2020	SERB-DST	Evaluation of anti-vibrio efficacy of conjugated seaweed polysaccharide in shrimp <i>Litopenaeusvannamei</i>	19.20
Dr.P.Srinivasan Associate Professor	2018	2020	RUSA 2.0-ALU	Characterisation of Vibrio phage from aquatic environs (Phage Therapy)	4.50

Dr.N.M.Prabhu Assistant Professor	2018	2020	RUSA 2.0- ALU	Isolation of therapeutic potential sulfated polysaccharides from marine macroalgae for Human and Animal Health	4.50
Dr. M. Biruntha Assistant Professor	2018	2020	RUSA 2.0- ALU	Fungicidal activity of Humic and Fulvic acid fraction isolated from the vermiproduct against human pathogen Malassezia species	4.50
Dr. V. Nithya Assistant Professor	2018	2020	RUSA 2.0- ALU		4.50
Dr. P. Kumar Assistant Professor	2017	2019	RUSA 2.0- ALU	Development of evidence-based nanomedicines targeting human breast cancer cell line(s).	4.50
	2018	2021	DST-SERB, New Delhi	Development of surface-charge impregnated plasmonic gold nanoprobe for enhanced photodynamic therapy and mitochondrial dysfunction in human breast cancer cell line(s)	38.73
	2017	2019	(UGC)- New Delhi, India	Role of Aaptamine-Conjugated Gold Nanorods in Mitochondrial Dysfunction of Human Breast Cancer Cell Lines (PI)	10.00
	2017	2020	DST-SERB, New Delhi	Molecular insights of platinum conjugated doxorubicin theranostic system targeting apoptosis-mediated genomic instability in breast cancer cell line(s) (PI)	24.00

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	24 th & 25 th July, 2019	2 nd International Conference on "Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM 2019)"	250	7	45	International
2	10th February 2020.	One day workshop on "Solid Waste Management through Vermicomposting"	20	1	-	Workshop

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	13th Aug	Alagappa University	Dr. BalasubramaniRavin	" Antibiotic residues in Livestock	65

	ust 2019		dran , Department of Environmental Energy and Engineering, Kyonggi University Youngtong-Gu, Suwon, Gyeonggi-Do, 16227, South Korea	waste: Public health risk and waste management practices "	
2	28th January 2020	Alagappa University	Dr. J. Sivakamavalli, Ph.D., Post Doctoral Fellow, Fisheries Division, Chonnam National University, South Korea	"Exploring the role of shrimp and WSSV miRNAs in host-virus interactions"	70

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date	Topic of papers presented/ Attended	National / International
Dr.B.Vaseeharan					
1	1st International conference on "Recent advancement of biomolecule inventions- RABI 2019	Holy Cross College (Autonomous), Nagercoil, Tamilnadu, India.	26th & 27th July 2019,	<p>Identification of bioactive compounds from the haemolymph of Portunuspelagicus and its antibiofilm potential</p> <p>Identification, characterization and antimicrobial activity of haemoctanin purified from the haemolymph of Portunuspelagicus</p> <p>Antibacterial activity and antioxidant potential of hemocyanin extracted from haemolymph of mud crab Scylla olivacea"</p> <p>Identification, characterization and immune response of prophenoloxidase from the blue swimmer crab Portunuspelagicus and its antibiofilm activity"</p> <p>Identification of potential antimicrobial from the haemolymph of crab against antibiotic resistant pathogens</p> <p>Synthesis, characterization of zinc oxide nanoparticles using Acoruscalamus and efficacy against mosquito vectors</p> <p>Purification of β-glucan binding protein from Scylla serrata and its antibacterial assessment</p> <p>Bacteriostatic and larvicidal</p>	International

				significance of phytofabricated ZnONPs towards <i>Cx. quinquefasciatus</i> larvae and clinical pathogens	
				Ecofriendly adhesive protein-coated ZnO nanoparticles using <i>Stichodactylahaddoni</i> : antioxidant, antibacterial properties	Inter national
				The impacts of metal under ocean acidification: Single and combined effects of selenium on mussel, <i>Mytilusgalloprovincialis</i>	
2	2nd international conference on Molecular physiology, therapeutics and experimental medicine (MP-TEM 2019)	Alagappa University, Karaikudi, Tamilnadu, India.	24th & 25th July 2019,	<p>β-1,3- glucan binding protein capped silver nanoparticles; antibacterial and antibiofilm potential against Gram positive <i>Enterococcus faecalis</i> and Gram negative <i>Pseudomonas aeruginosa</i></p> <p>Purification, characterization, functional and antimicrobial activity of haemocyanin from the haemolymph of <i>Penaeussemisulcatus</i>"</p> <p>Identification, characterization and immune response of prophenoloxidase from the blue swimmer crab <i>Portunuspelagicus</i> and its antibiofilm activity</p> <p>Microbial capsular polysaccharide capped Se NPs- enhanced antibiofilm and antioxidant efficacy against aquatic pathogens"</p> <p>Extraction of β-glucan from yeast & its non-toxic assessment</p> <p>Synthesis of ZnO nanoparticles using <i>Costusigneus</i> leaf extract: antibiofilm and antioxidant properties"</p> <p>Enhanced immune response and disease resistance of <i>Litopenaeusvannamei</i> against <i>Vibrio alginolyticus</i> fed diets supplemented with sodium alginate"</p>	Inter national
3	9th International Conference on Marine pollution and Ecotoxicology	Hongkong, China.	10-14th June, 2019,	<p>Influence of different temperature on the effects induced by selenium in silver pompano</p> <p>Influence of salinity on the biochemical response in <i>Trachinotusblochii</i> exposed to selenium</p>	

Dr.P.SriniVasan					
1	2nd International Conference on "Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM 2019)"	Dept of Animal Health & Management Alagappa University	24th & 25th July, 2019	Histopathological and ultrastructural biomarkers in Pernaviridis for the assessment of biological effects of heavy metals in Ennore estuary, Chennai, South east coast of India	Inter national
				An integrated approach of tissue level biomarkers of metal toxicity in fish Scomberoidestol, crab Charybdis granulata and shrimp Penaeusmonodon from Thuthukudi, South East Coast of India	
				Studies on the effect of zinc on bioaccumulation and histopathological alterations during different phases of reproduction in the clams Gafrariumtumidum (Roding, 1978)	
				Antibiotics resistance pattern of Vibrio cambellii from aquatic environment	
2	International Conference on Recent Trends in Bioplastics (RTB-2019)	Dept of Microbiology, Alagappa University	9th & 10th Decem ber 2019	Effect of microplastic ingestion on the cytopathological perturbation in Pernaviridis collected from Ennore estuary, Chennai	Inter national
				Microplastics increasing the bacterial load and biocontrol effect of Vibrio damsela phages against Vibriosis in marine environment	
Dr.N.M.Prabhu					
1	International conference on Recent Trends in Bioplastic (RTB-2019), Karikudi	Department of Microbiology, Alagappa University	9th & 10th Decem ber, 2019	Participated	Inter national
2	One day workshop on Water Conservation, Karaikudi	JalSakthi & Environmental Awareness Club-RUSA 2.0	22nd Novemb er 2019	Participated	National
3	Innovative and Emerging Trends in Botany	Department of Botany, Alagappa	06th– 07th Novemb er,	Co-Chairperson for a Technical Session	Inter national

	(ICIETB-2019), Karaikudi	University	2019.		
4	Molecular Physiology, Therapeutics and Experimental Medicine (MP- TEM-2019), Karaikudi	Departme nt of Animal Health and Managem ent, Alagappa University	24th- 25th July, 2019.	Co-Chairperson for Oral presentation	Inter national
				Facile synthesis of gold nanoparticles using green algae Caulerpasertularioides and its activity against HT-29 human colon cancer cells	Inter national
Dr.M.Biruntha					
1	2nd International conference on “Molecular Physiology,Therapeut ics and Experimental medicine”	Dept.of Animal Health and Management, Alagappa University.	24th and 25th July 2019	Potential utilization of Ulvalactuca for vermicomposting using epigeic Earthworm Eudriluseugeniae	Inter national
				Acute toxicity of malathion pesticide in the earthworm Perionyxexcavatus	
				Anti-nephrotoxic effect of AgNps synthesized from Tinosporacordifolia in swiss albino mice (Balb/c)	
2	International Workshop on Biomedical Applications in Translational Research (BATR – 2019)	Department of Biomedical science & Health Care Centre, Alagappa University.	6th & 7th June 2019	Attended	Inter national
3	International conference on Computational sciences	Dept.of Computer science, Alagappa University.	23rd &24th October 2019	Dye Degrading Efficiency Of Microorganisms Isolated From Dye Contaminated Soil	Inter national
4	International conference on Innovative and Emerging Trends in Botany	Dept.of Botany, Alagappa University.	6th & 7th Novembe r 2019	Evaluation Of Acid Red Azo Dye Toxicity On Exotic Earthworm, EudrilusEugeniae	Inter national
5	9th National Conference on Natural Sciences,	Pushkaram college of Agriculture scienvcs and Bose science society,Pudukk ottai.	24th August 2019	Attended	Inter national

6	International conference on Recent trends in Bioplastics(RTB-2019)	Dept.of Microbiology, Alagappa University.	9th and 10th December 2019	Attended	International
7	One day workshop on Water Conservation	Jalshakti& Environmental Awareness Club, Alagappa University	22nd November, 2019	Attended	International
8	One day symposium on "Draft National Educational Policy 2019"	organized by Association of University Teachers, Tamilnadu .Bishop Heber College, Trichy	27th July-2019	Attended	International
9	International Webinar On "Waste Management & Sustainability	Saksham Society, Jaipur Rajasthan, India	29th May To 31st May 2020	Attended	International
10	webinar on "Product Development and Prototyping"	BIRAC Regional Techno-Entrepreneurship Promotion Centre (BRTC)	12th May 2020	Attended	International
Dr.P.Kumar					
1	International conference on Recent Trends in Bioplastics (RTB-2019), Karaikudi&	Department of Microbiology, Alagappa University, Karaikudi	9 - 10th, December, 2019	Evaluating the biocompatibility of microplastics from Indian sea salts in Human Embryonic Kidney cell lines (HEK-293)	International
2	One Day Workshop on "Water Conservation", Karaikudi,	Jal Shakti & Environmental Awareness Club, Alagappa University, Karaikudi	22nd November, 2019	-Attended	
3	Three-day International Workshop on E-content Development for MOOCs among the Faculty Members	Distance Education Cell, Alagappa University, Karaikudi		-Attended	
4	2nd International Conference – MP-TEM 2019, Karaikudi	Department of Animal Health and	24 - 25th, July 2019	Biosynthesis of gold nanoparticles from marine brown	

		Management, Alagappa University, Karaikudi		seaweed, Sargassumilicifolium and their biological applications
				Green Synthesis of Bimetallic (Au@Pt) nanoconjugate using Carica papaya Leaf Extract and their Anti- Cancer Effects against MCF-7 Breast Cancer Cell lines
5	Social relationship between microbes, human and environment, Sivakasi&	Department of Biotechnology, Sri, Kaliswari College, Sivakasi	18 - 19th July, 2019.	Cytotoxic effects of gold nanoparticles (AuNPs) synthesized via seed-mediated growth method against breast cancer cell lines (MDA-MB- 231)

Title of the professional development programme	Name of teachers who attended	Date		Duration
		From	To	
Refresher Course in Zoology, UGC-HRDC BharathiyarUniversity,Coimbatore.	Dr.M.Biruntha	20.06.2019	03.07.2019	14 days
Refresher Course in life sciences, UGC-HRDC BharathidasanUniversity,Trichy.	Dr.V.Nithya	16.07.2019	29.07.2019	14 days
Refresher Course in Zoology, UGC-HRDC BharathiyarUniversity,Coimbatore	Dr.P.Kumar	20.06.2019	03.07.2019	14 days

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

S.No	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr.B.Vaseeharan				
1	Novel and facile synthesis of sea anemone adhesive protein-coated ZnO nanoparticles: antioxidant, antibiofilm, and mosquito larvicidal activity against <i>Aedesaegypti</i>	Journal of Cluster Science 30-6 ; 1393-1402	1.3	International
2	<i>In vitro</i> and <i>in vivo</i> toxicity assessment of selenium nanoparticles with significant larvicidal and bacteriostatic properties	Materials Science & Engineering 103 ; 109763	5.08	International
3	Facile synthesis of haemocyanin-capped zinc oxide nanoparticles: Effect on growth performance, digestive-enzyme activity, and immune responses of <i>Penaeussemisulcatus</i> .	International Journal of Biological Macromolecules 139 ; 688-696	4.7	International
4	Chronic exposure of <i>Oreochromisniloticusto</i> sub-lethal copper concentrations: Effects on growth, antioxidant, non-enzymatic antioxidant, oxidative stress and non-specific immune responses	Journal of Trace Elements in Medicine and Biology 55; 170-179	3.7	International

5	Protective activity of beta-1, 3-glucan binding protein against AAPH induced oxidative stress in <i>Saccharomyces cerevisiae</i>	International Journal of Biological Macromolecules 138; 890–902	4.784	Inter national
6	Synthesis of ZnO nanoparticles using insulin-rich leaf extract: Anti-diabetic, antibiofilm and anti-oxidant properties	Journal of Photochemistry & Photobiology, B: Biology 197; 111541	4.06	Inter national
7	Synthesis and characterization of crustin capped titanium dioxide nanoparticles: Photocatalytic, antibacterial, antifungal and insecticidal activities	Journal of Photochemistry & Photobiology, B: Biology 199; 111620	4.06	Inter national
8	Microbial exopolymer-capped selenium nanowires – Towards new antibacterial, antibiofilm and arbovirus vector larvicides	Journal of Photochemistry & Photobiology, B: Biology 192; 55-67	4.06	Inter national
9	Enhanced antibacterial activity of hemocyanin purified from <i>Portunuspelagicushemolymph</i> combined with silver nanoparticles – Intracellular uptake and mode of action	Journal of Trace Elements in Medicine and Biology 54; 8–20	3.225	Inter national
10	Garlic clove extract assisted silver nanoparticle – Antibacterial, antibiofilm, antihelminthic, anti-inflammatory, anticancer and ecotoxicity assessment	Journal of Photochemistry & Photobiology, B: Biology 198: 111558	4.06	Inter national
11	Effect of amino acid substitution in the <i>Penaeusmonodon</i> LGBP and specificity through mutational analysis.	International Journal of Peptide Research and Therapeutics	1.219	Inter national
12	Antibiofilm and anticancer potential of β -glucan-binding protein-encrusted zinc oxide nanoparticles.	Microbial Pathogenesis 141; 103992	2.581	Inter national
Dr.P.Srinivasan				
13	Application of multivariate statistics and GIS on the spatio-temporal variation of heavy metals in Ennore estuary, Chennai, South East coast of India	Environmental Science and Pollution Research 1614-7499	2.914	Inter national
Dr.N.M.Prabhu				
14	Biogenic synthesis of gold nanoparticles from <i>Halymeniadilatata</i> for pharmaceutical applications: antioxidant, anticancer and antibacterial activities	Process Biochemistry Volume 85, 219-229	2.8	Inter national
15	<i>Cladophorafascicularis</i> mediated silver nanoparticles: assessment of their antibacterial activity against <i>Aeromonashydrophila</i>	Journal of Cluster Science 31, 673–683	2.1	Inter national
16	Facile green route synthesis of gold nanoparticles using <i>Caulerparacemosafor</i> biomedical applications	Journal of Drug Delivery Science and Technology 54-101345	2.6	Inter national
17	Isolation and structural characterization of sulfated polysaccharide from <i>Spirulinaplantensis</i> and its bioactive potential:	International Journal of Biological Macromolecules	4.7	Inter national

	<i>In vitro</i> antioxidant, antibacterial activity and Zebrafish growth and reproductive performance			
18	Synthesis of <i>Oldenlandiaumbellata</i> stabilized silver nanoparticles and their antioxidant effect, antibacterial activity, and biocompatibility using human lung fibroblast cell line WI-38	Process Biochemistry 86; 196–204	2.8	International
19	Ecofriendly one pot fabrication of methyl gallate@ZIF-Lnanoscale hybrid as pH responsive drug delivery system for lung cancer therapy.	Process Biochemistry 84; 39-52	2.8	International
20	Green Synthesis of Silver Nanoparticles from <i>Oxynemathaianum</i> ALU PBC5 and their <i>in vitro</i> and <i>in vivo</i> Activity Against ESBL Producing MDR Escherichia coli and <i>Klebsiella pneumonia</i>	Asian Journal of Chemistry 31;7 1447-1453	-	International
21	New Geographical Record of the Moray Eel <i>Gymnothoraxreticularis</i> , Bloch, 1795 (Anguilliformes: Muraenidae) with Taxonomic Status and Distribution from Southwest Coast of India	Thalassas: An International Journal of Marine Sciences	0.576	International
22	Record of Near Threatened Crocodile Shark <i>seudocarcharias kamoharai</i> (Pseudocarchariidae) from Indian Exclusive Economic Zone	Thalassas: An International Journal of Marine Sciences	0.576	International
23	Studies on structural properties and immun-enhancing activities of glycomannans from <i>Schizophyllum commune</i>	Carbohydrate Polymers –218 37–45	6	International
24	Structural characterization of a polysaccharide from <i>Certariaislandica</i> and assessment of immunostimulatory activity	Process Biochemistry 83; 214–221	2.8	International
25	Synergetic effect of probiotic, molasses and immunostimulant supplementation on the production of white leg shrimp <i>Litopenaeusvannamei</i> .	Indian Journal of Geo-Marine Sciences	0.3	International
26	Effect of turmeric and <i>Spatoglossumaspermum</i> on shelf life extension of marine finfish <i>Sillagosihama</i> in chilled storage condition	Indian Journal of Geo-Marine Sciences	0.3	International
Dr.M.Biruntha				
27	Changes in the Protein Profiling of Earthworms Cultured in Toxic Substrates	GEDRAG & ORGANISATIE REVIEW - 33 : 02 – 2020 Page No:2513	0.25	International
28	Efficacy of dye degradation of contaminated soil microbial isolates	Materials Today: Proceedings 2020 2214-7853/_ 2020 Elsevier	0.6	International
29	Biological and Clinical Relevance of microRNAsin Mitochondrial Diseases/Dysfunctions	DNA AND CELL BIOLOGY 2020 Pp1-6 1044-5498	2.92	International

30	Biomimetic gold nanoparticles for its cytotoxicity and biocompatibility evidenced by fluorescence-based assays in cancer (MDA-MB-231) and noncancerous Cells (HEK-293)	Journal of Photochemistry & Photobiology B: Biology 20201751-1097- 2	4.3	Inter national
31	Vermiconversion of biowastes with low-to-high C/N ratio into value added Vermicompost.	BioresourceTechnology 2020 V-297 0960-8524 4	7.5	Inter national
32	Earthworms and vermicompost: an eco-friendly approach for repaying nature's debt	Environmental Geochemistry and Health 2019 Pp 1-26 0269-4042	3.4	Inter national
33	Computational identification of MiRNA-7110 from pulmonary arterial hypertension (PAH)ESTs: A new microRNA that links diabetes and PAH	Hypertension Research 2019 1348- 4214	3.2	Inter national
34	Methylation dependent microRNA 1285-5p and sterol carrier proteins 2 in type 2 diabetes mellitus	Artificial Cells, Nanomedicine and Biotechnology 2019 47:1,3417-3422 , 2169-1401- 2	4.46	Inter national
35	Vermiremediation of Urban and Agricultural Biomass Residues for Nutrient Recovery and Vermifertilizer Production	Waste and Biomass Valorization 2019 pp 1– 151877-2641-1	2.8	Inter national
36	Green Synthesis of Zinc Sulfide Nanoparticles Using Abrus precatorius and Its Effect on Coelomic Fluid Protein Profile and Enzymatic Activity of the earthworm, Eudriluseugeniae	BioNanoScience- Springer Nature 2019 Pp 1-8 21911630, 21911649	-	Inter national
Dr. V. Nithya				
37	Antimicrobial, Antibiofilm And Antioxidant Effects of Medicinal Plants Extract with Indigenous Cow Ark Against Human Pathogens	International Journal of science and Technology 29;3 2020; 569-563	-	Inter national
38	Evaluation of Efficacy of Fatty Acids and Conjugated Linoleic Acid Derived from Indigenous Cow Milk Against Hepatocellular Carcinoma Pathogens	Biochemical and Cellular Archives	-	Inter national
39	Assessment of Dosage Response of Cow Milk Fat Isomers Against Hepatocellular Carcinoma Cell Lines	Biochemical and Cellular Archives	-	Inter national
40	SubmitoLoc: Identification of mitochondrial sub cellular locations of proteins using support vector machine	Bioinformatics	-	Inter national
41	Identification of potential pheromone source in sows	Behavioural Processes 2019; 1-3	2.008	Inter national
42	Nglyc: A Random Forest Method for Prediction of N-Glycosylation Sites in Eukaryotic Protein Sequence	Protein & Peptide Letters 2019;1-8	1.168	International
43	Detection of estrous biomarkers in the body exudates of Kangayam cattle (Bos indicus) from interplay of hormones Q 1 and behavioral expressions	Domestic Animal Endocrinology 26;2019;1-8	2.302	Inter national

44	Hepatoprotective effect of silver nanoparticles synthesized using aqueous leaf extract of <i>Rhizophoraaapiculata</i>	International Journal of Nanomedicine 24:2019;3517–3524	4.471	Inter national
45	Cloning and sequencing of α -2u globulin of rat preputial gland to assess its longevity in the context of developing an effective rodent trap	Indian Journal of Biochemistry and Biophysics 56-6: 2019;433-438	0.53	National
Dr.P.Kumar				
46	Anti-bacterial and anti-biofilm efficacies of bioinspired gold nanoparticles	Materials Letters	3.019	Inter national
47	Biomimetic gold nanoparticles for its cytotoxicity and biocompatibility evidenced by fluorescence-based assays in cancer (MDA-MB-231) and non-cancerous (HEK-293) cells	Journal of Photochemistry and Photobiology B: Biology 202-111715	4.067	Inter national
48	Explication of the potential of 2-hydroxy-4-methoxy benzaldehyde in hampering uropathogenic <i>Proteus mirabilis</i> crystalline biofilm and virulence	Frontiers in Microbiology	4.259	Inter national
49	Macrocyclic “tet a” derived colorimetric sensor for the detection of mercury cations and hydrogen sulphate anions and its bio-imaging in living cells	Journal of Photochemistry & Photobiology, B: Biology 203; 111739	4.067	Inter national
50	Anti-proliferative and anti-migratory effects of flower-like bimetallic (Au@Pt) nanoparticles	Materials Letters	3.019	Inter national
51	Urchin like NiCo ₂ O ₄ /rGO nanocomposite for high energy asymmetric storage applications	Ceramics International, S0272884220308075.	3.6	Inter national
52	Phloroglucinol-conjugated gold nanoparticles targeting mitochondrial membrane potential of human cervical (HeLa) cancer cell lines..	SpectrochimicaActa Part A: Molecular and Biomolecular Spectroscopy, 219, 450–456	3.2	Inter national
53	A perspective on biogenic synthesis of platinum nanoparticles and their biomedical applications.	SpectrochimicaActa Part A: Molecular and Biomolecular Spectroscopy, 211, 94–99	3.2	Inter national
54	Chitosan nanopolymers: An overview of drug delivery against cancer.	International Journal of Biological Macromolecules, 130, 727–736.	5.1	Inter national
55	Utilization of marine seaweed <i>Spyridiafilamentosa</i> for silver nanoparticles synthesis and its clinical applications.	Materials Letters, 263, 127244	3.019	Inter national

Total Number:55

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
October-2019	ALUTES	Alagappa University	40
20.09.2019 to	Village Placement	Alampattu	18

22.10.2019	Programme		
07.03.2020 to 13.03.2020	NSS	Veerasekarapuram	10
4rd October-2019	World Animal day Celebration	Alagappa Memorial statue	70

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	2	Merit Scholarship
VOC/PMT Scholarship awarded	4	Alagappa University
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	1	CSIR (SRF)
UGC Rajiv Gandhi Fellowship	1	UGC
UGC Indira Gandhi single girl child	-	-
Others (if any)	2	DST INSPIRE
	1	ICMR
	11	RUSA 2.0(Ph.D Fellow)
	6	RUSA 2.0(Project Fellow)
	1	DSTSERB- Project Fellow
Total	29	

17. Placement of students / Scholars during 2019-20

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
M.Sc	12	8,000

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	12	Laptops	-	Wi-Fi unit	-
Air Conditioners	6	LCD projector	6	Podium	4
Generator/Inverter	1	Xerox machine	1	Interactive board	6
Fax Machines	1	Printers	6		
Computers	20	Phones (including intercom)	10	Others (specify)	-

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
5 KV UPS	4,09,500
Wall Work Table: 3500 L x 750W x 750H mm	1,02,191
Biochemical analyzer	1,34,232

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
Name of the Instrument, including ICT, Sports, Lab., etc.	Cost: Rs. Lakhs
Centrifuge	5,77,500
Total	5,07,950.00

20. Special Features of the Department / Centre / College

International Research collaboration	-
Special Lecture conducted with overseas research expert	Training on "Aquaculture and Vermiculture/Vermicompost".
International Conference on "Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM 2019)"	

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Conducted International Conference on "Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM 2019)"
ii	Business skill motivation to the students
iii	Training programs and workshops conducted on " Aquaculture and Vermiculture/Vermicompost "
iv	Ongoing project -Rural Informatics of Sivaganga District-Animal care centers and their issues in Sivagangai district

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21. DEPARTMENT OF BIOELECTRONICS & BIOSENSORS

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. C. SEKAR	Professor & Head	M.Sc., Ph.D	11.03.2010
Dr. V. DHARUMAN	Assistant Professor	M.Sc., B.Ed., Ph.D	18.06.2008
Dr. J. WILSON	Assistant Professor	M.Sc., Ph.D	12.08.2008

Total Number: 3 No. of faculty with Ph.D: 3 No of faculty with IT Skills: 3

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
Dr.. C. SUMATHI	Master Technician	B.E. M.Sc.(Physics) Ph.D.

Total Number: 1 No. of Non-teaching Staff with IT skills: 1

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing		1	2						3
Addition during 2019-20 - Nil									

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing						1			1
Addition during 2019-20 - Nil									

4. (a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc. (Bioelectronics)	M.Sc. Physics (Spl.in Biosensors)
iii	Ph.D. (Bioelectronics & Biosensors)	

2. (b) Name of new Programs (if any) introduced during 2019-20:

i	M.Sc. Materials Science	ii	-
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3. a. Students Strength (I YEAR)

Program (PG/M.Phil/Cert/ Dip./PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc. Physics (Spl. in Biosensors)	13	-	2	2	-	-	5	4	-	13
Total		-	2	2	-	-	5	4	-	13

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	B C	MB C	SC/S T	
M.Sc. Physics (Spl. in Biosensors)	-	3	-	-	-	14	3	4	24
Total	-	3	-	-	-	14	3	4	24

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	2	4	1	-	-	6	-	1	14
Ph.D. (Part-Time)	-	-	-	-	1	-	-	-	1

3.b: Details of International / Other State students: 1

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
Ph.D.	China (FT)	1	-	1	Andhra (FT) Kerala (PT)	1 -	- 1	2	3

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	2	2	-	-	-	5	4	-	13
PG-II Year	-	2	-	-	-	-	14	3	4	23
M. Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	1	-	2	-	-	-	1	-	-	4
Total	1	4	4	-	-	-	20	7	4	40

Grand Total: 40

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	1	2	-	-	-	4	2	-	9
PG-II Year	-	2	-	-	-	-	14	3	4	23
M.Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	1	-	2	-	-	-	1	-	-	4

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	254	3	257	Rs.1,51,296/-
Indian Journals	-	-	-	
International Journals	-	-	-	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr. C. SEKAR	-	-	-	-	3	-	2	4
Dr. V. DHARUMAN	3	-	2	-	5	-	2	3
Dr. J. WILSON	-	-	-	-	8	-	3	3

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc) during 2019-20.

Name of the Scheme	DST -PURSE	RUSA 2.0
Title	Nanostructured Metal Oxides based Chemo-Resistive-Biosensors for Medical Diagnosis	Advanced Nanomaterials for Sustainable Energy and Sensor Applications
Funding Agency	DST-PURSE	RUSA 2.0
Duration	2017-2020	2018
Commencement on		
Total Fund Allotted (Rs. Lakhs)	Rs.4,95,000/-	Rs.97,00,000/-
Fund Released so far (Rs. Lakhs)	Rs.4,95,000/-	s.97,00,000/-
Thrust Area(s)		
Total No. of Project Personnel		
Progress / Status		
Remarks		

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. C. Sekar	2018	2021	CSIR	Multiplexed Array of Electrodes for Electrochemical Determination of Cardiac Biomarkers	20,25,000/-
Dr. C. Sekar	2019	2022	DST/TDT/DDP	Development of "Foliar Diagnostic Kit for On-Site Detection of Nitrogen and Moisture Status in Crops"	10,65,083/-

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	27-29 th November 2019	Nanomaterials Driven Advances in Chemical and BioSensors' (NANOSE-2019)	200	18	26	International
2	4 th – 6 th March 2020	National Workshop on "Advanced Nanomaterials for Sustainable Energy and Sensor Applications" (AN-SEA 2020)	150	16	88	National

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	02.12.2019	RUSA 2.0	Prof. Dr. Giovanni Neri Dept. of Electronic Engineering, Chemistry and Materials Engineering University of Messina, Messina, Italy	Recent Progress in Chemical Sensors	150
2	27.01.2020		Dr. Suresh Govindan Research Head, N. Rama Varier	Prevention Rajuvenation,	60

			Ayurveda Foundation 175, Villachery Main Road, Muniyandipuram, Madurai.	Revitalisation' Ayurveda	
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10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr. C. Sekar	Workshop on Locomotion and Navigation from Flies to Robots	ICTP, Trieste , Italy	10-12 July 2019	Attended	International
Dr. C. Sekar	International Conference on "Frontier Areas in Chemical Technologies-2019" (FACTs-2019)	Dept. of Industrial Chemistry, Alagappa University, Karaikudi	25-26, July 2019	Nanostructure Metal oxides for biosensing Applications	International
Dr. C. Sekar	Workshop Advanced Materials for Sustainable Energy, Environment and Sensing Applications, Lipari Island, Italy	Lipari Island, Italy	27-29, June 2019	Advanced nanomaterials for high performance biomedical sensors	International
Dr. C. Sekar	International Conference On Nanomaterials Driven Advances In Chemical And Biosensors	Department of Bioelectronics and Biosensors, Alagappa University	27 th -29 th Nov 2019	Attended	International
Dr. C. Sekar	National Workshop on "Advanced Nanomaterials for Sustainable Energy and Sensor Applications" (AN-SEA 2020)	Department of Bioelectronics and Biosensors, karaikudi	4th – 6th March 2020	Attended	National
Dr. C. Sekar	National Conference on Nano/biotechnology 2019	JNU, New Delhi	December 19-21, 2019	Nanostructure Metal oxides for biosensing Applications	National
Dr. V. Dharuman	National Conference on Nano/biotechnology 2019	JNU, New Delhi	December 19-21, 2019	Spherical liposomes and metal nanoparticles in Biosensing	National
Dr. V. Dharuman	International conference on Advances in Chemistry with specific reference to catalysis, sensors, drug delivery and energy materials 2020	University of Madras, Chennai	January 9-10, 2020	Spherical liposomes and metal nanoparticles in Biosensing	International
Dr. V. Dharuman	International conference on Electrochemistry in Industry, health and	Indian Society of Electroanalytica	January, 21-25, 2020	Metal nanoparticle stabilized lipids	International

	environment, 2020	I Chemistry BARC, Mumbai		for electrochemical biosensing	
Dr. V. Dharuman	International Conference On Nanomaterials Driven Advances In Chemical And Biosensors	Department of Bioelectronics and Biosensors, Alagappa University	27 th -29 th Nov 2019	Attended	Internatio nal
Dr. V. Dharuman	National Workshop on “Advanced Nanomaterials for Sustainable Energy and Sensor Applications” (AN-SEA 2020)	Department of Bioelectronics and Biosensors, karaikudi	4 th – 6 th March 2020	Attended	National
Dr. J. Wilson	Devoloping 21 st Century Learning Skills In Life Science (2019)	National Institute of Education, srilanka	10 th - 12 th May 2019	Guest Lecture An Overview On Biosensors (2019)	Internatio nal within India
Dr. J. Wilson	International Conference on Biomedical Applications In Translational Research(Batr-2019)	Department of Biomedical sciences, Alagappa university	6 th -7 th June,20 19	Attended	Internatio nal within India
Dr. J. Wilson	Workshop On Research Methods And Latex (2019)	Department of Library and information science, Alagappa University	24 th -26 th June 2019	Attended	National
Dr. J. Wilson	E-Content Development For Moocs Among The Faculty Members(Workshop) (2019)	Department of Library and information science, Alagappa University	10 th , 12 th &13 th sep 2019	Attended	National
Dr. J. Wilson	International Conference On Nanomaterials Driven Advances In Chemical And Biosensors (NANOSE 19)	Department of Bioelectronics and Biosensors, Alagappa University	27 th -29 th Nov 2019	Development of Hematite- Quinoline Hybrid Sensor Platform for Electrochemical detection of Cu(II) ions	Internatio nal
Dr. J. Wilson	National Conference on Nano/Bio-Technology.	Jawaharlal Nehru University, Delhi	19-21, Decemb er 2019	Invited Talk Biocompatible and functionally tuned natural Biopolymers: Synergetic performances in Environmental remediation and therapeutic applications	National

Total Number: 17

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / Intl.
Dr. C. Sekar	Nicotinamide adenine dinucleotide immobilized tungsten trioxide nanoparticles for simultaneous sensing of norepinephrine, melatonin and nicotine,	Biosensors and Bioelectronics, 143 (2019/10/15) 111598	9.518	I
Dr. C. Sekar	MgNi ₂ O ₃ nanoparticles as novel and versatile sensing material for non-enzymatic electrochemical sensing of glucose and conductometric determination of acetone,	Journal of Alloys and Compounds, 817(2020/3/15) 152787	4.175	I
Dr. C. Sekar	Electrochemical Sensing of Serotonin by a Modified MnO ₂ -Graphene Electrode,	Biosensors, 10 (2020/4/2) 33	3.240	I
Dr. V. Dharuman	Carbon dots stabilized silver–lipid nano hybrids for sensitive label free DNA detection	Biosensors and Bioelectronics 133 (2019/5/15) 48-54	10.25	I
Dr. V. Dharuman	Single step sol-gel synthesized Mn ₂ O ₃ -TiO ₂ decorated graphene for the rapid and selective ultra sensitive electrochemical sensing of dopamine	Electrochimica Acta 302 (2019/4/10) 291-300	5.47	I
Dr. V. Dharuman	Ultra sensitive and selective label free electrochemical DNA detection at layer-by-layer self-assembled graphene oxide and vesicle liposome nano architecture	Electroanalytical Chemistry 23 (2019/4/1) 100261	3.519	I
Dr. V. Dharuman	Rapid and sensitive electrochemical label free ion channel, membrane protein and DNA sensing on surface supported liposome-gold nanoparticle platform	Electroanalytical Chemistry 834 (2019/2/1) 56-63	3.519	I
Dr. V. Dharuman	Self-powered polymer metal oxide hybrid solar cell for non-enzymatic potentiometric sensing of bilirubin	Medical devices and sensors 2 (2019/4) e10031	--	I
Dr. J. Wilson	One step solvothermal synthesis and characterization of rGO/NiO nanocomposites,	Materials Today Proceedings (2019/7/10)	0.97	I
Dr. J. Wilson	Interactive Studies on Synthetic Nanopolymer decorated with Edible Biopolymer and its Selective Electrochemical determination of L-Tyrosine,	scientific reports, 9 (2019/9) 13287	4.011	I
Dr. J. Wilson	Environmental pollutants simultaneous determination: DNA catalyst mediated polyaniline biocomposite nanostructures,	Biocatalysis and Agricultural Biotechnology, 21 (2019/9) 101352	0.983	I
Dr. J. Wilson	Solvothermal synthesis of magnetically separable reduced graphene oxide/Fe ₃ O ₄ hybrid nanocomposites with enhanced photocatalytic properties,	Physica B: Condensed Matter, 580 (2020/3/1) 411752	2.711	I
Dr. J. Wilson	Mesoporous nickel oxide nanostructures: influences of crystalline defects and morphological features on	Nanotechnology, 31 (2020/3/9) 215501	3.399	I

		mediator-free electrochemical monosaccharide sensor application,			
Dr. Wilson	J.	Size controllable, pH triggered reduction of bovine serum albumin and its adsorption behavior with SnO ₂ /SnS ₂ quantum dots for biosensing application,	Talanta, 210 (2020/4/1) 120671	4.916	I
Dr. Wilson	J.	Sensitive voltammetric sensor based on silver dendrites decorated polythiophene nanocomposite: Selective determination of L-Tryptophan,	Journal of Molecular Structure, 1205 (2020/4/5) 127649	2.011	I
Dr. Wilson	J.	Poly (3, 4-ethylenedioxythiophene)/Taurine biocomposite on screen printed electrode: non-enzymatic Cholesterol biosensor,	Microchemical Journal, (2020/5/18) 105037	3.280	I

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr. J. Wilson	Non-Enzymatic L-Tyrosine Detection Based on PEDOT/ ZrO ₂ / rGO Composite	Lambert academic publishing
Dr. J. Wilson	Lithium Batteries Based on Gel and Composite Electrolytes	Lambert academic publishing

12. Awards /Prizes /Medals won by Staff Members during 2019-20 :

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
Dr. C. Sekar	Visiting Researcher Award	University of Messina	€3500/-

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20.09.2019 to 22.09.2019	Village Placement Programme	Alampattu	23

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	26	Govt.
VOC/PMT Scholarship awarded	6	Govt.
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	CSIR SRF -1	CSIR
UGC Rajiv Gandhi Fellowship	-	-
UGC Indra Gandhi single girl child	1	Govt.
Others (if any)	DST-PURSE- 1, RUSA – 10, SPDF- 1, PDF-2	RUSA, DST-PURSE

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space		Laptops	1	Wi-Fi unit	
Air Conditioners	5AC	LCD projector	2	Podium	3
Generator/Inverter	5KVA/2	Xerox machine	1	Interactive	3

				board	
Fax Machines	1	Printers	4		
Computers	31	Phones (including intercom)	8	Others (specify)	

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs : Nil

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
Jasco Spectrofluorometer	13,96,992/-

20. Special Features of the Department / Centre / College

lvii.	Department is engaged in Teaching & Research activities in the Innovative field of Biosensors.
lviii.	Published research Papers in the International journals with high impact factors.
lix.	Received funding from DST and DST/TDT/DDP

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Extensive use of ICT for class room teaching
ii	Hands on training for M.Sc. Students
iii	Group discussion, weekly seminars etc.

22. DEPARTMENT OF BIOINFORMATICS

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

S.No	Name	Designation	Qualification	Date of Joining/ Leaving
1	Dr. J. Jeyakanthan	Professor & Head	M.Sc, M.Phil, Ph.D	03.03.2010
2	Dr. Sanjeev Kumar Singh	Professor	M.Sc, Ph.D	20.03.2009
3	Dr. M. Karthikeyan	Assistant Professor	M.Sc, Ph.D	18.08.2008
4	Dr. RM.Vidhyavathi	Assistant Professor	M.Sc, M.Phil, M.Tech, Ph.D	31.08.2015
5	Dr. J. Joseph Sahayarayan	Assistant Professor	M.Sc, Ph.D	04.12.2015
6	Dr. P.Boomi	Assistant Professor	M.Sc, M.Phil, Ph.D	04.12.2015
7	Dr. V. K. Langeswaran	Assistant Professor	M.Sc, Ph.D	01.08.2016

Total Number: **07** No. of faculty with Ph.D: **07** No of faculty with IT Skills: **07**

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
K. Nithya	Junior Assistant cum Typist	B,Sc, M.Ed
S. Arumugam	Office Assistant	SSLC

Total Number: **02** No. of Non-teaching Staff with IT skills: -

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	01	02	02	01	-	-	01	-	07
Addition during 2019-20	-								

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	01	-	-	-	01	-	-	02
Addition during 2019-20	-								

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc. in Bioinformatics	ii	M.Phil in Bioinformatics
iii	Ph.D in Bioinformatics		

Total No. of Programs: **03**

3. a. Students Strength (I YEAR)

Program (PG/M.Phil/Cert/Dip./ PG Dip	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Bioinformatics	19	-	02	-	-	01	06	02	-	11
M. Phil Bioinformatics	04	-	-	-	-	-	-	-	02	02
Total	23	-	02	-	-	01	06	02	02	13

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Bioinformatics	-	01	01	01	-	05	-	-	08
Total	-	01	01	01	-	05	-	-	08

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil.	-	-	-	-	-	-	-	02	02

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	03	06	02	-	-	07	02	01	21
Ph.D. (Part-Time)	-	02	-	-	-	-	-	-	02

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
M.Sc	-	-	-	-	-	-	-	-	-
Ph.D	-				Puducherry	02	02	04	04
					Rajasthan	01	-	01	01
					Jharkhand	01	-	01	01
					Odisha	-	01	01	01
					Madhya Pradesh	01	-	01	01
					Utter Pradesh	01	-	01	01
					Bangalore	01	-	01	01
Total								10	

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	02	-	-	02	01	06	02	-	09
PG-II Year	-	01	01	01	03	-	05	-	-	05
M. Phil.	-	-	-	-	-	-	-	-	02	02
Ph.D.	-	01	-	-	01	-	-	-	-	-
Total	-	04	01	01	06	01	11	02	02	16

Grand Total: 22 (M.Sc. I year -11 + M.Sc. II year - 08 + M.Phil -02 + Ph.D -01)

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	02	-	-	02	01	06	02	-	09
PG-II Year	-	01	01	01	03	-	05	-	-	05
M.Phil	-	-	-	-	-	-	-	-	02	02
Ph.D.	-	01	-	-	01	-	-	-	-	-
Total	-	04	01	01	06	01	11	02	02	16

Grand Total: 22

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	525	45	570	13,10,004.17
Indian Journals	06	-	06	
International Journals	09	-	09	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/Chapter Materials	National	International
Dr. J. Jeyakanthan	01	01	01 (Ntl)	-	12	-	03	07
Dr. Sanjeev Kumar Singh	01	-	01 (Ntl)	-	25	03	01	03
Dr. M. Karthikeyan	-	01	-	-	08	-	04	01
Dr. RM.Vidhyavathi	-	-	-	-	05	-	03	06
Dr. J. Joseph Sahayarayan	-	-	-	-	03	-	03	04
Dr. P. Boomi	-	-	-	-	07	-	04	07
Dr. V. K. Langeswaran	-	-	01 (Ntl)	-	09	-	06	07

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc) during 2019-20.

Name of the Scheme	FIST (Level-1)	PURSE
Title	-	-
Funding Agency	Ministry of Science & Technology, Department of Science & Technology	Ministry of Science & Technology, Department of Science & Technology
Duration	5 Years (2018-2022)	4 Years (2017-2021)
Commencement on	25.10.2018- 25.10.2022	21.02.2017 – 21.02.2019
Total Fund Allotted (Rs. Lakhs)	62 Lakhs	700 Lakhs (For 14 Science Departments)
Fund Released so far (Rs. Lakhs)	40 Lakhs	Rs. 33.23 (For 14 Science Departments)
Thrust Area(s)	Small & Macromolecules crystallography, Computer aided Drug Design, Structural Bioinformatics, Human Molecular Genetics, Pharmacogenomics, Quantum Pharmacology, Cheminformatics, Data mining & warehousing, Plant Bioinformatics, Nano drug delivery, Molecular Oncology & Environmental Toxicology.	Small & Macromolecules crystallography, Computer aided Drug Design, Structural Bioinformatics, Human Molecular Genetics, Pharmacogenomics, Quantum Pharmacology, Cheminformatics, Data mining & warehousing, Plant Bioinformatics, Nano drug delivery, Molecular Oncology & Environmental Toxicology.

Total No. of Project Personnel	-	No. of Project Fellows: 01 M. Richard Date of Joining: October 2019
Progress / Status	Ongoing	Ongoing
Remarks	-	-

7. Individual Projects

7. (a) Completed during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. J. Jeyakanthan	28.09.2016	27.09.2019	DST-SERB	Identification of Potential Anti-Filarial drug targeted enzymes Wbm0441, Wbm0042 from Wolbachia endosymbiont <i>Brugia malayi</i>	69.38
Dr. Sanjeev Kumar Singh	09.02.2016	08.08.2019	DBT, New Delhi	<i>In-silico</i> screening, theoretical calculation and <i>in vitro</i> studies for development of potential HIV1-PR inhibitors	19.51
Dr. V. K. Langeswaran	September 2016	September 2019	UGC	Anti-Proliferative and cytotoxic efficiency of Fucoxanthin on human hepatoma cell line – An <i>in vitro</i> approach	10.00

Total Number: **03**

7. (b) Sanctioned and Ongoing during 2019-20

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. J. Jeyakanthan	2018	2021	DAE-BRNS	Design, Synthesis and <i>in vitro</i> anticancer activity of novel and potent p21 activated kinase 1 (Pak1) inhibitors	30.33
	2017	2020	ICMR	Structural insights of SIRT4 protein from <i>Homo sapiens</i> to identify inhibitors for the treatment of Type-II diabetes	33.34
	2019	2022	DST INDO-TAIWAN	Structural and functional insights of potential anti-malarial drug targets of G6PD and 6PGD from <i>Plasmodium falciparum</i> (3D7)	73.72
Dr. Sanjeev Kumar Singh	2019	2021	MHRD-SPARC IIT-Mandi	Biophysics of Zika virus Envelope protein, membrane fusion and inhibitor discovery (CO-P.I)	--
Dr. M. Karthikeyan	2019	2022	ICMR	Ferrocene Conjugated Microcyclic transition metal complexes as Photosensitizer for Photodynamic therapy.	33.97
Dr. J. Joseph Sahayarayan	2018	2020	AURF	Isolation, structural elucidation and biological properties of secondary metabolites from <i>Mucuna pruriens</i> and their <i>in-silico</i> studies	1.00

Total Number: **06**

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1.	11 th -13 th December, 2019	Three-Day International Conference on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" (ICSBCADD – 2019)	263	26	75	International
2	19 th - 30 th May 2020	E-Learning Program on "BIOINFORMATICS AS CARTOGRAPHIC TOOL IN DRUG DISCOVERY"	851	07	-	National

Total Number: **02**

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Presented					
Dr. J. Jeyakanthan	Emerging Paradigms in Disease Management and Energy Technology (ICDMET-2019)	Dr. Umayal Ramanathan College for Women, Karaikudi	07 th August, 2019	Protein Structure Determination and its Importance in Drug Discovery	I
	International Conference on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" (ICSBCADD – 2019)	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India.	11 th -13 th December, 2019	Structural and Functional Characterization of SIRT4 protein from <i>Homo sapiens</i>	I
				Experimental characterization of Streptomycin adenyltransferase from <i>Serratia marcescens</i>	
				MRPC: missing regions in polypeptide chains-A Knowledgebase	
				Molecular Cloning and Structural studies on FCMS from <i>Pyrococcus horikoshii</i> OT3	
Insights on Exogenous Tryptophan-mediated					

			Allosteric communication and Helical Transition of TRP protein for Transcription regulation
			Role of hydration sites in binding affinity of Pak1 inhibitors using water mapping and scoring approaches
			Exploring the Selectivity of SIK2 families using a Molecular modeling studies
			Cloning, Expression and Purification of N1 Aminopropyl Agmatine Ureohydralase (SpeB) protein from <i>Thermus thermophilus</i> HB8
			Molecular Evolution, Binding Site Interpretation and Functional Divergence of Aspartate Semialdehyde Dehydrogenase
			Expression and Purification of Succinyl-diaminopimelate desuccinylase (dapE) from <i>Wolbachia</i> endosymbiont of <i>Brugia malayi</i>
			A novel search engine for the proteins involved in the Notch crosstalk signaling pathways
			Purification and in vitro characterization of PH0140 from <i>Pyrococcus horikoshii</i> OT3
			Computational identification of potent anti-bacterial drug molecules for Gram negative Pathogens
			<i>In silico</i> discovery of <i>Cassia fistula</i> as a

				potential inhibitor for ovarian cancer	
				Identification of potential inhibitor for Jaundice from <i>Nigella sativa</i> - an <i>in-silico</i> analysis	
				Molecular Modelling investigations and atomic insights on <i>de novo</i> purine biosynthetic pathway using Quantum Mechanical approaches	
				Role of substituents on Copper (II) terpyridine complexes towards redox chemotherapy through experimental and computational approaches	
				<i>Achromobacter Xylooxidans</i> induced Bacteremia in premature neonates: Case report	
	The 16 th Conference of the Asian Crystallographic Association (AsCA 2019)	National University of Singapore, Singapore	17 th -20 th December 2019	Structural studies on Aminoimidazole Ribonucleotide Synthase (AIRS) from <i>Pyrococcus horikoshii</i> OT3	I
				Functional characterization of Streptomycin adenylyltransferase from <i>Serratia marcescens</i> and its mechanistic mode of action towards streptomycin resistance	
	International Conference on Drug Discovery 2020 (ICDD, 2020)	BITS Pilani, Hyderabad campus	29 th February-02 nd March, 2020	Structural and Functional Characterization of Streptomycin Adenylyltransferase from <i>Serratia marcescens</i> FGI94	I
	International Faculty	Science & Humanities,	15 th May, 2020	Structural and Functional	I

	Development Program on “Novel Materials for Energy and Biomedical (COVID-19) Health care applications”	M. Kumarasamy College of Engineering, Thalavapalaya m, Karur, Tamil Nadu		characterization of Streptomycin adenylyltransferase from <i>Serratia marcescens</i> FGI94	
	E-Learning Program on “BIOINFORMATICS AS CARTOGRAPHIC TOOL IN DRUG DISCOVERY”	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India.	19 th May, 2020	Accelerating Drug Discovery using Integrative Structural Biology	N
	International Webinar Conference on Biomaterials on Healthcare Applications	Department of Biotechnology, Karunya Institute of Technology and Sciences, Coimbatore	29 th May, 2020	Accelerating Drug Discovery using Integrative Structural Biology	I
Dr. Sanjeev Kumar Singh	International Conference on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design” (ICSBCADD – 2019)	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India	11 th -13 th Dec. 2019	<p>Investigations on the interaction between PTNP14 with high and low risk HPV types 16 and 11</p> <p>Computational study on 5-substituted 2-Acylaminothiazoles class of compounds to activate the Tat-mediated HIV-1 transcription</p> <p>Structural Insights into the inhibition of TasA enzyme targeting spore and Biofilm forming mechanism in <i>Bacillus cereus</i></p> <p>Integrated microarray meta-analysis unveiled a panel of diagnostic biomarkers of Glioblastoma</p> <p>Structure based screening of Anti-HIV-1 Inhibitors by targeting V3 Loop in the</p>	I

				<p>envelope protein gp120</p> <p><i>In silico</i> studies of phytochemicals as the potent inhibitors against the E protein of Dengue virus</p> <p>Atomistic Intuitions on Enzymatic reaction mechanism and protein-protein interaction of MDH and MMO from <i>Methylococcus capsulatus</i></p> <p><i>In silico</i> strategies to disrupt the protein-protein interaction between integrase and LEDGF/p75</p> <p>Investigation of Dual negative allosteric modulator to predict correct pose and unveiling the binding mode between mGluR1 and mGluR5 through binding pose metadynamics and molecular dynamics simulation studies</p> <p>Identification of functional mechanism of Germline stem cells maintenance by RNA-Transcriptomics studies for cancer therapeutic approach</p>	
	E-Learning Program on "BIOINFORMATICS AS CARTOGRAPHIC TOOL IN DRUG DISCOVERY"	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India.	21 st May, 2020	Advancement in Computational Drug Discovery	N

Dr. M. Karthikeyan	International Conference on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" (ICSBCADD – 2019)	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India	11 th -13 th Dec. 2019	Computational understanding on molecular mechanism of hypertensive drug metabolizing enzymes and its implication on developing potential lead molecules-presented	I
				Deleterious nsSNPs screening and molecular dynamics study on human Klotho for their effects on protein structure, stability and function	
				Insights into molecular modeling of SH3BP2-Tankyrase protein complex structure and molecular docking studies	
				In silico perceptible into the stereochemical necessities of the bradykinin receptor and its antagonist molecules	
E-Learning Program on "BIOINFORMATICS AS CARTOGRAPHIC TOOL IN DRUG DISCOVERY"	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India.	30 th May, 2020	Computational Investigation on Cross-talking Cancer Signaling of Tankyrase, Ring Finger 146 and Axin Complex	N	
National Conference on "Recent Trends in Drug Discovery, Development and Targeted Delivery System for Cancer"	P.G & Research Department of Biochemistry at J.J College, Pudukkottai Tamil Nadu, India.	26 th -27 th September, 2019	Cross-talking Colorectal Cancer Signalling mechanism on Tankyrase protein networks: A computational study-Presented	N	
International conference on Engineering, Medicine, Science and Technology, ESTIC 2019	Mahsa University in Kuala Lumpur, Malaysia	14 th - 15 th Oct. 2019.	An Optimal Feature Selection with Neural Network Based Classification Model for Dengue Fever Prediction	I	
International	Department of	23 rd -24 th	Medicinal Plants	I	

Dr. RM. Vidhyavathi	conference on Computational Sciences.	Computer Science, Alagappa University, Karaikudi	Oct. 2019.	Database for Dengue, Tuberculosis and Jaundice: A common platform for Genomic, Chemical and Traditional information	
	International Conference on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" (ICSBADD – 2019)	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India	11 th -13 th December, 2019	A Computational study to analyze the potent inhibitor against cardio vascular disease (CVD) from <i>salix tetrasperma</i> Virtual Screening approaches to identify potent inhibitors against Obesity causing protein in PCOS	I
	Recent Trends In Drug Discovery Development and Targeted Delivery System for Cancer-2019	J.J. College of Arts & Science in J.J. Nagar, Sivapuram	26 th - 27 th Sep. 2019	Identification of Potent Inhibitor from Medicinal Plants for ABL Kinase Involved in Cervical Cancer through <i>in silico</i> Approach	N
	E-Learning Program on "BIOINFORMATICS AS CARTOGRAPHIC TOOL IN DRUG DISCOVERY"	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India.	25 th May, 2020	Applications and Effects of Machine Learning in Drug Discovery	N
Dr. J. Joseph Sahayarayan	International Conference on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" (ICSBADD – 2019)	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India	11 th -13 th December, 2019	Virtual Screening approaches to identify potent inhibitors against Obesity causing protein in PCOS A computational study to analyze the potent inhibitor against Cardiovascular disease (CVD) from <i>Salix tetrasperma</i>	I
	International Conference on Computational Sciences (ICCS 2019)	Department of Computer Science, Alagappa University, Karaikudi.	23 rd and 24 th oct. 2019	Medicinal plants Database for Dengu, Tuberculosis and Jaundice: Acommon Platform for Genomic, Chemical AND Traditional Information In –Silico approach for screeing and Assessment of	I

				Phytochemicals using National plants for Snake Bite.	
	E-Learning Program on "BIOINFORMATICS AS CARTOGRAPHIC TOOL IN DRUG DISCOVERY"	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India.	27 th May, 2020	Role of Plant-based Medicinal Products in Drug Discovery	N
Dr. P. Boomi	International Conference on Frontier Areas in Chemical Technologies-2019	School of Chemical Sciences, Department of Industrial Chemistry, Alagappa University, Karaikudi	25 th - 26 th July, 2019	Synthesis and applications of gold nanoparticles using fenugreek seed extract with their antibacterial, UV protection and anticancer	I
	International Conference on Recent Advances in Applied Chemical Sciences (ICRAACS)	Department of Chemistry, Sree Sevugan Annamalai College, Devakottai.	06 th September, 2019	<i>In Silico</i> Study on Molecular Dynamics Simulation of Self assembled nanoparticles against Chikungunya viral disease.	I
				Development of Novel Self Assembled Amphiphilic Twin Drugs Nanocarriers by using <i>in silico</i> approach	
	International Conference on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" (ICSBADD – 2019)	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India	11 th -13 th December, 2019	Pharmacoinformatic Exploration of MMP inhibitor for the treatment of Diabetic Retinopathy from <i>Pinus pinaster</i> Phytoligands.	I
				Identification potent novel antiviral compound through the computational method.	
	International conference on Emerging Trends in Materials for Energy and Biomedical Applications.	Department of Science and Humanities, Thalavapalaya m, Karur.	07 th March, 2020	E-Pharmacophore based Virtual screening for designing a potential inhibitor for FlmH protein	I
Identification of novel Potent inhibitor against Alzheimer Disease by using Pharmacophore Modeling approaches					
E-Learning	Department of	21 st May,	<i>In silico</i> Identification	N	

	Program on "BIOINFORMATICS AS CARTOGRAPHIC TOOL IN DRUG DISCOVERY"	Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India.	2020	and Development of Novel Nano Drugs against Human Diseases	
Dr. V.K. Langeswaran	International Conference on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" (ICSBADD – 2019)	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India	11 th -13 th December, 2019	Tangeretin-A novel inhibitor against Hepatocellular carcinoma	I
	E-Learning Program on "BIOINFORMATICS AS CARTOGRAPHIC TOOL IN DRUG DISCOVERY"	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India.	26 th May, 2020	Computational Prediction and Identification of Potent Drugs for Cancer	N
Attended					
Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr. J. Jeyakanthan	Batch of MBA (Logistics Management) Inauguration & Orientation Programme	Department of Logistics Management, Alagappa University	08 th July, 2019	Felicitate	N
	World Habitat Day	Department of Botany, Alagappa University	16 th October, 2019	Special Address	N
	International Conference on Innovative and Emerging Trends in Botany (ICIETB-2019)	Department of Botany, Alagappa University, Karaikudi	06 th – 07 th November, 2019	Convener	I
Dr. Sanjeev Kumar Singh	International Conference on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" (ICSBADD – 2019)	Department of Bioinformatics, Alagappa University, Karaikudi, Tamil Nadu, India	11 th -13 th December, 2019	Co-Convener	I
	3 rd International	Department of	18-19 March,	Chaired the	I

	Conference on "Applied Nanoscience & Nanotechnology" (ICANN-2019)	Nanoscience and Technology, Alagappa University, Karaikudi	2019	session	
Dr. M. Karthikeyan	Online capacity building programme for faculty member and research scholars	Alagappa university, Karaikudi, Tamil Nadu, India, under the sponsorship of UGC STRIDE Component -1 scheme	12 th – 23 rd June 2020.		N
	Online AICTE recognized faculty development programme Resresher course on Application of Nanoscience in Modern Day Research and Technology	Applied Science Department NITTR, Chandigarh, India.	19 th June – 2 nd July 2020		N
Dr. RM. Vidhyavathi	Two-Day International Conference on Recent Trends in Bioplastics.	Department of Microbiology, Alagappa University, Karaikudi.	9 th and 10 th December 2019.		I
	Three-day International Workshop on E-Content Development for MOOCs among the Faculty Members.	Digital Education Cell, Alagappa University, Karaikudi.	10 th to 13 th September 2019		I
	International Conference on Computational Intelligence and Applications (ICCIA-2019).	Department of Computational Logistics, Alagappa University, Karaikudi	8 th -9 th August 2019		I
	UGC-Sponsored Resresher Course in Life Sciences (Interdisciplinary)	UGC-Human Resource Development centre, Bharathidasan University, Tiruchirappalli	16.07.2019 to 29.07.2019		N
	International Conference on Innovative and Emerging Trends in Botany (ICIETB)	Department of Botany, Alagappa University, Karaikudi.	06 th and 07 th Nov 2019		I
	International Conference on Recent Trends in	Department of Microbiology, Alagappa	09 th and 10 th Dec. 2019		I

Dr. J. Joseph Sahayarayan	Bioplastics (RTB - 2019)	University, Karaikudi.			
	National Workshop on Gene Transfer Technology in Plant Cells	Department of Biotechnology, Mother Teresa Women's University, Kodaikanal	03 rd to 07 th Sep. 2019		N
	UGC-Sponsored Refresher Course in Life Sciences (Interdisciplinary)	UGC – Human Resource Development Centre, Bharathidasan University, Tiruchirappalli	16.07.2019 – 29.07.2019	-	N
Dr. P. Boomi	International Webinar Series on Application of Bioinformatics in drug design- (COVID-19)	Department of Biotechnology, KIT, Coimbatore.	May 13 th 2020		I
	Three Days International Virtual Seminar on The Role of Nanotechnology Against COVID 19	Department of Nanoscience and Technology, Alagappa University, Karaikudi.	May 20-22 nd 2020		I
	International Webinar Series on Gene and Drug Delivery Systems for Therapeutic Applications	School of Chemical and Biotechnology SA STRA Deemed to be University	May 29 th 2020		I
	One day Workshop on Practicing Nai Talim, Experimental Learning, Community Engagement and Vocational Education	Alagappa University College of Education & Centre for Gandhian Studies, Alagappa University, Karaikudi	Sep. 3 rd , 2019		N
	One day Workshop on Water conservation	Department of Microbiology, Alagappa University, Karaikudi.	Nov. 22 nd , 2019		N
	UGC-Sponsored Refresher Course in Life Sciences (Interdisciplinary)	UGC – Human Resource Development Centre, Bharathidasan	16 to 29.07.2019	-	N

		University, Tiruchirappalli			
Dr. V. K. Langeswaran	World Congress on Leptospirosis	ICMR- RMRC jointly with WHO at Port Blair, Andaman & Nicobar Island, India.	Nov 2019		I
	International conference on "Recent Trends in Bioplastics.	Department of Microbiology, Science Campus, Alagappa University, Karaikudi.	Dec 2019		I
	International conference on Structural Bioinformatics and Computer Aided Drug Design – 2019 (ICSBCADD - 2019)	Department of Bioinformatics, Alagappa University, Karaikudi.	Dec 2019		I
	International conference on Environmental and Life Science (ICELS)	Putrajaya, Malaysia	Sep 2019		I
	International conference on Advanced Materials for sustainable energy and sensors	Department of Physics, Alagappa University, Science campus, Karaikudi.	Sep 2019		I
	4th Annual Conference of the Society for the Study of Xenobiotics (SSX-2019).	IISC, Bangalore.	Sep 2019		I
	UGC-Sponsored Refresher Course in Life Sciences (Interdisciplinary)	HRDC, Bharathidasan University, Tiruchirappalli	16-07-2019 to 29-07-2019		N
	9th National conference on Natural Sciences	Bose Science Society at Pushkaram College of Agriculture Sciences, Pudukkottai, Tamil Nadu.	Aug 2019		N
	Three Days	Alagappa	Jun 2019		N

	Workshop on Research Methods and Latex	University, Karaikudi.			
	Biomedical Applications in Translational Research (BATR-2019)	Department of Biomedical Sciences, Science campus, Alagappa University, Karaikudi.	Jun 2019		N
	Theme Meeting on "Environmental Receptivity of Industrial Effluents and Their Influence on Marine Ecology & DAE Technologies for Water Treatment"	Department of Biotechnology, Alagappa University Karaikudi.	Aug 2019		N

Total Number: 58

Presented: 27

Attended:

31

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	N/I
Dr. J. Jeyakanthan	Ligand-based Pharmacophore Mapping and Virtual Screening for Identification of Potential Discoidin Domain Receptor 1 Inhibitors	Journal of Biomolecular Structure and Dynamics	3.310	I
	Evolutionary Significance and Functional Characterization of Streptomycin adenylyltransferase from <i>Serratia marcescens</i>	Journal of Biomolecular Structure and Dynamics	3.310	I
	Sertraline as a Promising Antifungal Agent: Inhibition of Growth and Biofilm of <i>Candida auris</i> with Special Focus on the Mechanism of Action <i>In vitro</i>	Journal of Applied Microbiology	2.683	I
	Insights into Exogenous Tryptophan-Mediated Allosteric Communication and Helical Transition of TRP Protein for Transcription Regulation	Journal of Chemical Information and Modeling	3.966	I
	MRPC: Missing Regions in Polypeptide Chains - A Knowledgebase	Journal of Applied Crystallography	3.161	I
	Exploring genetic targets of psoriasis using genome wide association studies (GWAS) for drug repurposing	3 Biotech	1.786	I

	IMRPS: Inserted and Modified Residues in Protein Structures: A Database	Journal of Applied Crystallography	3.161	I
	Structural insights on binding mechanism of CAD complexes (CPSase, ATCase and DHOase)	Journal of Biomolecular Structure and Dynamics	3.310	I
	Prediction of small molecule inhibitors targeting the novel coronavirus (SARS-CoV-2) RNA-dependent RNA polymerase.	OSF Preprints	-	
	<i>In silico</i> characterization of the NiRAN domain of RNA-dependent RNA polymerase provides insights into a potential therapeutic target against SARS-CoV2	OSF Preprints	-	‡
	Functional characterization of streptomycin adenylyltransferase from <i>Serratia marcescens</i> : An experimental approach to understand the Antibiotic Resistance mechanism	BMC Infectious Diseases	2.688	I
	Technology Enhanced Learning in Higher Education status and Strategies	International Journal of Higher Education and Research	Peer Reviewed	I
Dr. Sanjeev Kumar Singh	<i>In silico</i> insights on Disialoganglioside GD2: A Potential target for Pediatric Neuroblastoma	Current topics in medicinal chemistry	3.44	I
	Targeting the NTPase site of Zika virus NS3 helicase for inhibitor discovery	Journal of Biomolecular Structure and Dynamics	3.31	I
	Effect of Amino Acid Substitution in the Penaeus monodon LGBP and Specificity Through Mutational Analysis	International Journal of Peptide Research and Therapeutics	1.21	I
	Identification of Dual negative allosteric modulators of Group I mGluR family: A shape based screening, ADME Prediction, Induced Fit Docking and Molecular Dynamics approach against Neurodegenerative Diseases	Current topics in medicinal chemistry	3.44	I
	Ion channels as therapeutic targets for type 1 diabetes mellitus	Current Drug Targets	2.64	I
	Molecular docking and molecular dynamics simulation studies to identify potent AURKA inhibitors: Assessing the performance of density functional theory, MM-GBSA and mass action kinetics calculations	Journal of Biomolecular Structure and Dynamics	3.31	I
	Current Computational Approaches for the Development of Anti-HIV Inhibitors: An Overview	Current pharmaceutical design	2.41	I

<i>In silico</i> insights on IL-6: A Potential target for Multicentric Castleman Disease	Current computer-aided drug design	1.20	I
Cdk5: A main culprit in neurodegeneration	International Journal of Neuroscience	1.85	I
Energetically optimized pharmacophore modeling to identify dual negative allosteric modulators against group I mGluRs in neurodegenerative diseases	Journal of Biomolecular Structure and Dynamics	3.31	I
Daucosterol disturbs redox homeostasis and elicits oxidative-stress mediated apoptosis in A549 cells via targeting thioredoxin reductase by a p53 dependent mechanism	European Journal of Pharmacology	3.17	I
Identification of high-affinity small molecule targeting IDH2 for the clinical treatment of acute myeloid leukemia	Asian Pacific Journal of Cancer Prevention		I
Identification of Potent VEGF Inhibitors for the Clinical Treatment of Glioblastoma, A Virtual Screening Approach	Asian Pacific Journal of Cancer Prevention		I
A Computer - Aided Drug Designing for Pharmacological inhibition of ALK inhibitors induces apoptosis and differentiation in Non-small cell lung cancer	Current topics in medicinal chemistry	3.37	I
Identification of High affinity small molecules targeting Gamma Secretase for the treatment of Alzheimer's Disease	Current topics in medicinal chemistry	3.37	I
α -bisabolol β -D-fucopyranoside as a potential modulator of β -Amyloid peptide induced neurotoxicity: an <i>in vitro</i> & <i>in silico</i> study	Bioorganic Chemistry	3.92	I
Functional Inhibition of VEGF and EGFR Suppressors in Cancer Treatment	Current topics in medicinal chemistry	3.37	I
Structural dynamic studies on identification of EGCG analogues for the inhibition of Human Papillomavirus E7	Scientific Reports	4.01	I
Structural Insights into the Molecular Design of ROS1 inhibitor for the treatment of Non-Small Cell Lung Cancer (NSCLC)	Current computer aided drug designing	1.2	I
Identification of new anti-CoV drug chemical compounds from Indian spices exploiting SARS-CoV-2 main protease as target	Journal of Biomolecular Structure and Dynamics	3.31	I

	Characterization and structural analysis of prophenoloxidase in mudcrab <i>Scylla serrata</i> and discovering novel chemical inhibitors through virtual screening	Structural Chemistry	1.62	I
	Investigating into the molecular interactions of flavonoids targeting NS2B-NS3 protease from ZIKA virus through <i>in-silico</i> approaches	Journal of Biomolecular Structure and Dynamics	3.31	I
	Combining <i>in silico</i> and <i>in vitro</i> approaches to identification of potent inhibitor against phospholipase A2 (PLA2)	International Journal of Biological Macromolecules	4.78	I
	Constitutive inflammatory cytokine storm: A major threat to human health	Journal of Interferon & Cytokine Research	1.77	I
	Mechanistic insights into Zika virus NS3 helicase inhibition by Epigallocatechin-3-gallate	ACS Omega	2.87	I
Dr. M. Karthikeyan	Tannic acid prevents macrophage-induced pro-fibrotic response in lung epithelial cells via suppressing TLR4-mediated macrophage polarization.	Inflammation Research	3.061	I
	Global Text Mining and Development of Pharmacogenomic Knowledge Resource for Precision Medicine	Frontiers in Pharmacology	3.845	I
	<i>In silico</i> insights on Tankyrase protein: a potential target for colorectal cancer	Journal of Biomolecular Structure and Dynamics	3.310	I
	Investigation of drug interaction potentials and binding modes on direct renin inhibitors. A computational modeling study	Letters in Drug Design and Discovery	0.924	I
	Computational study on Cross-talking Cancer Signalling Mechanism of Ring Finger Protein 146, Axin and Tankyrase Protein Complex.	Journal of Biomolecular Structure and Dynamics	3.310	I
	Computational and Pharmacogenomic Insights on Hypertension Treatment: Rational Drug Design and Optimization Strategies	Current Drug Targets	3.10	I
	Design and synthesis of imidazole-based zinc binding groups as novel small molecule inhibitors targeting Histone deacetylase enzymes in lung cancer.	Journal of Molecular Structure	2.120	I
	Structural insights on Vitamin D receptor and screening of new potent agonist molecules: Structure and ligand-based approach	Journal of Biomolecular Structure and Dynamics	3.310	I
Dr. RM. Vidhyavathi	Computational biology approaches revealing novel target in vascular wilt	Journal Pure Applied Microbiology	-	I

	pathogen <i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i> for the ligands of marine actinobacterial origin			
	Comparative Performance Analysis of Apache Spark and Map reduce using K-Means	International Journal on Emerging Technologies	-	I
	Deep Neural Network with moth Search optimization algorithm-based detection and classification of diabetic Retinopathy images	Journal of SN Applied Sciences	-	I
	Computational identification of miRNA-7110 from pulmonary arterial hypertension (PAH) ESTs: a new microRNA that links diabetes and PAH	Hypertension Research	3.217	I
	Mathematical Model-Based Speech Signals Processing Effects on Human Stress	International Journal of Emerging Trends in Engineering Research	-	I
Dr. J. Joseph Sahayarayan	<i>Bacillus subtilis</i> CBR05 for Tomato (<i>Solanum lycopersicum</i>) Fruits in South Korea as a Novel Plant Probiotic Bacterium (PPB): Implications from Total Phenolics, Flavonoids, and Carotenoids Content for Fruit Quality	Agronomy	2.603	I
	Mathematical Model-Based Speech Signals Processing Effects on Human Stress	International Journal of Emerging Trends in Engineering Research	-	I
	Early Evaluation of Type-2 Diabetics Mellitus Disease	International Journal on Emerging Technologies	-	I
Dr. P. Boomi	Synthesis of <i>Oldenlandia umbellata</i> stabilized silver nanoparticles and their antioxidant effect, antibacterial activity and bio-compatibility using human lung fibroblast cell line WI-38	Process Biochemistry	2.952	I
	<i>Cladophora fascicularis</i> Mediated Silver Nanoparticles: Assessment of Their Antibacterial Activity Against <i>Aeromonas hydrophila</i>	Journal of Cluster Science	1.731	I
	Human serum albumin interaction, <i>in silico</i> and anticancer evaluation of pine-gold nanoparticles	Process Biochemistry	2.952	I
	MMP-9 Responsive Dipeptide-tempted Natural Protein hydrogel-based Wound dressings for accelerated healing action of Infected diabetic wound, International	Journal of Biological Macromolecules	5.162	I
	Screening of inhibitors as potential	Journal of	3.310	I

	remedial against Ebolavirus infection: pharmacophore-based approach	Biomolecular Structure and Dynamics		
	TPGS-mediated one-pot synthesis, XRD structural analysis, antimicrobial evaluation and molecular docking of novel heterocycles as potential inhibitors of p53-MDM2 protein	Journal of Molecular Structure	2.463	I
	Green Biosynthesis of gold nanoparticles using <i>Croton sparsiflorus</i> leaves extract and evaluation of UV protection, antibacterial and anticancer applications	Applied Organometallic Chemistry	3.14	I
Dr. V.K.Langeswaran	Anti-tumorigenic efficacy of Tangeretin in Liver Cancer – An <i>in-silico</i> approach.	Journal of Current Computer-Aided drug design.	1.4	I
	Screening of inhibitors as potential remedial against Ebolavirus infection: Pharmacophore-based approach.	Journal of Biomolecular Structure and Dynamics.	3.4	I
	Cadmium toxicity on estuarine edible crab <i>scylla serrata</i> with reference to ovarian maturation.	Innovative Journal of Medical and Health Science.	-	I
	Toxicological perspective of cadmium on Estuarine Edible Crab <i>Scylla serrata</i> regarding ovarian Maturation.	Journal of Biomedical Research.	0.30	I
	Study on Recognition of Novel RACK1 protein Inhibitors for Small Cell Lung Cancer outlined by pharmacophore based Virtual Screening and Molecular Docking.	Journal of Biocatalysis and Agricultural Biotechnology	2.14	I
	Inhibition Studies of HBV DNA polymerase using seed extracts of <i>Pongamia pinnata</i> .	Journal of Bioinformation	0.44	I
	Antioxidant, anti-microbial and anti-cancer effectiveness of marine macro alga <i>Ulva fasciata Delile</i> .	Biomedical Research	0.30	I
	Identification of novel inhibitor targeting Fyn kinase using molecular docking analysis.	Journal of Bioinformation	0.44	I
	Identifying Dual Leucine Zipper Kinase (DLK) inhibitors using E-Pharmacophore screening and molecular docking.	Journal of Receptors and Signal Transductions	2.29	I

Total Number: 69

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr. Sanjeev Kumar Singh	Phage protein interactions in the inhibition mechanism of bacterial cell Biocommunication of Phages	Springer Nature, ISBN:978-3-030-45884-3

	Bacteriophage as a therapeutic agent to combat bacterial infection: A journey from history to application. Biocommunication of Phages	Springer Nature, ISBN:978-3-030-45884-3
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Total Number: **03**

12. Awards /Prizes /Medals won by Staff Members during 2019-20

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
Dr. P. Boomi	Young Visiting Research Award (25.10.02019)	School of Biological and Food Engineering, Anyang Institute of Technology, Henan province, China	25000 /-
Dr. V. K. Langeswaran	Received Har Gobind Khorana Best Young Scientist Award from Bose Science Society.	Tamil Nadu Scientific Research Organization, Tamil Nadu, India.	-
	Received Dr. A.P.J Abdul Kalam Award for Scientific Excellence for the Year 2019 from Marina Labs, Chennai.	Marina Labs, Chennai.	

14. (b) Collaborative Assignments by Department / Faculty during 2019-20

Name of Faculty	Collaborating Institution	Thrust Area	Outcome	Intrinsic Value (Rs. Lakhs)
Dr. J. Jeyakanthan	IIT Madras	Structural Biology	Research Publications	69.38
	NSRRC, Taiwan	Structural Biology	Protein Crystallography and Research Publications	73.72
Dr. Sanjeev Kumar Singh	Indian Institute of Technology – IIT, Mandi (Co – PI), MHRD-SPARC	Biophysics of Zika virus Envelope protein, membrane fusion and inhibitor discovery (CO-P.I)	Research Publications	97.23

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
06.08.2019	Fresher's day	Alagappa University	50
20 th to 22 nd October, 2019	Village Extension Program	Unjanai	11
04.10.2019	Pooja Celebration	Alagappa University	60
10.01.2020	Pongal Celebration	Alagappa University	60

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	1. R. Banu	RUSA. 2.0 – Rs. 13,000/-
VOC/PMT Scholarship awarded	M.Sc. I year - 03 1. Shalini C 2. Anitha M 3. Nachammai KT	Alagappa University
	M.Sc. II year - 02 1. R. Banu 2. Sneha	
Education Loans from Bank	-	-
Complete Waiver of Fee	M.Sc. I year - 01 C. Shalini	Alagappa University
UGC/CSIR JRF/NET or SLET	-	-
UGC Rajiv Gandhi Fellowship (SRF)	Research Scholar - 01 Mrs. M. Aarthy	UGC
UGC Indra Gandhi single girl child	-	-
Others (if any) UGC-NF (OBC) SRF	Research Scholars - 07 Ms. Jayashree Biswal	UGC
JRF	Ms. P. Saritha	BRNS
SRF	Mr. D. Prabhu Mr. Umesh Panwar Ms. J. Prajisha Mr. John Marshal Mr. R. Santhosh	ICMR

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	1161.8 m2	Laptops	8	Wi-Fi unit	5
Air Conditioners	39	LCD projector	6	Podium	4
Inverter(UPS)	20 kva – 3 no. 10 kva – 5 no. 5 kva – 2 no.	Xerox machine	7	Interactive board	3
Fax Machines	01	Printers	7		
Computers	114	Phones (including intercom)	14	Others (specify)	

19. Laboratory facilities
(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

DEPARTMENT FACILITIES					
INSTRUMENT					
S.No	Date		Qty	Cost Rs. Lakhs	
1	14.11.2019	Numeric 10 KVA UPS	1	2,31,000	
2	27.09.2019	12 Voltage 20AH exide batteries (27 numbers)	1	2,88,384	
ICT					

1	30.01.2020	Desktop HP computers	7	4,29,100
FURNITURE				
1	11.11.2019	Fabrication Aluminium Partition	1	1,11,500
Dr. J. JEYAKANTHAN				
INSTRUMENT				
ICT				
1	13.11.2019	HP Desktop	2	1,97,750
FURNITURE				
-	-	-	-	-
Dr. SANJEEV KUMAR SINGH				
INSTRUMENT				
ICT				
1	15.11.2019	CPU work station	1	4,28,220
2	15.11.2019	work station	1	2,95,265
FURNITURE				
-	-	-	-	-
Dr. M.KARTHIKEYAN				
INSTRUMENTS				
ICT				
-	-	-	-	-
FURNITURES				
-	-	-	-	-
Dr. R.M. VIDHYAVATHI				
INSTRUMENTS				
-	-	-	-	-
ICT				
1	18.11.2019	Desktop Computers system	2	1,81,720
FURNITURES				
-	-	-	-	-
Total				11,97,973.00

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

DEPARTMENT FACILITIES				
INSTRUMENT				
S.No	Date		Qty	Cost Rs. Lakhs
1	14.10.2019	Biosafety Cabinet	01	5,49,000
ICT				
FURNITURE				
-	-	-	-	-
Dr. J. JEYAKANTHAN				
INSTRUMENT				

1	23.09.2019	Refrigerated Centrifuge	01	9,94,999
Total				15,43,999

20. Special Features of the Department / Centre / College

ix.	The Department of Bioinformatics focuses to develop novel and potent drug candidates against human disorders (Cancer, Diabetes, Hypertension and Chronic Kidney disease) and infectious diseases including bacterial infections (Malaria, Filariasis, TB and Nosocomial infections namely ESKAPE pathogens) and viral infections (Influenza, Dengue, Chikungunya, HIV, ZIKA and COVID-19) through streamlining of both computational and experimental techniques to acquire the novel drug candidates in short period with less side-effects and cost. .
lxi.	The generated data are compiled, stored and maintained in the form of user-friendly databases which can be retrieved easily and will be resourceful for the Scientific Community.
lxii.	On that note, the Department of Bioinformatics will soon be one of the blooming, pioneered and Established Bioinformatics and Computational Centre in India, that will cater to the needs of the students, Researchers, Scientific Community and Society (NATION WIDE) to undertake the challenging sources in the field of Modern Biology.
lxiii.	The Department will provide an extensive support to the intra- and inter-institutional students/also those belonging to rural background and faculties to utilize the computational facility to the maximum extent towards cutting edge advancements in Bioinformatics and Computational Biology.
lxiv.	Moreover, the industry-academia collaboration brought about in the Centre will enhance the training opportunities for the students, research scholars and faculty members. Apart from the training, the Centre will also refine and hone the identified leads to next phase of clinical evaluations leading to product-oriented outcomes in the form of Patents and application oriented resonating Research publications in esteemed journals.

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Local server developed and maintained which contains many utilities such as E-library Database, In-house Protein Databank, Knowledgebases (DAPD, DAMPD, NIMS, MIPS, MRPC, ACMS, Diffraction precision index of macromolecular structures and PDB goodies).
ii.	Innovative Smart Classrooms and 24 x 7 lab with internet facilities have been provided to the students for teaching and research purpose
lii	Extra care and coaching has been given to the slow learners to keep up with the learning pace and also the students are encouraged to take seminars of two units from the prescribed syllabus spontaneously on the spot.
iv	Every year, Hands-on Training (Workshop) has been conducted for the students and other participants to get familiar with the recent developments in the area of Computer Aided Drug Design
v	Journal Club has been organized every alternate Friday for the scholars that will boost their confidence in Research and presentation manner
vi	Career guidance has been conducted for the M.Sc students to enlighten them of various job prospects and opportunities available at different sectors.
vii	Industrial visits will provide broad exposure in various disciplines at reputed institutes and meeting the eminent scientists
viii	Outstanding scholars will be given opportunity to visit sophisticated laboratories to carry out their research work at premier institutes
ix	Coaching and Preparation has been provided to the students to take up Competitive exams through Study circle.
x	Encouraging the students to participate in National/International Conferences and Workshops.
xi	Training the students to prepare and develop the Magazine/ Journal of the Department
xii	Students have been encouraged to participate and involve in Extra-curricular activities (Sports, Yoga and following the schemes laid out by our Hon'ble Prime Minister Narendra Modi – Swachchh Bharat, Swasth Bharath, Skill India Mission, Digital India Mission, Start-up India and NPTEL-SWAYAM).

3.b: Details of International / Other State students:02

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
M.Sc Botany	-	-	-	-	-	02	-	02	02

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	01	04	-	-	05	01	10	05	04	20
PG-II Year	-	02	01	01	04	-	07	03	06	16
M. Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	01	01	-	01	-	-	01
Total	01	06	01	02	10	-	02	01	01	37

Grand Total: 47

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	01	04	-	-	05	01	08	05	03	17
PG-II Year	-	02	01	01	04	-	07	03	06	16
M.Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	01	01	-	01	-	-	02
Total	01	06	01	02	10	01	16	08	09	35

Grand Total: 45

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	RUSA 2.0	2019-2020	146	1,98,947.00
Indian Journals	-	-	-	
International Journals	-	-	-	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr.A.Arugam	1	7	-	-	-	-	-	-
Dr. G. Rajeswari	-	-	-	-	4	3	9	11

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. A. Arumugam	2019	2021	RUSA	Biocompatible properties of nano-drug carriers using TiO ₂ - Au embedded on multiwall carbon nanotubes for targeted drug delivery applications	4.74

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	6 th – 7 th NOVEMBER 2019	Innovative and Emerging Trends in Botany [ICIETB' 2019]	173	15	141	International

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment/ Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	22.08.2019	RUSA 2.0	Dr.Mohanraj Manangeeswaran	MODELING AND EBOLA VIRUS INFECTIONS IN MICE. WHAT HAVE WE LEARNT SO FAR?	73

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr.G. Rajeswari	Two day International Workshop on 'Design and Development of Technology Enabled Courseware'	Department of Education, DDE, Alagappa University	05.12.2020 & 06.12.2020	Attended	International
	One day National Symposium on 'Sardar Vallabhai Patel: An Iron Willed Visionary of India'	Department of History, Alagappa University	27.01.2020	Attended	National
	National Workshop on 'IRINS: Adaption & Promotion'	INFLIBNET Centre, Gandhinagar Gujarat in collaboration with Alagappa University	08.02.2020	Attended	National
	World Philosophy day Celebration	Department of Social work, Alagappa University sponsored by ICPR, New Delhi	13.02.2020	Attended	National
	International Conference on	Department of Education,			'Gandhian Life Style:

	'Mahatma Gandhi's Contributions to Education, Culture and Society'	DDE, Alagappa University	26.02.2020 & 27.02.2020	Implications in the present Context'	
	National Conference on Nurturing the Minds of Prospective Teachers in Wellness Education.	Dr. M.G.R. Educational and Research Institute, Chennai	05.03.2020	'Sustainable Development of Mental and Physical Health Through Meditation'	National
	National Workshop on 'Cognition and Teaching Competence'	Alagappa university College of Education	06.03.2020	Attended	National
	International Annual Women's Meet – VIWA 2020	Venus International Foundation, Chennai	07.03.2020	Attended	International
	Two-day National workshop on 'Universal Design for learning Embedded with Assistive Technology for Children with Special Needs – UDLAT 2020	Department of Special Education and Rehabilitation Science, Alagappa University	09.03.2020 & 10.03.2020	Attended	National
	Two Weeks Faculty Development Programme on 'Managing Online Classes and Co-creating MOOCs'	Teaching Learning Centre, Ramanujan College, University of Delhi, sponsored by MHRD - PMMMMMTT	18.05.2020 to 03.06.2020	Attended	National

Total Number:10

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr. A. Arumugam	Facile and Cost-Effective Ag Nanoparticles Fabricated by <i>Lilium lancifolium</i> Leaf Extract: Antibacterial and Antibiofilm Potential	Journal of Cluster Science Vol.:30, Page No.: 1081–1089, Year:2019	1.73	International
Dr.G. Rajeswari	Enhancing Teaching Competency through Bio-Cognitive	International Journal of Advanced Science and Technology, February 2020		

	Strategies among B.Ed. Students	Vol.29, Issue 2, 40 – 52 2005-4238		
	Metalinguistic Skills of Prospective Teachers	Journal of Information and Computational Science, March 2020. Vol.10, Issue. 3, 1414 – 1419, 1548-7741		
	Social Cognition and Environmental Ethics	Journal of Xidian University, March 2020. Vol.14, Issue. 3, 1125-1128, 1001-2400		

Total Number: 04

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr.M. Sanmuga Revathi, G..Rajeswari & Dr.A.R. Saravanakumar	Educational Evaluation	Shanlax Publications ISBN: 978-93-88398-93-0

Total Number: 01

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
22.08.2019	Special Lecture	7 th Floor Seminar Hall	73
20.09.2019-22.09.2019	VEP	Melamanakudi	25
05.09.2019	Teacher's Day	7 th Floor Seminar Hall	57
27.09.2019	Alutes	Convocation Hall	20
04.10.2020	Pooja Celebration	7 th Floor Seminar Hall	57
16.10.2019	world habitat day	4 th Floor Seminar Hall	80
14.01.2020	Pongal Celebration	7 th Floor Seminar Hall	57
26.01.2020	Tree Plantation	Alagappa university	100
07.03.2020	Women's day	7 th Floor Seminar Hall	57

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	-	-
VOC/PMT Scholarship awarded	-	-
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	1	-
UGC Rajiv Gandhi Fellowship	-	-
UGC Indra Gandhi single girl child	-	-
Others (if any)	6	National Nutrition Week Celebration-2019
	8	Intl. women's Day Celebration-2020

18. Infrastructure facilities in the Department / College: Botany

Item	Quantum	Item	Quantum	Item	Quantum
Building space	22000	Laptops	-	Wi-Fi unit	1
Air Conditioners	8	LCD projector	3	Podium	2
Generator/Inverter	1	Xerox machine	1	Interactive board	3
Fax Machines	-	Printers	1		
Computers	20	Phones (including intercom)	6	Others (specify)	

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Orbital shaker	73,500.00

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
FTIR	E-12150
Lyophilizer	5,45,000.00

20. Special Features of the Department / Centre / College

lxv.	<p>Botanical Garden</p> <p>The Botany Department has an impressive 6 Acre Botanical garden, having a collection of over 390 species of 210 genera from 75 families of plants. Its special features include a collection of 22 species of palms, threatened and endangered plants and medicinal plants for special botanical interest. Yearly 1lakh People Visited Botanical garden, and Generated Rs.10 Lakhs for year.</p> <p>Department Library</p> <p>The departmental library has a collection of over 700 text books and reference books in Biology. M. Phil. and Ph.D. theses of the students who have been awarded the respective degrees are also available for reference work.</p> <p>Field Facility</p> <p>The Department has facilities to carry out field experiments in the Botanical garden. Experimental plots and Sprinkler irrigation facility is available.</p> <p>Computer and Internet Facility</p> <p>The department has a well-equipped computer and Internet facility for conducting practicals in Biostatistics and bioinformatics. WIFI connectivity is available within the Department, which is accessed by most students.</p> <p>Microphotography Facility</p> <p>The Department has several stereo-zoom, bright field, phase contrast and fluorescence microscopes with imaging attachments which are available to research students and faculty.</p> <p>Culture Facilities</p> <p>The department has the facilities for aseptic manipulations, transfer and incubation to raise in vitro cultures of algae, bacteria, fungi, and higher plants. These include laminar airflow cabinets, shakers, incubators and incubation rooms.</p> <p>Herbal Garden</p> <p>The Herbal Garden attached to the department is well laid and spread over an area of 10 acres of land with sound underground irrigation facilities, concrete roads and zigzag paths. The plant wealth of the garden includes 450 species of trees, shrubs and climbers. Each plant is provided with a nameplate, giving information about the botanical and family name.</p> <p>Two greenhouses are of special interests which have a fairly good collection of 500</p>
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	medicinal plants. The plant house stands out as a good attraction which has facilities for providing artificial rain.
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21. Best / Innovative Practices followed in the Department / Centre / College

i.	<p>Title of the practice:</p> <p>Inculcation of research attitude, creative skills and awareness about plants and environment in students.</p> <p>Objectives of the practice:</p> <p>This practice has been effectively implemented for the stakeholders with the following objectives:</p> <ul style="list-style-type: none">• To inculcate research attitude.• To spread awareness about plants and the environment.• To provide a platform for interaction of students with the faculty of the department.• To improve creative skills in the students. <p>The Context:</p> <ul style="list-style-type: none">• Special Lecture Series is organized each year in the Department in the eminent botanist and teacher who steered the department to success in its infancy.• The world of plants holds the solution to most of our problems namely Environment and Earth, the major issues faced globally.• To throw light on this aspect of plants, students are encouraged to portray their knowledge about plants and environment in the form of a poster, rangoli, flower arrangement, fruit art, and models.• This not only provides an outlet to their innovative ideas but also puts to test their creative skills. Students are able to interact with the past faculty of the department and gain from their expertise and knowledge.• A lecture is organized in which eminent people in the field of plant sciences are invited. This introduces the students to the latest happenings in the world of plants. Keeping the above objectives in mind various departments in our institute have formulated events which serve as a platform where interaction, presentation of research by students is the main aim. <p>The Practice: I</p> <ul style="list-style-type: none">• Department of Botany has encourages the students to prepare models, posters on the themes are given. Students of the college are invited to present their work related to the theme of the event in the form of Paper, Posters, Models, Rangoli, Flower arrangement or Fruit art. The best presenters, posters, models are awarded which creates a positive competition in the students. Also, the students are able to interact amongst the peers which help widen their perspectives about the topic.• Evidence of Success Each year the participation of students has shown
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overwhelming response.

- The feedback from the students is positively encouraging.
- The students have formed a BOTANISTS CLUB to spread the popularity of Plant Sciences.

BEST PRACTICE: II

- Title of the practice: Budding Botanists Club.
- Objectives of the practice: This practice has been effectively implemented by the students with the following objectives:
- To develop a team solely dedicated to Plant Sciences.
- To spread awareness about plants.
- Maintenance and enrichment of Seed Bank and Herbarium in the department.
- To take part in activities which are related to the development of the Plant science subject.

The Context:

- The Budding Botanists Club came into existence in 10th October 2016 and is a team of Representative teachers of the three specializations offered by the Department namely, Botany, Plant Protection and Seed Technology
Coordinator: Student Treasurer: Members: All Students of M.Sc I and II
The registration fees for the members is Rs 20/- and for other college students o the following activities have been covered by the club: As its first activity, The Club pioneered the establishment of Seed Bank in the Department on the day of its establishment.



24. DEPARTMENT OF MICROBIOLOGY

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. A. Arun	Associate Prof and Head (i/c)	M.Sc., M.Phil, Ph.D., PGDCA	30.01.2016
Dr. T. Kavitha	Assistant Professor	M.Sc., M.Phil, Ph.D	30.01.2016
Dr. T. Sathiamoorthi	Assistant Professor	M.Sc., M.Phil, Ph.D	01.02.2016
Dr. V. Balasubramanian	Assistant Professor	M.Sc., Ph.D	17.02.2016
Dr.G. S. Senthil	Teaching Assistant (Temp.)	M.Sc., M.Phil., Ph.D	01.10.2019

Total Number: 5

No. of faculty with Ph.D: 5

No of faculty with IT Skills: 5

1. (b) Members of the Non-teaching Staff:

Name	Designation	Qualification
Mrs. G. Suba (Temporary)	Master Technician	M.Sc., M.Phil.
Ms. V. Senbagam (Temporary)	Clerical Assistant	B.E.
Mr. P. Alaguvijay (Temporary)	Office Assistant	B.A

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	0	1	0	2	-	1	0	0	4
Addition during 2019-20	-	1 (Temp.)	-	-	-	-	-	-	1

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	-	-	1 (Temp.)	-	1 (Temp.)	-	-	2
Addition during 2019-20	-	-	-	-	-	1 (Temp.)	-	-	1

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc. Microbiology	ii	M.Phil. Microbiology
iii	Ph.D. Microbiology	iv	---

3. a. Students Strength (I YEAR)

Program (PG/M.Phil/Cert/Dip./ PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Microbiology	79	0	3	0	1	1	14	10	5	34
M. Phil Microbiology	2	0	0	0	0	0	2	0	0	2
Total	81	0	3	0	1	1	16	10	5	36

Students Strength (II YEAR)

Program	Male	Female	Total
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	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc. Microbiology	0	3	1	0	0	16	7	3	30
Total	0	3	1	0	0	16	7	3	30

Students Strength (III YEAR) - NA

M.Phil. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Phil.	0	0	0	0	0	2	0	0	2

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)	0	1	0	0	0	1	0	1	3
Ph.D. (Part-Time)	0	0	0	0	0	0	0	0	0

3.b: Details of International / Other State students: Nil

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	0	3	0	1	4	1	13	10	4	28
PG-II Year	0	3	1	0	4	0	16	6	3	25
M. Phil.	0	0	0	0	0	0	2	0	0	2
Ph.D.	0	0	0	0	0	0	1	0	1	2
Total	0	6	1	1	8	1	32	16	8	57

Grand Total: 65

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	0	3	0	1	4	1	13	10	4	28
PG-II Year - Result to be announced	0	3	1	0	4	0	16	6	3	25
M.Phil.	0	0	0	0	0	0	2	0	0	2
Ph.D.	0	0	0	0	0	0	1	0	1	2
Total	0	6	1	1	8	1	32	16	8	57

Grand Total: 65

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	226	110	336	1,98,297.00
Indian Journals	-	-	-	
International Journals	-	-	-	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed	Funded Projects Completed	Research Publications	Conferences Seminars Workshops
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			National / Inter national	National	Inter national	Books/ Materials	attended	
	Ph.D.	M.Phil.					Nati onal	Inter national
Dr. A. Arun	3	-	1	-	11	5	2	29
Dr. T. Kavitha	-	-	-	-	2	2	1	9
Dr. T. Sathiamoorthi	-	-	-	-	1	2	3	4
Dr. Balasubramanian V.	-	-	-	-	1	3	3	3

7. Individual Projects

7. (a) Completed during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. A. Arun	15.05.2019	14.05.2020	Galaxy Research Technologies	Poly-hydroxyl-Alkonates (PHA) biopolymer research	3.6

Total Number: 1

7. (b) Sanctioned and Ongoing during 2019-20:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr. A. Arun	15.03.2019	14.03.2021	MHRD – SPARC	Cost Effective, Modified Microbial Bioplastics [Poly Hydroxyl Butyrate (PHB) And Poly Lactic Acid (PLA)] as an Alternative for the Petroleum Derived Plastics	56.57673
Dr. T. Kavitha	21.08.2017	21.08.2020	DST – SERB (ECR)	Evaluation of Tomato Associated Rhizobacteria for Biocontrol of Wilt Pathogen <i>Fusarium oxysporum</i>	14.29252

Total Number: 2

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	09.12.2019 – 10.12.2019	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	149	9	113	International
2	27.05.2020	Webinar on Biopolymers: Renewable Resources for Human Utilization	530	3	-	International
3	28.05.2020	One Day Webinar on Trends in Microbiology	75	4	-	International

Total Number: 3

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr. A. Arun	Sixth International Symposium Frontiers in Polymer Science	Elsevier Publications and Materials today, Budapest, Hungary	5 th to 8 th May, 2019	Optimization, Production and Characterization of Polyhydroxybutyrate by <i>Bacillus megaterium</i> Isolated from Marine Environment	International
Dr. A. Arun	6 th International Conference on Bio-Sensing Technology	Elsevier Publications, Malaysia	16 th to 19 th Jun, 2019	Carbon dots-silver nanohybrid using white-rot mushroom: Metal sensing, bioimaging, antimicrobial, and DNA binding studies	International
Dr. A. Arun	2 nd International conference on Molecular Physiology and Experimental Medicine (MP-TEM 2019)	Department of Animal Health & Management, Alagappa University	24 th & 25 th Jul, 2019	Chairperson	International
Dr. A. Arun	Helix Association	Department of Biotechnology & Bioinformatics , Bishop Heber College (Autonomous) , Trichy	5 th Aug, 2019	Inauguration Address and Special Talk	National
Dr. A. Arun	Sanitation and Personal Hygiene	Centre for Swachh Bharat & Swasth Bharat, Alagappa University, Karaikudi	29 th Aug, 2019	Inauguration Address	National
Dr. A. Arun	International Conference on Multifunctional and Hybrid Department of Chemical Engineering	National Institute of Technology, Tiruchirappalli , Tamil Nadu, India	9 th to 11 th Sep, 2019	Assessment of septic tank wastewater consortium in microbial fuel cell under iron-deficient condition	International
Dr. A. Arun	International Conference on Multifunctional and Hybrid Department of Chemical Engineering	National Institute of Technology, Tiruchirappalli , Tamil Nadu,	9 th to 11 th Sep, 2019	Bioelectricity generation using clay cup single chamber microbial fuel cell	International

		India		utilizing septic tank wastewater	
Dr. A. Arun	Invited lecture	Department of Polymer Science and Engineering, School of Chemical Engineering and Technology, Tianjin University, Tianjin, China	31 st Oct, 2019	Microbiological Research on Bioplastics, Bioenergy and Bioremediation	Inter national
Dr. A. Arun	Invited talk	Beijing Key Laboratory of Lignocellulosic Chemistry, College of Material Science and Technology, Beijing Forestry University, Beijing, China	1 st Nov, 2019	Research work going on at Alagappa University	Inter national
Dr. A. Arun	International Conference on Innovative and Emerging Trends in Botany (ICIETB – 2019)	Department of Botany, Alagappa University, Karaikudi, India	6 th & 7 th Nov, 2019	Bioelectricity production in microbial fuel cell using novel electrogenic marine bacteria	Inter national
Dr. A. Arun	International Conference on Innovative and Emerging Trends in Botany (ICIETB – 2019)	Department of Botany, Alagappa University, Karaikudi, India	6 th & 7 th Nov, 2019	Decolourization and biodiesel production by microalgae isolated from textile industry effluents	Inter national
Dr. A. Arun	International Conference on Innovative and Emerging Trends in Botany (ICIETB – 2019)	Department of Botany, Alagappa University, Karaikudi, India	6 th & 7 th Nov, 2019	Bio hydrogen production conditions from dairy wastewater by dark fermentation with <i>Acinetobacter junii</i>	Inter national
Dr. A. Arun	International Conference on Innovative and Emerging Trends in Botany (ICIETB – 2019)	Department of Botany, Alagappa University, Karaikudi, India	6 th & 7 th Nov, 2019	Isolation, screening and characterization of polyhydroxybutyrate (PHB) producing bacteria from agricultural soil	Inter national
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent	Department of Microbiology, Alagappa	9 th & 10 th Dec, 2019	Poly Lactic acid production using food and orange	Inter national

	Trends in Bioplastics (RTB -2019)	University, Karaikudi, India		waste isolates	
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Dye Decolourization and biodiesel production by microalgae isolated from textile industry effluents	International
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Isolation, screening and optimization of biohydrogen producing bacteria from rice mill waste water with batch and large scale experiment	International
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Effect of acrylic varnish on bioelectricity generation using clay cup single chamber microbial fuel cell utilizing septic tank wastewater	International
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Zinc based iron mixed oxide catalyst for biodiesel production from <i>Enteromorpha intstinalis</i> , <i>Caulerpa racemosa</i> & <i>Hypnea musiciformis</i> and antibiofilm analysis using leftover catalyst after transesterification	International
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi,	9 th & 10 th Dec, 2019	Enhancing Electricity Production in Microbial Fuel Cell Using	International

		India		Basidiomycetes Fungi as Biocathode	
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Studies on effects of pH and carbon sources on the production of Polyhydroxybutyrate by <i>Lactobacillus sp.</i>	International
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Innovative practices of PHB accumulation and desalination by using algal isolates under single roof cultivation	International
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Microalgae, a promising feedstock for biodiesel production Innovative practices of PHB accumulation and desalination by using algal isolates under single roof cultivation	International
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Optimization of Polyhydroxybutyrate (PHB) Biopolymer Synthesis by <i>Staphylococcus sp.</i>	International
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Optimization, production and characterization of polyhydroxybutyrate by <i>Vibrio sp</i> isolated from the marine environment	International
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics	Department of Microbiology, Alagappa University,	9 th & 10 th Dec, 2019	Effect of Substrate concentration (rice mill	International

	(RTB -2019)	Karaikudi, India		wastewater) and pH for biohydrogen and bioplastic production by photo fermentation	
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Integrative approach to the production of biohydrogen and poly- β - hydroxybutyrate utilizing rice mill wastewater using anaerobic bacterial culture	Inter national
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Heavy Metal Resistant and Antibiotic Sensitive Fresh Water Biofilm Bacterium <i>Acenitobacter pittii</i> Isolated from Karaikudi Domestic Water, Tamil Nadu, India	Inter national
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	In-situ conservation of endangered tree species (<i>Elaeocarpus venustus</i> Bedd.) habitated in Agasthiyamalai Biosphere Reserve, Southern Western Ghats, India	Inter national
Dr. A. Arun	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Natural resource utilization by humans, apparently increases the foraging shift on honey bees	Inter national
Dr. A. Arun	Invited Lecture in "Webinar on Biopolymers: Renewable Resources	Department of Microbiology, Alagappa	27 th May, 2020	Microbe based biopolymers	Inter national

	for Human Utilization”	University, Karaikudi, India			
Dr. A. Arun	Invited Lecture in “One Day Webinar on Trends in Microbiology”	Department of Microbiology, Alagappa University, Karaikudi, India	28 th May, 2020	Bioenergy and Bioremediation	Inter national
Dr. T. Kavitha	UGC-Sponsored Refresher Course in Life Sciences (Interdisciplinary)	UGC-HRDC, Bharathidasan University, Tiruchirappalli, Tamil Nadu, India	16 th – 29 th Jul, 2019	Refresher Course	National
Dr. T. Kavitha	International Conference on Recent Trends in Agriculture, Environmental Sustainability & Climate Change 2019	University of Malaya, Kuala Lumpur, Malaysia	16 th – 18 th Aug, 2019	Exploration of culturable rhizobacterial majority of tomatoes for siderophores and chitinases as barriers to vascular wilt pathogen <i>Fusarium oxysporum f. sp. Lycopersici</i>	Inter national
Dr. T. Kavitha	First International conference on Computational Sciences-2019” (ICCS-2019)	Department of Computer Science, Alagappa University, Karaikudi, India	23 rd & 24 th Oct, 2019	Computational biology approaches revealing novel targets in vascular wilt pathogen <i>Fusarium oxysporum</i> for the ligands of actinobacterial origin	Inter national
Dr. T. Kavitha	International Conference on Innovative and Emerging Trends in Botany (ICIETB – 2019)	Department of Botany, Alagappa University, Karaikudi, India	6 th & 7 th Nov, 2019	Enhanced mass production of root nodulating <i>Rhizobium sp.</i> of black gram using agricultural wastes	Inter national
Dr. T. Kavitha	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Biodegradable fungicidal compound Phenol, 2, 4-Bis (1, 1-Dimethylethyl) –	Inter national

				produced by marine <i>Kutzneria sp.</i> , a potent inhibitor of P type-ATPase activity of <i>Pithomyces spp.</i>	
Dr. T. Kavitha	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Rhizobacterial siderophores antagonistic, antistarvation and heavy metal cleanup agents securing the crop productivity	International
Dr. T. Kavitha	International conference on Bioresource Technology for Food, Energy and Environmental Sustainability (ICBTFEES-2020)	Department of Biology, Gandhigram Rural Institute, Dindigal, Tamil Nadu, India	8 th – 10 th Jan, 2020	Fine detailing of tomato rhizobacterial mycetophagy by molecular probing studies: potentials for fortified targeted biological fungicides	International
Dr. T. Kavitha	International conference on Bioresource Technology for Food, Energy and Environmental Sustainability (ICBTFEES-2020)	Department of Biology, Gandhigram Rural Institute, Dindigal, Tamil Nadu, India	8 th – 10 th Jan, 2020	Enrichment of plant growth promoting and root nodulating bacteria of black gram using agrowaste: study of seed germination and growth parameters	International
Dr. T. Kavitha	International conference on Bioresource Technology for Food, Energy and Environmental Sustainability (ICBTFEES-2020)	Department of Biology, Gandhigram Rural Institute, Dindigal, Tamil Nadu, India	8 th – 10 th Jan, 2020	Potential of siderophore-producing bacteria as antagonistic and heavy metal clean up mediators securing the crop productivity	International
Dr. T. Kavitha	Invited Lecture in “One Day Webinar on Trends in Microbiology”	Department of Microbiology, Alagappa University, Karaikudi, India	28 th May, 2020	Antagonistic Potential of Rhizobacteria	International

Dr. T. Sathiamoorthi	Biomedical Applications in Translational research (BATR-2019)	Department of Biomedical Sciences, Alagappa University, Karaikudi	6 th & 7 th Jun, 2019	Attended	International
Dr. T. Sathiamoorthi	Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM 2019)	Department of Animal Health and Management, Alagappa University, Karaikudi	24 th & 25 th Jul, 2019	Attended	International
Dr. T. Sathiamoorthi	Theme Meeting on Environmental Receptive of Industrial Effluents and Their Influence on Marine Ecology & DAE Technologies for Water Treatment	Board of Research in Nuclear Sciences (BRNS) & Bhabha Atomic Research Centre (BARC), Alagappa University, Karaikudi	9 th & 10 th Aug, 2019	Attended	National
Dr. T. Sathiamoorthi	Water Conversation	Jal Shathi & Environmental Awareness Club, Alagappa University, Karaikudi	22 nd Nov, 2019	Attended	National
Dr. T. Sathiamoorthi	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Potential of Phytoremediation for Dairy Effluent by Constructed Wetland Technology with Aquatic Macrophytes (<i>Eichhornia crassipes</i> and <i>Pistia stratiotes</i>)	International
Dr. T. Sathiamoorthi	Indian Research Information Network System (IRINS): Adaption & Promotion	INFLIBNET Centre, Gandhinagar, Gujarat & Alagappa University, Karaikudi	8 th Feb, 2020	Attended	National

Dr. T. Sathiamoorthi	International Webinar on Novel Approaches: Human Therapy and Animal Nutrition	Directorate of Distance Education - Microbiology Wing, Alagappa University, Karaikudi.	28 th – 30 th May, 2020	Attended	International
Dr. V. Balasubramanian	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Heavy Metal Resistant and Antibiotic Sensitive Fresh Water Biofilm Bacterium <i>Acenitobacter pittii</i> Isolated from Karaikudi Domestic Water, Tamil Nadu, India	International
Dr. V. Balasubramanian	SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	Department of Microbiology, Alagappa University, Karaikudi, India	9 th & 10 th Dec, 2019	Potential Tributyltin (TBT) detoxifying Enterobacter Cloacae from Laccadive Region on Arabian Sea, West Coast of India	International
Dr. V. Balasubramanian	National Conference on "Research Methodology for Life Sciences" (RESMET' - 2020)	Karpagam Academy of Higher Education, Coimbatore	4 th & 5 th March 2020,	Necessitate of <i>In-Silico</i> Approach in the Research Design	National
Dr. V. Balasubramanian	Invited Lecture in "One Day Webinar on Trends in Microbiology"	Department of Microbiology, Alagappa University, Karaikudi, India	28 th May, 2020	Marine biofilm bacteria: A potential antifouling compound screening and characterization	International
Dr. V. Balasubramanian	Two-week National Webinar on "Online Capacity Building Programme"	STRIDE Component – I Scheme, Alagappa University	12 th & 23 rd June 2020,	Attended	National
Dr. V. Balasubramanian	National Webinar on "Technical and Academic Writing"	STRIDE Component – I Scheme, Alagappa University	26 th June 2020,	Attended	National

Total Number: 54

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr. A. Arun	Anaerobic Process for Biohydrogen Production using Keratin Degraded Effluent	Journal of Pure and Applied Microbiology, 13(2), June 2019, 1135-1143	-	International
Dr. A. Arun	Comparative study on <i>Cronobacter sakazakii</i> and <i>Pseudomonas otitidis</i> isolated from septic tank wastewater in microbial fuel cell for bioelectricity generation	Fuel Volume 248, 15 July 2019, Pages 47-55	5.578	International
Dr. A. Arun	Thermal-chemical and biodegradation behaviour of alginic acid treated flax fibres/ poly(hydroxybutyrate-co-valerate) PHBV green composites in compost medium	Biocatalysis and Agricultural Biotechnology Volume 22, November 2019, 101394	-	International
Dr. A. Arun	Biodiesel production from <i>Ulva linza</i> , <i>Ulva tubulosa</i> , <i>Ulva fasciata</i> , <i>Ulva rigida</i> , <i>Ulva reticulate</i> by using Mn ₂ ZnO ₄ heterogenous nanocatalysts	Fuel Volume 255, 1 November 2019, 115744	5.578	International
Dr. A. Arun	Enhanced microbial biodiesel production from lignocellulosic hydrolysates using yeast isolates	Fuel Volume 256, 15 November 2019, 115932	5.578	International
Dr. A. Arun	Simultaneous biohydrogen (H ₂) and bioplastic (poly-β-hydroxybutyrate-PHB) productions under dark, photo, and subsequent dark and photo fermentation utilizing various wastes	International Journal of Hydrogen Energy Volume 45, Issue 10, 21 February 2020, Pages 5840-5853	4.939	International
Dr. A. Arun	Al ₂ O ₃ -CaO Nanocatalytic biodiesel production and antibacterial potential silver nanoparticle synthesis from <i>Pedaliium murex</i> extract	Journal of King Saud University - Science Volume 32, Issue 2, March 2020, Pages 1503-1509	3.819	International
Dr. A. Arun	Zinc based iron mixed oxide catalyst for biodiesel production from <i>Enteromorpha intestinalis</i> , <i>Caulerpa racemosa</i> and <i>Hypnea muscoformis</i> and antibiofilm analysis using leftover catalyst after transesterification	Journal of King Saud University - Science Volume 32, Issue 2, March 2020, Pages 1604-1611	3.819	International
Dr. A. Arun & Dr. T. Kavitha	<i>In silico</i> and <i>in vitro</i> comparison of nicotinamide adenine dinucleotide phosphate dependent xylose reductase rossmaan fold in	Biocatalysis and Agricultural Biotechnology, Volume 24, March 2020, 101508.	-	International

	<i>Debaryomycetaceae</i> yeast family			
Dr. A. Arun	Evaluation of antidiabetic activity of <i>Pleurotus pulmonarius</i> against streptozotocin-nicotinamide induced diabetic wistar albino rats	Saudi Journal of Biological Sciences, March 2020, 27(3): 913–924.	2.802	International
Dr. A. Arun	Mushroom-Derived Carbon Dots for Toxic Metal Ion Detection and as Antibacterial and Anticancer Agents	ACS Applied Nano Materials, May 2020, 3, 6, 5910–5919	-	International
Dr. T. Kavitha	Computational Biology Approaches Revealing Novel Target in Vascular Wilt Pathogen <i>Fusarium oxysporum f. sp. lycopersici</i> for the Ligands of Marine Actinobacterial Origin	Journal of Pure and Applied Microbiology, 14(1), March 2020, 363-373	-	International
Dr. T. Sathiamoorthi	Actinobacterial-Mediated Fabrication of Silver Nanoparticles and Their Broad Spectrum Antibacterial Activity Against Clinical Pathogens	Journal of Nanoscience and Nanotechnology, May 2020; 20(5): 2902-2910	1.354	International
Dr. V. Balasubramanian	Potential Antimicrobial Peptides Elucidation From The Marine Bacteria	Cardiovascular & Hematological Agents in Medicinal Chemistry. May 2020. Online ahead of print.	1.10	International

Total Number: 14

11. (b) Books published by the Faculty Member during 2019-20

Name of the Author(s)	Title of the Book	Name of the Publisher/ISBN
Dr. A. Arun, Dr. Kunyu Zhang, Dr. T. Kavitha Dr. T. Sathiamoorthi Dr. V. Balasubramanian Dr. R. Kathik Raja Dr. G.S. Senthil Mrs. G. Suba	Proceedings of the SPARC & RUSA 2.0 Sponsored International Conference on Recent Trends in Bioplastics (RTB -2019)	SHANLAX Publications / ISBN: 978-93-89658-09-5
V. Ananthi, K. Mohan Rasu, T. Boobalan, K. Anand, M. Sudhakar, Anil Chuturgoon, V. Balasubramanian, R. Yuvakkumar and A. Arun	Chapter. 5. An Overview of Nanotoxicological Effects Towards Plants, Animals, Microorganisms and Environment. In book: Integrative Nanomedicine for New Therapies, March 2020, pp 113-146. https://doi.org/10.1007/978-3-030-36260-7_5	Springer Nature Switzerland AG. / 978-3-030-36260-7
K. Mohanrasu, G. Siva Prakash, T. Boobalan, V. Ananthi, G. H. Dinesh, K. Anand, M. Sudhakar, Anil Chuturgoon, A. Arun	Chapter. 6. Synthetic, Natural Derived Lipid Nanoparticles and Polymeric Nanoparticles Drug Delivery Applications. In book: Integrative Nanomedicine for New Therapies, March 2020, pp 147-165.	Springer Nature Switzerland AG. / 978-3-030-36260-7

	https://doi.org/10.1007/978-3-030-36260-7_6	
Adaysa Barik, Balasubramanian, V, and A. Arun	Environmental and Agricultural Microbiology: Advances and Applications	Scrivener Publishing, USA (Accepted)

Total Number: 4

11. (c) Monographs/Course Materials written by the Faculty Member during 2019-20.

Name of the Faculty	Title of the monograph/Course Material	Name of the Publisher
Dr. A. Arun	DDE book chapter written- Lesson Writer – Subject: 346 31 – Microbiology and Plant Pathology – 1-7 Units – M.Sc., Botany	Directorate of Distance Education, Alagappa University, Karaikudi
Dr. T. Kavitha	DDE book chapter written- Lesson Writer – Subject: 36433 – Environmental and Agricultural Microbiology – M.Sc., Microbiology	Directorate of Distance Education, Alagappa University, Karaikudi
Dr. T. Sathiamoorthi	DDE book chapter written- Lesson Writer – Subject: 36434 – Immunology, Medical Microbiology, Environmental Microbiology and Agriculture Microbiology- Lab Manual – M.Sc., Microbiology	Directorate of Distance Education, Alagappa University, Karaikudi

Total Number: 3

12. Awards /Prizes /Medals won by Staff Members during 2019-20

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
Dr. A. Arun	Travel grant (Rs.1,00,000/-) by Alagappa University under RUSA 2.0 scheme to present a research paper in Sixth International Symposium Frontiers in Polymer Science organized by Elsevier Publications and Materials today at Budapest, Hungary on 05-08 th May, 2019	Alagappa University, Karaikudi	1,00,000.00
Dr. A. Arun	Travel grant (Rs.1,95,400/-) by Alagappa University under RUSA 2.0 scheme to for visiting the collaborating SPARC PI Institution and to give Invited lecture at Tianjin University, Tianjin, China from 25 th Oct, 2019 to 4 th Nov, 2019	Alagappa University, Karaikudi	1,95,400.00
Dr. T. Kavitha	Travel grant (Rs.1,00,000/-) by Alagappa University under RUSA 2.0 scheme to present a research paper in International Conference on Recent Trends in Agriculture, Environmental Sustainability & Climate Change 2019 organized by University of Malaya, Kuala Lumpur, Malaysia on 16 th – 18 th Aug, 2019	Alagappa University, Karaikudi	1,00,000.00

Total Number: 3

14. (a) Consultancy by Faculty Members during 2019-20

Name of Faculty	Nature of Consultancy	Institution	Value (Rs.Lakhs)	Outcome
Dr. A. Arun	Galaxy Research Technologies	Poly-hydroxyl-Alkonates (PHA) biopolymer research	3.6	Bioplastic Production

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20 th – 22 nd Sep, 2019	VEP	Kandadevi-Sivaganga (D.T)	29

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	2 (Fees waiver)	Alagappa University, Karaikudi
VOC/PMT Scholarship awarded	6	Alagappa University, Karaikudi
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	-	-
UGC Rajiv Gandhi Fellowship	1	UGC RGNF
UGC Indra Gandhi single girl child	-	-
Others (if any)	7+2+1+1 = 17	RUSA 2.0; DST-PURSE; GRT; DST-SERB(ECRA)

17. Placement of students / Scholars during 2019-20

Program of Study	Number of Students / Scholars Placed	Average Monthly Salary(Rs)
M.Sc., Microbiology	8	10,000.00
M.Phil., Microbiology	1	12,000.00
Ph.D., Microbiology	3	18,000.00

18. Infrastructure facilities in the Department / College: MICROBIOLOGY

Item	Quantum	Item	Quantum	Item	Quantum
Building space	6027 sq. ft	Laptops	-	Wi-Fi unit	-
Air Conditioners	14	LCD projector	3	Podium	2
Generator/Inverter	10 KVA – 2	Xerox machine	1	Interactive board	2
Fax Machines	-	Printers	4		-
Computers	23 Nos.	Phones (including intercom)	10	Others (specify)	-

19. Laboratory facilities**(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs**

Description of the Items	Value of Items
Modular Table – 8 Items	4,05,415.50
CPR-30 Plus Refrigerated Centrifuge with Head R-236MF, R-239MF - REMI – 1No.	3,25,500.00
CIS-24 Plus Orbital Shaking Incubator with Stabilizer – REMI – 1No.	2,31,000.00

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
Fourier Transform Infrared Spectrophotometer, Model: Alpha T; Make: Bruker	16,02,672.00

20. Special Features of the Department / Centre / College

lxvi.	<ul style="list-style-type: none"> • Started in 2016-17 academic year. • Qualified, skilled and dedicated faculty members. • Advanced teaching and learning resources and methods are used. • Well equipped laboratories for academic and research activities. • M.Sc., M.Phil. and doctoral courses in Microbiology. • Department received 11 projects with a value of 114.4943 Lakhs • Scholarships for the students from the University (Rs.56,100/-), RUSA 2.0 (Rs.1,12,000/pm) & project fellowships (Rs.65,010/- pm).
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21. Best / Innovative Practices followed in the Department / Centre / College

i.	<p>1. Best and innovative method in curricular aspects:</p> <ul style="list-style-type: none"> • Curriculum is designed to face the global competencies • Content of the syllabi are up to date • Curriculum is designed to learn the recent research • Competitive exam based syllabi • Inter departmental courses are elected • Skill based courses are included
ii	<p>2. Best/Innovative Practices in Teaching-Learning and Evaluation:</p> <p>Best Practices:</p> <ul style="list-style-type: none"> • Demonstration of theory principles with appropriate hands on experiments • Insisting good laboratory practice (GLP) • Unit wise test • Transparency in Continuous Internal Assessment (CIA) <p>Innovative Practices:</p> <ul style="list-style-type: none"> • Using ICT- update the recent scientific knowledge in related to the curriculum through studying related research articles. • Webinar with subject experts in related to curriculum. • Industrial exposure in related to curriculum
iii	<p>3. Best and Innovative Practices in research</p> <ul style="list-style-type: none"> • Monthly lab meet with Scholars • Journal Clubs- to present scholars findings to the M.Phil scholars and PG students • Helping others in working in related to Microbiology research • Maintaining pure cultures • Encouraged to do collaborative research with other institutions • Often exposed to IIT Madras and NIT Trichy to learn the new techniques
iv	<p>4. Best practices in development of infrastructure and learning resources</p> <ul style="list-style-type: none"> • 100% ICT enabled teaching resources • Hi-tech Microbiology Lab • eBooks
v	<p>5. Best Practices Student support and progression</p> <ul style="list-style-type: none"> • Club activities managed by the students • We involve the students to organize the Indian festival days which make them aware of our cultural heritage. • Involvement of students in preparing emagazine – ALU MICROBESFAZINE
vi	<p>6. Best Practices in Governance and leadership</p> <ul style="list-style-type: none"> • We have a journal club in which the scholars will discuss the recent trends of research going on in Microbiology field, by which create scientific temper among the PG students • We also have department level cultural club, where students are encouraged to develop their creativity. • We involve the students to organize the Indian festival days by which make them aware of our cultural heritage.

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc. Biomedical Sciences	2	2	-	-	-	11	1	3	19
Total	2	2	-	-	-	11	1	3	19

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
M.Sc. Biomedical Sciences	-	-	-	-	Delhi	-	1	1	5
					Uttar Pradesh	2	-	2	
					Bihar	2	-	2	

3.c: Number of students who appeared for examinations during 2019-2020:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	1	-	-	1	-	12	3	-	16
PG-II Year	2	2	-	-	4	-	11	1	3	19
M. Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	2	3	-	-	5	-	23	4	3	35

Grand Total: 35

3. d: Number of students who passed out during 2019-2020:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	1	-	-	1	-	12	3	-	16
PG-II Year	2	2	-	-	4	-	11	1	3	19
M.Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total	2	3	-	-	5	-	23	4	3	35

4. Books/Journals available & added during 2018-19 in the Department / College Library

Items	Numbers available at the Beginning of 2019-2020	Numbers Added during 2019-2020	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	Nil	73	73	2,95,150
Indian Journals	6	6	6	
International Journals	-	-	-	

5. Selected Achievements by Faculty Members during 2019-2020

Name of the Faculty	Research Guidance Completed	Funded Projects Completed	Research Publications	Conferences / Seminars Workshops attended

	Ph.D	M.Phi I	National / Inter national	National	Inter nationa l	Books/ Materials	National	Inter national
Prof. S. Ravikumar	-	-	National-1	1 Commu nicated	5 Commu nicated	-	2	1

6. Departmental special Schemes obtained (SAP / FIST / PURSE / CPEPA etc) during 2018-19. :
Nil

7. Individual Projects

7. (a) Completed during 2019-2020:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Dr.S.Ravikumar	2017	2020	DST - SERB	Scientific Validation of Antimalarial Leads from native Indian Seaweed	Rs.28,97,000INR

7. (b) Sanctioned and Ongoing during 2019-2020:

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
	From	To			
Prof. S. Ravikumar	2019	2022	DST-NRDMS	Biogeospatial monitoring of Coastal hazards and Pollution along Tamilnadu Coast	RS.34,69,090.00
	2019	2021	RUSA2.0	Theme Based Research Project	RS.53.33 lakhs

Total Number: 2

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-2020:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	06.06.19 to 07.06.19	Biomedical Applications in Translational Research	200	7	7	International
2	24.05.19	Webinar – Awareness on Buisness Development Skills	350	3	3	National

9. Endowment Lectures/Guest Lectures arranged during 2019-2020:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	24.10.19	RUSA 2.0	Dr.Paulmurugan	Intranasal Delivery of Therapeutics	99
2	25.10.19	RUSA 2.0	Dr.Paulmurugan	Theranostic Imaging of Cancer Gene Therapy in Vivo	82
3	26.10.19	RUSA 2.0	Dr.Paulmurugan	Extracellular Vesicles: A New Generation Delivery Agents for Therapeutics	29
4	29.10.19	RUSA 2.0	Dr.P.Geraldine	Molecular	33

				Mechanism Underlying Preventable Blindness	
5	29.10.19	RUSA 2.0	Dr.Philip Thomas A.	Different Aspects of Keratitis a Preventable Eye Disease	33
6	07.01.20 20	RUSA 2.0	Dr.P.Madava Soma Sundaram	Forensic Science	84

Total Number: 6

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-2020:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / Inter national
Dr.S. Ravikumar	Workshop	Alagappa university, karaikudi	03.09.19	Attended	National
	Seminar	Sri Sarada Niketan College for Women, Karaikudi	05.09.19	Presented	National
	Seminar	Madurai Kamaraj University, Madurai.	21.09.19	Presented	National
	Workshop	Botanical Survey of India Southern Regional Centre, Coimbatore	21.10.19 – 25.10.19	Presented	National
	Conference	Alagappa University, Karaikudi	06.11.19 – 07.11.19	Presented	Inter national
	Workshop	Alagappa University, Karaikudi	22.11.19	Attended	National
	Seminar	Alagappa University, Karaikudi	09.01.2020	Presented	National
	Seminar	Mohammed Sathak Polytechnic, Kilakarai.	25.01.2020	Presented	National
	Conference	Crescent institute, Chennai	18.02.2020 -19.02.2020	Presented	Inter national
	Conference	Government Arts College, Ariyalur.	27.02.2020 – 28.02.2020	Presented	Inter national
	Conference	Kumarasamy			

		College of Engineering			
	Conference	M.Kumarasamy College of Engineering, Karur	07.03.2020	Presented	International
	Workshop	Bharathiyar University, Coimbatore	13.03.2020	Presented	National

Total Number: 13

11. (a) Research papers published by the Staff in Referred Journals during 2019-2020: 6 Communicated

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Prof. S. Ravikumar	Bioprospecting of marine biological wastes for sustainable utilization of formulated livestock fodder – A clean India approach	<i>Journal of Applied Biology and Biotechnology</i> , Manuscript ID : 125-1595656919-Communicated	nil	National
	Molecular Docking and Dynamics simulation of Naringin-Phosphatase and tensin homolog (PTEN) Protein Complex through <i>in silico</i> Approach	<i>Journal of Biomolecular Structure & Dynamics</i> , Manuscript ID:TBSD-2020-014. Communicated	3.310	International
	An eco-friendly Gnaphalium polycaulon mediated silver nanoparticles: Synthesis, characterization, antimicrobial, wound healing and drug release studies.	<i>Journal of Drug Delivery Science and Technology</i> , Manuscript ID: JDDST_2020_958R1	2.734	International
	Utilization of Shrimp waste as a novel media for marine bacteria isolation.	<i>3 Biotech</i> , Manuscript ID:BITC-D-19-00973R1. Communicated	6.84	International
	Dual targeting approach of biosynthesized acetaminophen silver nanoparticles (AgNPs) against harmful mosquito vector and clinical bacterial pathogens.	<i>Biological letters</i> , Manuscript ID:MLBLUE-s-20-06144 Communicated	3.323	International
	Biotoxicity evaluation of novel bioactive analytes from native Indian seaweed <i>Caulerpa taxifolia</i> (M.Vahl) C.Agardh from Gulf of Mannar reserve"	<i>Vector Borne Diseases</i> , Manuscript ID: jvbd_154_20. Communicated	0.625	International

Total Number:6

12. Awards /Prizes /Medals won by Staff Members during 2019-2020

Name of the Faculty	Name of Award /Prize	Sponsoring Institution	Cash Reward, if any, in Rs.
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Prof.S. Ravikumar	Award	Indian Association of Applied Microbiologists	Nil
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15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-2020

Date(s)	Activity	Place	No. of Participants
23.10.19	Lab Visit	Anna University Trichy	18
19.09.19	VEP	Panangudi Village	19

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-2020

Category	Number of Students	Sponsor institution
Special Scholarships obtained	1	Alagappa Universtiy
VOC/PMT Scholarship awarded	6	Alagappa Universtiy
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	-	-
UGC Rajiv Gandhi Fellowship	-	-
UGC Indra Gandhi single girl child	-	-
Others (if any)	-	-

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	-	Laptops	-	Wi-Fi unit	1
Air Conditioners	3	LCD projector	3	Podium	2
Generator/Inverter	1	Xerox machine	2	Interactive board	1
Fax Machines	-	Printers	2	Thermal Cycler	1
Computers	2	Phones (including intercom)	3	Temperater Freezer	1
Centrifuge	2	Incubator shaker	1	Trinocular Microscope	1
Mini Laminar flow	1	Hot Air Oven	1	Distilation Unit	1
Incubator Scientific Make	1	Bench Top	1	Rocking Shaker	1

19. Laboratory facilities

(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs

Description of the Items	Value of Items
Centrifuge	3,80,000.00s
Incubator shaker	2,81,505.00
Thermal Cycler	1,19,700.00
Temperater Freezer	4,90,000.00

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
Trinocular Microscope	10,50,000.00

20. Special Features of the Department / Centre / College

lxvii.	Bridge the gap between the Physicians and Researchers
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21. Best / Innovative Practices followed in the Department / Centre / College

i.	Summer training/hospital visit/industrial visit
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26. DEPARTMENT OF OCEANOGRAPHY AND COASTAL AREA STUDIES

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr.C.Stella	Professor &Head	M.Sc., M.Phil., Ph.D	7.12.1998
Dr. V. Sugumar	Assistant Professor	M.Sc., M.Phil., Ph.D.,	19.02.2009
Dr. S. Paramasivam	Assistant Professor	M.Sc., Ph.D.,	23.02.2016

Total Number: No. of faculty with Ph.D: No of faculty with IT Skills:

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
K.Rajarajeshwaran	Field Assistant	+2
V.Veeramuthu	Ground staff	5 th Std

Total Number: No. of Non-teaching Staff with IT skills:

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing		3	2	1			1		7
Addition during 2018-19 - Nil									

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing		2	1						3
Addition during 2018-19 - Nil									

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

i	M.Sc/Ph.D Oceanography & Coastal Area Studies	ii	PG.Diploma in SCUBA diving –Add-on course
iii	M.Sc Marine Biology (5yrs integrated)	iv	

2. (b) Name of new Programs (if any) introduced during 2019-20:

i	M.Sc Marine Biology (5yrs integrated)	ii	-
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3. a. Students Strength (I YEAR)

Program (PG/M.Phil./Cert/ Dip./PG Dip)	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Oceanography & CAS	30	4	3	1	1	3				12
M.Sc Marine Biology	60									

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc Oceanography & CAS	1	1			3				5
M.Sc Marine Biology	1	8	4	8	-	3	1	4	29

Studenta Strength (III YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	

M.Sc Oceanography &CAS									
M.Sc Marine Biology	-	11	3	7	-	4	3	6	35

Ph.D. Scholars during 2019-20

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Ph.D. (Full-Time)		1							1
Ph.D. (Part-Time)									

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
	-	-	-	-	Kerala	1	1	2	2
	-	-	-	-	Karnataka		1	1	1
	-	-	-	-	Assam	1	1	2	2
	-	-	-	-	Sikkim	1		1	1
	-	-	-	-	West Bengal	1		1	1
	-	-	-	-				7	7

4. Books/Journals available & added during 2019-20 in the Department / College Library -Nil

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	384	77 books	461	187107/-
Indian Journals	-	-	-	
International Journals	-	-	-	

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr.C.Stella	-	-	-		6		4	3
Dr.V. Sugumar	1	-	-	-	1	-	2	6

7. (b) Sanctioned and Ongoing during 2019-20 :

Principal Investigator	Period		Funding Agency	Title of the Project	Amount (Rs lakhs)
Dr.C.Stella	2018	2020	RUSA2.0-TBRP	Molecular Marker Based Studies On The Molluscan Fauna-Gastropod Species From Palk Bay Area For Its Conservation	39.108 lakhs

Dr.V.Sugumar	2018	2020	RUSA2.0-TBRP	Extraction And Characterization Of Chitin And Chitosan From Horse Mussel Modiolus Modiolus	39.108 lakhs
Dr.S.Paramasivam	2018	2020	RUSA2.0-TBRP	Incorporation of natural preservatives to enhance the shelf life and enrich nutrients in sea foods during storage	39.108 lakhs

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20 :

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	12 th to 13 th Dec 2019	International Conference on Recent Advances in Marine Biodiversity And Conservation (RAMBAC-2019)	250	8	84(66+18)	International
2	18 th to 20 th May 2020	Recent Advances In Marine Biodiversity And Conservation	201	6	-	International

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20 :

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr.C.Stella	8 th Annual World congress of Ocean-2019	8 th Annual World congress of Ocean-2019 (WCO-2019) Xiamen,China	November, 2-4,2019	“Biodiversity and Conservation of Molluscan fauna with special reference to Palk bay and Gulf of Mannar”	International
Dr.C.Stella	Clean Was 2019 University of Transport, Chi Minh, Vietnam	University of Transport, Clean Was 2019 Ho Chi Minh City,26-28 July,Ho Chi Minh, Vietnam.	26-28 July	“Ecology and Occurrence of <i>Pugilina(Hemifusus)</i> SpeciesClass: Gastropoda: Family: Melongenidae from Thondi Coast–Palk Bay In Tamil Nadu.	International
Dr.C.Stella	Seminar on Sustainable livelihood development of women in coastal	DHAN foundation at Madurai	Sep 18-22,2019,DHAN foundation at Madurai ,	Sustainable livelihood development of women in coastal Context,	National

	Context				
Dr.C.Stella	workshop titled Blue Swimming Crab(<i>Portunus pelagicus</i>) Fishery Improvement and Launch of Action plan at Ramanathapuram,	organized by CMPA and State Fisheries Department, Ramanathapuram, held on 21.8.2019 at Ramanathapuram	21.8.2019 at Ramanathapuram	Attended	National
Dr.C.Stella	Theme meeting on environmental Receptivity of Industrial Effluents and Their influence on Marine Ecology and DAE Technologies for water treatment	Alagappa University, Karaikudi	, August 9-10, 2019, Alagappa University, Karaikudi	Attended	National
Dr.C.Stella	International workshop on Biomedical Applications in Translational Research(BATR-2019)	Alagappa University, Karaikudi	6 th -7 th June 2019,	Attended	National
Dr. V. Sugumar	National Conference on Advanced Materials for Sustainable Energy and Sensors (NCAMSES, 2019)	Department of Physics, Alagappa University, Karaikudi	March 20 th – 22 nd 2019	Extraction of Chitosan from shrimp exoskeleton and synthesis of chitin thin film using spin coating technique	National
Dr. V. Sugumar	2 nd International Conference on “Molecular Physiology, Therapeutics and Experimental Medicine (MPTEM 2019)	Department of animal Health and Management, Alagappa University, Karaikudi	July 24 th & 25 th , 2019	Extraction and characterization of chitin and chitosan from the pen shell <i>Pinna bicolor</i> Gmelin, 1791	International
Dr. V. Sugumar	2 nd International Conference on “Molecular Physiology, Therapeutics and Experimental Medicine (MPTEM 2019)	Department of animal Health and Management, Alagappa University, Karaikudi	July 24 th & 25 th , 2019	Extraction and characterization of chitin and chitosan from horse mussel <i>Modiolus modiolus</i>	International
Dr. V. Sugumar	International Conference	Trinity College for Women (Arts and	August 8 th 2019	Synthesis And Investigation Of Fe (li)	International

	On “Functional Materials for Bio-Energy, Green Technology & Environmental Sustainability” (FMGES-2019)	Science), Namakkal.		Incorporated Nanohydroxyapatite	
Dr. V. Sugumar	Theme Meeting on Environmental Receptivity of Industrial Effluents and Their Influence on Marine Ecology & DAE Technologies for Water Treatment	Bhabha Atomic Research Centre (BARC) & Alagappa University (RUSA 2.0)	9&10 August 2019	Attended	National
Dr. V. Sugumar	International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES, 2019)	Department of Physics, Alagappa University, Karaikudi.	September 16 th & 17 th 2019	Impact of Zn (II) incorporation on the Structure, Physico-Chemical and biological properties of wet chemically synthesized NanoHydroxyapatite	International
Dr. V. Sugumar	International Conference On “Recent Advances In Marine Biodiversity And Conservation” (RAMBAC 2019)”	Department of Oceanography and Coastal Area Studies, School of Marine Science, Alagappa University, Karaikudi	December 12 th & 13 th , 2019	Evaluation of antioxidant, anti-inflammatory and anticancer activity from the haemolymph of blue swimmer crab <i>Portunus pelagicus</i> (Linnaeus, 1758)	International
Dr. V. Sugumar	International Conference On “Recent Advances In Marine Biodiversity And Conservation” (RAMBAC 2019)”	Department of Oceanography and Coastal Area Studies, School of Marine Science, Alagappa University, Karaikudi	December 12 th & 13 th , 2019	Evaluation of hyperglycemia and phenoloxidase activity in the hemolymph of <i>Portunus pelagicus</i> on microbial stress	International
Dr. S. Paramasivam	International workshop on “Biomedical applications in Translational	Department of Biomedical Science & Health Care Centre, Alagappa	6 th and 7 th June 2019	Attended	International

	Research (BATR-2019)”	University, Karaikudi and Semmelweis University, Budapest, Hungary			
Dr. S. Paramasivam	Participated in the three days Workshop on “Research Methods and LaTeX”	Technical and Academic Writing Centre, Alagappa University, Karaikudi	during 24 to 26 th June, 2019	Attended	National
Dr. S. Paramasivam	Three days International Workshop on “E-content Development for MOOCs among the Faculty Members”	organized by Technical and Academic Writing Centre, Alagappa University, Karaikudi	during 10, 12 & 13 th September, 2019	attended	Inter national
Dr. S. Paramasivam	Second International Conference on “Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM 2019)”,	organized by the Department of Animal Health and Management, Alagappa University, Karaikudi	on 24 th and 25 th July, 2019	Attended	Inter national
Dr. S. Paramasivam	Participated in the International Conference on Advanced Materials for Sustainable Energy and Sensors (INCAMSES-2019)	Department of Physics, Alagappa University, Karaikudi	16–17, September, 2019.	attended	Inter national
Dr. S. Paramasivam	International conference on “Recent Advances in Marine Biodiversity and Conservation (RAMBAC-2019)	Department of Oceanography and Coastal Area Studies, School of Marine Sciences, Alagappa University, Science Campus. Tamilnadu, India.	12 and 13 th December, 2019	Nutritional profile and phytochemical constituents of seaweeds from Thondi coast of Southeast India	Inter national
Dr. S. Paramasivam	International conference on “Recent Advances in Marine Biodiversity and	Department of Oceanography and Coastal Area Studies, School of Marine Sciences,	12 and 13 th December, 2019	Formation of hypertension causing tyramine in hard tail scad	Inter national

	Conservation (RAMBAC-2019)	Alagappa University, Science Campus. Tamilnadu, India.		(<i>Megalopsis cordyla</i>) stored at ambient (27±2°C) temperature	
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Total Number: 21

11. (a) Research papers published by the Staff in Referred Journals during 2019-20 :

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
Dr.C. Stella .	Ecology and Occurrence of <i>Pugilina (Hemifusus) Cochlidium</i> And <i>Pugilina Erecta (Gastropoda: Melongenidae)</i> From Thondi Coast , Palk Strait In Tamil Nadu.	Sustainability, Agri, Food and Environmental Research, (ISSN: 0719-3726), 8(X), 2020 - ACCEPTED		I
Dr.C.Stella	Anatomy of soft body of <i>Pugilina cochlidium</i> (Linnaeus, 1758) and <i>P. erecta</i> (Vermeij & Raben, 2009) (Neogastropoda: Melongenidae) from Thondi Coast–Palk Bay in Tamil Nadu, India.	<i>Brazilian Journal of Biology-ACCEPTED</i>	0.7	I
Dr.C.Stella	Radular morphology by using SEM in <i>Pugilinacochlidium</i> (Gastropoda: Melongenidae) populations, from Thondi coast-Palk Bay in Tamil Nadu-South East coast of India.	<i>Brazilian Journal of Biology</i> . 1519-6984-Print 1678-4375-On line - ACCEPTED	0.7	I
Dr.C.Stella	Comparative Study on the Effect of Seed Germination Activity of Seagrass Extracts with Plant Hormones on Green Gram (<i>Phaseolus Radiata</i> L).	European Journal of Pharmaceutical and Medical Research,2020,7(3), 406-408	0.7	I
Dr.C.Stella	Age and growth of two populations of <i>Pugilina cochlidium (Gastropoda: Melongenidae)</i> , from Thondi coast-Palk Bay in Tamil Nadu-South East coast of India.	<i>Brazilian Journal of Biology</i> , vol. 80, no. 1 pp.158-166: 1678-4375-On line 0.7	0.7	I
Dr.C.Stella	Monthly Variations In Crustacean Zooplankton Abundances In Sundarapandian Pattinam And Manamelkudi In The Palk Strait, India (9-10°N, Arabian sea)	Crustaceana, 92(3):295-306.2019. E-ISSN: 1568-5403 WoS&SCOPUS) IF (IF: 0.517): 0.64	0.64	I
Dr. V. Sugumar	Role of annealing temperatures on mechanical, optical, electrical and magnetic properties of nanohydroxyapatite biomaterial.	Journal of Nanoscience and Nanotechnology	1.35	
Dr. S. Paramasivam	Evaluation of psychrophilic, mesophilic, histamine forming bacteria and biogenic amine content in the muscle of mud spiny lobster, <i>Panulirus polyphagus</i> (HERBST, 1793)	J. Food Saf. 39 (1):e12582 (doi.org/10.1111/jfs.12582). IF: 1. 665. [Wiley]. Top downloaded and one of the most read	1. 665.	International

		during ice storage.	paper in 2018-2019.		
Dr. Paramasivam	S.	Metals accumulation in edible marine algae collected from Thondi coast of Palk Bay, Southeastern India.	Chemosphere. 221:856-862. doi.org/10.1016/j.chemosphere.2019.01.007. ISSN: 0045-6535, [Elsevier].	5.108.	Inter national
Dr. Paramasivam	S.	Biochemical, Micronutrient and Physicochemical Properties of the Dried Red Seaweeds <i>Gracilaria edulis</i> and <i>Gracilaria corticata</i> .	<i>Molecules</i> , 2019, 24, 2225. doi:10.3390/molecules24122225. [MDPI].	3.060.	Inter national
Dr. Paramasivam	S.	Antibacterial and <i>invitro</i> antioxidant potential of Indian mangroves.	Biocatalysis and Agricultural Biotechnology 23: 101491.doi.org/10.1016/j.bcab.2019.101491. [Elsevier].	----	Inter national
Dr. Paramasivam	S.	Chemical Biopreservative Effects of Red Seaweed on the Shelf Life of Black Tiger Shrimp (<i>Penaeus monodon</i>).	Foods, 9, 634; doi:10.3390/foods9050634. ISSN 2304-8158. [MDPI].	3.011	
Dr. Paramasivam	S.	Shelf life extension of sardines (<i>Sardinella albella</i>) using betel leaf (Piper betle) incorporated ice.	Food and Bioprocess Technology. doi : 10.1007/s11947-020-02466-1. ISSN : 1935-5149. [Springer].	3.032	Inter national
Dr. Paramasivam	S.	Heavy Metals Accumulation in Seagrasses collected from Palk Bay, South-eastern India.	Marine Pollution Bulletin. doi.org/10.1016/j.marpolbul.2020.111305. [Elsevier].	3.782	Inter national

Total Number: 14

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20 th – 22 nd September 2019	Awareness on harmful effects of single use plastics, Renovation of traditional and other water bodies/tanks	Mummudichanpatti	

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained		
VOC/PMT Scholarship awarded	2	AlagappaUniversity
Education Loans from Bank		

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space		Laptops	1	Wi-Fi unit	-
Air Conditioners	2	LCD projector	-	Podium	-
Generator/Inverter	-	Xerox machine	-	Interactive board	-
Fax Machines	-	Printers	1		
Computers	-	Phones (including intercom)	-	Others (specify)	

19. Laboratory facilities**(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs**

Description of the Items	Value of Items
Bench Top micro cooling centrifuge (Dr. CS)	1.21
Refrigerated centrifuge (Dr.VS)	1.21

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each

Description of the Items	Value of Items
Auto analyzer Purchase under DST-FIST	30 lakhs

20. Special Features of the Department / Centre / College

lxviii.	To Establish eco bio-security research and monitoring along Palk Bay
lxix.	Identification of bioactive compounds from marine resources
lxx.	To train the fisher folk for alternative employment through sea based training programme.

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Field training /Field work/ Field exposure to the students /Research scholars
	Lab to land programme - sea ranching

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
M.Sc.Applied Geology	-	-	-	-	Jharkhand	3	-	3	3

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	13	3	2	18	-	3	2	2	7
PG-II Year	-	8	4	2	14	-	2	2	-	4
M. Phil.	-	-	-	-	-	-	-	-	-	-
Ph.D.	-	2	-	-	2	-	1	-	-	1
Total		23	7	4	34	-	6	4	2	12

Grand Total:

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	-	13	3	2	18	-	3	2	2	7
PG-II Year	-	8	4	2	14	-	2	2	-	4
M.Phil.	-	-	-	1	1	-	1	1	-	2
Ph.D.	-	-	-	-	-	-	-	-	-	-
Total		21	7	5	33	-	6	5	2	13

5. Selected Achievements by Faculty Members during 2019-20

Name of the Faculty	Research Guidance Completed		Funded Projects Completed	Research Publications			Conferences / Seminars Workshops attended	
	Ph.D	M.Phil	National / International	National	International	Books/ Materials	National	International
Dr.R.Karikalan	1	2	-	-	9	-	2	-
Dr.K.Prabakaran	-	1	-	-	-	-	2	3

8. Conferences/Seminars/Workshops organized by the College/Department during 2019-20:

Sl. No.	Date(s)	Name of the Conference / Seminar / Workshop etc.	Number of Participants	Number of		National / International
				Resource Persons	Papers Presented	
1	18,27&28.05.2020	Webinar Series on Petrological Studies	220	2		International

9. Endowment Lectures/Guest Lectures arranged during 2019-20:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	25.02.2020	RUSA Phase 2.0 (4.2.1 Special Assistance)	Shri.S.N. Mariappan Shri K. Sivakumar Shri Sourav Kantite (GIS Geologists)	Geological Mapping and Mineral Exploration	50

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr.R.Karikalan	One day National Symposium on "Sardar Vallabhai Patel: An iron willed visionary of India"	Department of History, Alagappa University	27 th January 2020	Attended	National
Dr.R.Karikalan	DST-SERB sponsored National level conference on Geohazards management and mitigation measures - 2020	Department of Geology, Salem	27 th & 28 th February, 2020	Coastal Geomorphological changes caused by post Tsunami mitigation from Cuddalore to Nagapattinam, East coast of India	National
Dr.R.Karikalan	Webinar Series on Petrological Studies	Department of Geology, Alagappa University	18,27&28. 05.2020	Convenor and Organising Secretary	International
Dr. K. Prabakaran	International conference on Geological and Environmental Sustainability	Sciencefora, Putrajayya, Malaysia	03.09.2019	Presented a paper "Exploration on mineral resources and coastal geomorphology of Rameshwaram Island by using Remote sensing and GIS Techniques"	International
Dr. K. Prabakaran	Disaster Management	Anjalai Ammal Engineering College, Koyilvennai.	10.09.2019	Special Lecture Delivered	National
Dr. K. Prabakaran	International workshop on E-Content Development for MOOCs among the faculty Members	Alagappa University, Karaikudi	12&13.09. 2019	Attended	International
Dr. K. Prabakaran	Self Learning online course on Understanding open Educational Resources	Commonwealth of Learning	17.02.2020	Completed the online course	National
Dr. K. Prabakaran	Webinar Series on Petrological Studies	Department of Geology, Alagappa University	18,27&28. 05.2020	Organising Secretary	International

Total Number: 07

11. (a) Research papers published by the Staff in Referred Journals during 2019-20:

Name of the Faculty	Title of the Paper	Name of the journal	Impact Factor	National / International
R.Karikalan	Mineral Identification of Coastal Sediments in between Mandapam and Vemar, Gulf of Mannar Coast, Tamilnadu, India	INFOKARA Research	5.3	International
R.Karikalan	Textural Analysis of Coastal Sediments in Mandapam area, Gulf of Mannar Coast, Tamilnadu, India	INFOKARA Research	5.3	International
R.Karikalan	Sedimentary Depositional Environment of Gundar River Estuary, Mookaiyur, Gulf of Mannar Coast, Ramanathapuram District, Tamilnadu, India	AEGAEUM Journal	6.2	International
R.Karikalan	Spatial grain size distribution of beach and Gundar River Estuary sediments of Mookaiyur, Gulf of Mannar Coast, Ramanathapuram District, Tamilnadu, India	INFOKARA Research	5.3	International
R.Karikalan	Grain size distribution studies in Gundar river estuary and beach sediments of Mookaiyur area, Gulf of Mannar Coast, Ramanathapuram District, Tamilnadu, India	AEGAEUM Journal	6.2	International
R.Karikalan	Depositional Environments of coastal sediments from mandapam and Vembar region, Gulf of Mannar Coast, Tamilnadu, India	AEGAEUM Journal	6.2	International
R.Karikalan	Major and minor minerals analysis of Gundar river estuary and beach sediments Mookaiyur area, Gulf of Mannar Coast, Ramanathapuram District, Tamilnadu, India	Journal of Xidian University	5.4	International
R.Karikalan	XRD analysis in Gundar river estuary and beach sediments Mookaiyur area, Gulf of Mannar Coast, Ramanathapuram District, Tamilnadu, India	International Journal of Engineering Research & Technology	7.87	International
R.Karikalan	XRD Diffraction pattern for quantitative analysis of Coastal sediments in between Mandapam and Vembar, Gulf of Mannar Coast, South India.	International Journal of Engineering Research & Technology	7.87	International

Total Number: 09

5. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
20 to 22.09.2019	VEP – Village Extension Program	Thalakkavur	18
12.10.2019 to 18.10.2019	Geological Field Mapping and Rocks and Mineral sample collection	Andhrapradesh Cuddapah Basins	43
16 & 17..12.2019	Field Visit and Fossil Collection	Ariyalur Cretaceous regions	25
26.02.2020	Industrial Visit to Graphite Mines	Sivaganga Graphit Mines	43

16. Awards / Prizes / Medals / JRF / SLET / NET scored by Students during 2019-20

Category	Number of Students	Sponsor institution
Special Scholarships obtained	-	-
VOC/PMT Scholarship awarded	2	Alagappa University
Education Loans from Bank	-	-
UGC/CSIR JRF/NET or SLET	-	-
UGC Rajiv Gandhi Fellowship	-	-
UGC Indra Gandhi single girl child	-	-
Others (if any)	-	-

17. Placement of students / Scholars during 2019-20 : Nil**18. Infrastructure facilities in the Department / College:**

Item	Quantum	Item	Quantum	Item	Quantum
Building space	-	Laptops	-	Wi-Fi unit	-
Air Conditioners	-	LCD projector	-	Podium	2
Generator/Inverter	-	Xerox machine	-	Interactive board	-
Fax Machines	-	Printers	2		
Computers	3	Phones (including intercom)	-	Others (specify)	-

19. Laboratory facilities**(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs**

Description of the Items	Value of Items
Binocular Polarizing Microscope LM-52-3502	1,00,687/-

19 (b) Equipments/Facilities Value exceeding Rs. 5 lakhs each : Nil**20. Special Features of the Department / Centre / College**

Ixxi.	Remote Sensing and GIS Practice to Students
Ixxii.	Practical classes conducted at Thondi Campus
Ixxiii.	Groundwater survey at Vairavanpatti
Ixxiv.	Project Field work at Ariyalur Cement Mines and Neyveli Lignite Mines
Ixxv.	Geomorphological studies on coastal region from Kodiyakarai to Nagapattinam

21. Best / Innovative Practices followed in the Department / Centre / College

i.	Teaching only in the Interactive boards
ii	Using GIS software and interpreted the Satellite Imageries of Coastal Landforms

28. DEPARTMENT OF FISHERIES SCIENCE

1. (a) Members of the Teaching Staff: (including those who newly joined / left during the academic year)

Name	Designation	Qualification	Date of Joining/ Leaving
Dr. C. Govindasamy	Professor and Head	M.Sc. M.Phil. PGDEE., FAZ. Ph.D	21.01.2008/30.06.2020
Dr. R. Srinivasan	Teaching Assistant	M.Sc., M.Phil., Ph.D.,	01.07.2019/15.05.2020 18.08.2020/
Dr. K. Kalaiselvan	Teaching Assistant	M.Sc., Ph.D.	01.07.2019/15.05.2020
Dr. G. Ganapathy selvam	Teaching Assistant	M.Sc., M.Phil., Ph.D.,	01.11.2019/15.05.2020 18.08.2020/
Dr. N. Mahalakshmi	Teaching Assistant	M.Sc., M.Phil., Ph.D.,	01.11.2019/15.05.2020

Total Number: 05 No. of faculty with PhD: 05 No of faculty with IT Skills: 05

1. (b) Members of the Non-teaching Staff :

Name	Designation	Qualification
K. Karthika	Clerical Assistant	M.Sc., DCHT
M. Rubadevi	Lab Assistant	B.Sc.
C. Gowtham	Causal labor	M.Sc.

Total Number: 03 No. of Non-teaching Staff with IT skills: 03

1. (c) Community-wise Number of Faculty members:

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	01	02	01	-	-	01	-	05
Addition during 2019-20									

1. (d) Community-wise Number of non-teaching staff members

Category	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
Existing	-	-	01	-	-	-	01	01	03
Addition during 2019-20									

2.(a) Programs of Study (UG/PG/M.Phil. /Ph.D./ Diploma, etc) offered by the Dept. / College

2. (b) Name of new Programs (if any) introduced during 2019-20: Nil

3. a. Students Strength (I YEAR)

Program (PG/M.Phil/Cert/Dip./ PG Dip	Total Applied	Admitted								Total
		Male				Female				
		OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc., Fisheries Science	16	01	01	01	01	03	02	03	-	12

Students Strength (II YEAR)

Program	Male				Female				Total
	OC	BC	MBC	SC/ST	OC	BC	MBC	SC/ST	
M.Sc., Fisheries Science	-	-	01	04	02	-	01	01	09

3.b: Details of International / Other State students:

Program	International				Other States				Grand Total
	Country	Male	Female	Total	State	Male	Female	Total	
I-M.Sc., Fisheries Science	-	-	-	-	West Bengal	02	03	05	05
II-M.Sc., Fisheries Science	-	-	-	-	Kerala	-	01	01	01

3.c: Number of students who appeared for examinations during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	01	01	01	01	04	03	02	03	-	12
PG-II Year	-	-	01	04	05	02	-	01	01	09
M. Phil.										
Ph.D.										
Total	01	01	02	05	09	05	02	04	01	21

Grand Total: 21

3. d: Number of students who passed out during 2019-20:

Program	Male (With community break-up)					Female (With community break-up)				
	OC	BC	MBC	SC/ST	Total	OC	BC	MBC	SC/ST	Total
PG-I Year	01	01	01	01	04	03	02	03	-	12
PG-II Year	-	-	01	04	05	02	-	01	01	09
M.Phil.										
Ph.D.										
Total	01	01	02	05	09	05	02	04	01	21

Grand Total: 21

4. Books/Journals available & added during 2019-20 in the Department / College Library

Items	Numbers available at the Beginning of 2019-20	Numbers Added during 2019-20	Total Number	Appr. Value of Addition (Rs.)
Books/CDs	29	59	88	
Indian Journals				

9. Endowment Lectures/Guest Lectures arranged during 2019-2020:

Sl. No	Date	Name of the Endowment / Sponsor	Name of the Guest Speakers	Topic	No. of Participants
1	15.03.2019	RUSA 2.0	Dr. B. SUNDRAMOORTHY	1-Freshwater and Marine Fisheries Management 2-Biodiversity and Conservation of Fisheries Resources	102

2	05.04.2019	RUSA 2.0	Dr. T.T. AJITH KUMAR	Ornamental Fish Culture and Self-Employment	51
3	27.08.2019	RUSA 2.0	Dr. NATANA MURUGARAJGOVINDAN	Algae as a sustainable feed for aquaculture Practices	83
4	22.05.2019	RUSA 2.0	Dr. GAANDY PRAGAS MANIAM	Industrial fisheries and Their Future	20
5	23.05.2019	RUSA 2.0		Industrial fisheries and Management	20
6	22.05.2020	RUSA 2.0	Dr. R. KANNAN	Webinar – Fish for all Forever Herbal Palate: A Buffet for Fishery	100
7	23.05.2020	RUSA 2.0	Dr. T.T. AJITH KUMAR	Webinar – Fish for all Forever Ornamental Aquaculture and Aquarium Maintenance	100
8	26.05.2020	RUSA 2.0	Dr. A. T. RAMACHANDRA NAIK	Webinar – Fish for all Forever Employability in Fisheries Science	100
9	26.05.2020	RUSA 2.0	Dr. R. JAYAKUMAR	Webinar – Fish for all Forever Aquaculture and Empower Development	100

Total Number: 09

10. Conferences/Seminars/Workshops/Refresher/Orientation Courses attended by the Faculty during the year 2019-20:

Name of the Faculty	Name of the Conference/ Seminar/ Workshop etc.	Organizer, with Place	Date(s)	Topic of papers presented/ Attended	National / International
Dr. C. Govindasamy	Applied Nanoscience & nanotechnology (ICANN-2019)	4 th Floor Conference hall, Science campus, Alagappa University	18 th and 19 th march 2019.	Biosynthesis and characterization of silver nanoparticles using a novel seagrass epiphytic bacterium <i>Pseudomonas florescence</i>	International
Dr. C. Govindasamy	Asian-Pacific Aquaculture 2019	Chennai.	19 th 21 st June 2019.	Ecological Swim-in Restaurant for Seagrasses	International
Dr. C. Govindasamy	Recent advances in Marine Biodiversity and Conservation (RAMBAC-2019)	Alagappa University	12 th and 13 th December 2019.	Nutritive Evaluation in Indian Major (Catla catla) Fed with different Feed.	International

15. Extension/Extra Curricular Activities: Games / Sports / Quiz / Alumni Meet / PTA Meet/ Industrial Visit / NSS / YRC / VPP or Other Activities organized during 2019-20

Date(s)	Activity	Place	No. of Participants
18.09.2019	Central Marine Fisheries Research Institute (CMFRI) at Mandapam due to the infrequently the “ Algal Bloom ” forming is now in accrue at the Mandapam Coastal region.	Mandapam	20
20.09.2020	Village Extension Programme – 2019 VEP	Balaiyur	18

18. Infrastructure facilities in the Department / College:

Item	Quantum	Item	Quantum	Item	Quantum
Building space	-	Laptops	-	Wi-Fi unit	-
Air Conditioners	-	LCD projector	-	Podium	-
Generator/Inverter	-	Xerox machine	-	Interactive board	01
Fax Machines	-	Printers	01	-	-
Computers	-	Phones (including intercom)	01	Others (specify)	-

19. Laboratory facilities**(a) Equipments / Facilities Value between Rs. 1 lakh and less than Rs. 5 lakhs**

Description of the Items	Value of Items
Double Beam UV-V is Spectrophotometer	2,44,442.17
