

Resume

Address	: Department of Bioinformatics Alagappa University, Karaikudi, Tamil Nadu, India	 Dr. P. Boomi Assistant Professor
Date of Joining	: 04.12.2015	
Employee Number	: 34404	
Date of Birth	: 10.05.1983	
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Scopus	: https://www.scopus.com/authid/detail.uri?authorId=55191343000	
Web of Science	: https://publons.com/researcher/3066710/p-boomi/	
ORCID	: https://orcid.org/0000-0002-0472-137X	
Google Scholar	: https://scholar.google.com/citations?user=ieelhD4AAAAJ&hl=en	
Linkedin link	: https://www.linkedin.com/in/dr-pandi-boomi-95a24a34/	
Researchgate link	: https://www.researchgate.net/profile/Dr_P_Boomi	

Academic Qualifications: M.Sc., M.Phil., Ph.D

- B.Sc, Chemistry, Madurai Kamaraj University, 2003.
- M.Sc-Chemistry, Alagappa University, Karaikudi, 2007.
- M.Phil-Industrial Chemistry, Alagappa University, Karaikudi, 2008.
- Ph.D -Chemistry, Alagappa University, Karaikudi, September, 2014.

Teaching Experience: 04. 12. 2015 to till date

Research Experience: 04. 12. 2015 to till date

Additional Responsibilities:

S.No.	Position - Dept. of Bioinformatics	Organization
1.	Member, Bioinformatics and Drug Discovery Society	Alagappa University
2.	Co-Coordinator, coaching for competitive exams (NET/SET/GATE/BINC etc.) (Dec-2016 to May-2017)	Alagappa University
3.	Co- Coordinator, Industry Linkage (Dec-2016-till date)	Alagappa University
4.	Co- Coordinator, IQAC (July- 2017- till date)	Alagappa University
5.	Co- Coordinator, VVP/NSS (July-2017 till date)	Alagappa University
6.	Co- Coordinator, Remedial coaching class (Dec-2016 to May-2017)	Alagappa University
7.	Member, Employability skills/career guidance (Dec-2016 to till date)	Alagappa University
8.	Member, Purchase Committee (Dec-2016-till date)	Alagappa University
9.	Member, Research Committee (Dec-2016-till date)	Alagappa University
10.	Member, Curriculum Development	Alagappa University
11.	Member, Examination Board	Alagappa University

Areas of Research

Material Chemistry, Environmental Chemistry, Electro Analytical Chemistry, Nano material synthesis, polymer synthesis, Electrochemistry, Bio-inorganic chemistry, Self-assembly nanoparticles synthesis using small molecules, nano drug delivery, Antimicrobial activity and Anticancer activity.

Extension activities

1. **Refresher Course**, UGC-HRDC, Bharathidasan University, Thiruchirappalli, from **16.07.2019 to 29.07.2019**.
2. **100th Orientation program**, UGC-HRDC, Bharathidasan University, Thiruchirappalli, from **15.11.2017 to 12.12.2017**.
3. **Short Term Training program** on Research Publication and Anti-Plagiarism Department of English and Foreign Languages and Centre for Technical and Academic Writing, Alagappa University, Karaikudi from **09.10.2017 to 15.10.2017**.
4. **Short Term Course** on Professional Enrichment, (STC-2017), College of Education, Alagappa University, Karaikudi, from **07.08.2017 to 13.08.2017**.
5. **Faculty Development Program** Webinar on “Intellectual Property Rights and its Commercial Aspects” Department of Chemistry, Tamil Nadu fisheries University, Nagapattinam, **23.05.2020**.

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	-	2
	M.Phil.	1	-
Project	PG	9	0
	Diploma	1	-
	Other Project Trainee	5	-

Publications

International		National		Others	
Journals	Conferences/workshops	Journals	Conferences/Workshops	Books/Book chapters	
36	23	-	28	Books-1	Chapters-3

Cumulative Impact Factor (as per JCR)	:	162.721
Average Impact Factor	:	4.52
h-index (As per Google scholar)	:	13
i10 index	:	15
Total Citations	:	800

Funded Research Project

S.No	Agency	Period		Project title	Budget (in Lakhs)
		From	To		
1	RUSA-2.0	2018	2019	Greener synthesis of glutathione-metal oxide nanocomposite and its <i>in vitro</i> antibacterial and anticancer activities	12.00

Distinctive Achievements /Award

1. **Quality of Enhancement in Teaching and Research Award**, ALU-RUSA 2.0, Alagappa University, Karaikudi, Tamil Nadu, India, **(12.01.2021)**
2. **Vallal Alagappan Research Recognition Award**, Alagappa University, Karaikudi, Tamil Nadu, India, **(12.01.2021)**
3. **Young Visiting Researcher Award with Rs. 25000 cash prize**-School of Biological and Food Engineering, Anyang Institute of Technology, Henan province, China, **(25.10.2019)**
4. **Research Associate**-HRDG-CSIR, New Delhi, CECRI-Karaikudi **(01.10.2015 to 03.12.2015)**.
5. **Senior Research Fellow**-(UGC-BSR, New Delhi)-Alagappa University, Karaikudi, **(09.02.2013 to 26.09.2014)**
6. **Junior Research Fellow**-(UGC-BSR, New Delhi)-Alagappa University, Karaikudi **(08.02.2011 to 08.02.2013)**
7. **Best presentation for research paper**-Presented in seminar on Application of Nanotechnology, in current agricultural practices, Dr. Zahir Husain College, Ilayangudi **(09-10th. 02.2011)**.
8. **Junior Research Fellow**-Project Assistant-CSIR, CECRI, Karaikudi **(06.04.2009 to 05.10.2009)**

Events organized in leading roles

1. Organizing Committee Member in 8th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design"[SBCADD'2016], at Alagappa University, Karaikudi.
2. Organizing committee member in 9th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2017], at Alagappa University, Karaikudi.
3. Organizing committee member in 10th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2018], at Alagappa University, Karaikudi.
4. Organizing committee member in 11th National Symposium cum Workshop on "Recent Trends in Structural Bioinformatics and Computer Aided Drug Design" [SBCADD'2019], at Alagappa University, Karaikudi.
5. Chair session in National Conference on Advance Materials for Sustainable Energy and Sensors (NCAMSES-2019), at Department of Physics, Alagappa University, Karaikudi, 20th-22nd March, 2019.
6. Organizing Committee Member in International Conference on Recent Structural Bioinformatics and Computer Aided Drug Design (ICSBCADD 2019), Department of Bioinformatics, Alagappa University, Karaikudi.
7. Chair session in International Conference on Recent Structural Bioinformatics and Computer Aided Drug Design (ICSBCADD 2019), Department of Bioinformatics, Alagappa University, Karaikudi.

Events participated & presented in International Conferences, Seminars and symposiums

Total: 24

Presented – 18

Participated-06

S.No	Name of the conference, place and title	Date	Paper presented/ participated
1.	International conference on Frontiers in Chemical Science, Madras Christian College, Chennai. Synthesis and Characterization of Poly(2-aminothiophenol)/Ag composite.	Oct. 2 nd -4 th , 2008	Presented

2.	International conference on Materials for the Millennium (MATCON-2010), Cochin University of Science and Technology, Kerala. Synthesis, Characterization and application of TiO₂ for degradation of dyes.	Jan. 11 th -13 th , 2010	Presented
3.	International conference on Nanomaterials and Nanotechnology (NANO-2010), K.S.R. Technology, Trichangode. Synthesis and Characterization of Polyaniline-ruthenium composite.	Dec. 13 th -16 th , 2010	Presented
4.	International conference on Advanced Materials and its Applications (ICAMA-2011), Kalasalingam University, Krisnankovil. Synthesis and Characterization of Polyaniline Platinum- nanocomposite.	March, 4 th -5 th , 2011	Presented
5.	International conference on Advanced Polymeric Materials (APM-2011), CIPET, Chennai. Synthesis and Characterization of Polypyrrole Platinum- nanocomposite.	March, 25 th -27 th , 2011	Presented
6.	International conference on Recent Advance in Textile and Electrochemical Sciences (RATES-2013), Alagappa University, Karaikudi. Synthesis and Characterization of Polyaniline-Palladium nanocomposite.	March, 21 st -23 rd , 2013	Presented
7.	International Conference on Recent Trends in Biosciences, Dept. of Biotechnology, Alagappa University, Karaikudi. Improved anticancer activity of Polyaniline-metal nanocomposite against Human Hepatocellular (HepG2) carcinoma cell line.	April, 7 th -9 th , 2016	Presented
8.	International Conference on Recent Trends in Microbiology, Department of Microbiology, Alagappa University, Karaikudi. Phytochemical screening and antimicrobial activity of Cucumisanguria L. Leaves.	Dec.7 th -8 th 2016	Presented
9.	International Conference on Frontier Areas in Chemical Technologies, Department of Industrial Chemistry, Alagappa University, Karaikudi. Synthesis and characterization of silver nanoparticles conjugate with antibiotics and its enhanced antibacterial activity. Ionic liquid –assisted one-step synthesis of rGO/MnCO₃ composite for High performance super capacitor electrode.	July, 6 th -8 th , 2017	Presented
10.	Third Asian Conference on Science, Technology & Medicine (ACSTM-2019), Carlton Palace Hotel, Deira Dubai, UAE. Polyaniline-Bimetal Nanocomposite with its Potential Anticancer Activity against Human hepatocellular carcinoma (HepG2) cell line.	Feb.12 th -14 th , 2019	Presented
11.	Sixth Annual Conference 2019 of the Asian Council of Science Editors (ACSE), Carlton Palace	Feb. 2 th -14 th , 2019	Participated

	Hotel, Deira Dubai, UAE.		
12.	International Conference on Nanomedicine (ICON)-2019, School of Chemistry & School of Biotechnology, Madurai Kamaraj University, Madurai. Antiviral activity of greener Lycopene conjugated with metal nanocomposite for the management of Dengue.	Feb. 12 th -14 th , Feb, 2019	Presented
13.	International Conference on Recent Advances in Material Science (ICRAMS-2019), PG & Research Department of Physics, National College, Tiruchirappali. Investigation of the Structural, Optical and Surface Morphological Properties Mn doped ZnS nanoparticles.	Feb. 04 th -06 th , 2019	Presented
14.	International Conference on Applied Nanoscience and Technology (ICANN-2019), Department of Nanoscience Technology, Alagappa University, Karaikudi	March, 18 th & 19 th , 2019	Participated
15.	International Conference on Bioplastics (BIOP 2019), Department of Microbiology, Alagappa University, Karaikudi	April, 2 nd , 2019	Participated
16.	International Conference on Frontier Areas in Chemical Technologies-2019, School of Chemical Sciences, Department of Industrial Chemistry, Alagappa University, Karaikudi. Synthesis and applications of gold nanoparticles using fenugreek seed extract with their antibacterial, UV protection and anticancer	July, 25 th and 26 th , 2019	Presented
17.	International Conference on Recent Advances in Applied Chemical Sciences (ICRAACS), Department of Chemistry, Sree Sevugan Annamalai College, Devakottai. In Silico Study on Molecular Dynamics Simulation of Self assembled nanoparticles against Chikungunya viral disease. Development of Novel Self Assembled Amphiphilic Twin Drugs Nanocarriers by using in silico approach	Sep. 6 th , 2019.	Presented
18.	International Conference on Recent Structural Bioinformatics and Computer Aided Drug Design (ICSBCADD 2019), Department of Biinformatics, Alagappa University, Karaikudi. Pharmacoinformatic Exploration of MMP inhibitor for the treatment of Diabetic Retinopathy from Pinus pinaster Phytoligands. Identification potent novel antiviral compound through the computational method.	Dec. 11 th -13 th , 2019	Presented
19.	International conference on Emerging Trends in Materials for Energy and Biomedical Applications, Department of Science and Humanities, Thalavapalayam, Karur.	07 th March, 2020	Presented

	E-Pharmacophore based Virtual screening for deigning a potential inhibitor for FlmH protein		
20.	International conference on Emerging Trends in Materials for Energy and Biomedical Applications, Department of Science and Humanities, Thalavapalayam, Karur. Identification of novel Potent inhibitor against Alzheimer Disease by using Pharmacophore Modeling approaches	07 th March, 2020	Presented
21.	International Webinar Series on “Application of Bioinformatics in drug design-(COVID-19)”, Department of Biotechnology, KIT, Coimbatore.	May 13 th 2020	Participated
22.	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	Participated
23.	International Webinar Series on “Gene and Drug Delivery Systems for Therapeutic Applications”, School of Chemical and Biotechnology, SASTRA Deemed to be University	May 29 th 2020	Participated
24.	International Virtual Conference on Engineering, Medical, Biomedical and Biological Sciences, SynBiogenica Labs, India, ACE international; Pte Ltd, Singapore Development of novel amphiphilic twin drug through the <i>in silico</i> approach against breast cancer	October 24 th -26 th 2020	Presented

Events participated in International Workshops

Total: 05

Participated-05

S.No	Name of the conference and place	Date	Paper presented/ participated
1.	Workshop on Second international advanced functional Materials (SIWAN-2013), Anna University, Chennai,	Jan. 28 th -30 th , 2013	Participated
2.	India-Japan Workshop on Biomolecular Electronics and Organic Nanotechnology for Environment Preservation (IJWBME-2013), Delhi Technical University, Delhi,	Dec. 13 th -15 th , 2013	Participated
3.	Workshop on international Frontier Areas in Chemical Technologies (FACTs-2014), Alagappa University, Karaikudi,	Feb. 21 st -22 nd , 2014	Participated
4.	International Workshop on Data Science and Analysis, Department of computer science, Alagappa University, Karaikudi	Sep. 27 th -28 th , 2016	Participated
5.	International Workshop on Biomedical applications in Translational Research (BATR-2019) Department of Biomedical Science, Alagappa University, Karaikudi	June, 6 th & 7 th , 2019	Participated

Events participated/presented in National Conferences, Seminars and symposiums

Total: 15

Presented –06

Participated-09

S.No	Name of the conference and place	Date	Paper presented/ participated
1.	National seminar on Application Oriented nanomaterials (NANOMAT-2005), Alagappa University, Karaikudi.	March, 10 th -11 th , 2005.	Participated
2.	National seminar on Recent Advance in Textile and Electrochemical Sciences (RATES-2008), Alagappa University, Karaikudi.	Dec. 19 th -20 th , 2008.	Participated
3.	National symposium on Importance of nanoscience and technology (INST-2009), Alagappa University, Karaikudi	March, 14 th -15 th , 2009.	Participated
4.	National seminar on Application of Nanotechnology in current Agricultural Practices (NANO FARM-2011), Department of Biology, Dr. Zakir Husain College, Ilayangudi. Synthesis and characterization of polypyrrole/Ruthenium nanocomposite.	Feb. 9 th -10 th , 2011	Presented
5.	National conference on Recent Trends in Green Synthesis (RTGS-2011), Alagappa University, Karaikudi. Chemical synthesis of Palladium nanoparticles stabilized by 1-Butyl-3-methylimidazolium tetrafluoroborate ionic liquid.	Aug. 5 th -6 th , 2011	Presented
6.	Conference on Recent Advance in Textile and Electrochemical Sciences (RATES-2012), Alagappa University, Karaikudi.	March, 22 th -23 th , 2012	Participated
7.	8 th National Symposium cum workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design, (SBCADD, 2016) Dept. of Bioinformatics, Alagappa University, Karaikudi. Toxicity of Au and Au-Pt metal nanoparticles against cancer cell lines (HepG2): Recent insights from in vitro study.	Feb. 16 th -19 th , 2016	Presented
8.	National Seminar on Nanomaterials for Specialized Applications (NMSA-2017) & World Standards day Dept. of Nanoscience and Technology, Alagappa University, Karaikudi.	Feb. 9 th -10 th , 2017	Participated
9.	One day conference on Exploring Commercialization of Biosensor In India, Department of Bioelectronics, and Biosensor,	March, 14 th 2017	Participated

	Alagappa University, Karaikudi.		
10.	One day National Conference on “Recent Trends in Microbiology (NCTM-2017), Department of Microbiology, Alagappa University, Karaikudi.	Sep. 27 th , 2017	Participated
11.	10 th National Symposium cum workshop on “Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD 2018) Dept. of Bioinformatics, Alagappa University, Karaikudi.	Feb. 20 th -23 th , 2018	Participated
12.	DST sponsored National Conference on Nanomaterials (NCT-2019), Department of Physics, LRG Government Arts College for Women, Tirupur. Ionic Liquid Assisted Green synthesis and Characterization of strontium cerium mixed oxide nanoparticles using plant and its as antibacterial and antioxidant properties. Studies on the effect of Fe doped MgO nanoparticles by co-precipitation method. Preparation and transition metal doped SnO₂ nanoparticles synthesis by co-precipitation method	Jan, 24 th -25 th , 2019	Presented
13.	Proceeding of the National Conference on Space Astronomy and Nanomaterials, Department of Physics, Idhaya College for Women, Sarugani. A greener approach to synthesize gold nanoparticles for multi-functional finishing of cotton fabric and anticancer activity	Feb, 11 th , 2019	Presented
14.	11 th National Symposium cum workshop on Recent Trends in Structural Bioinformatics and Computer Aided Drug Design (SBCADD 2019) Dept. of Bioinformatics, Alagappa University, Karaikudi. Study on molecular docking and dynamics using computaional approach for protein pkb-potential target in stomach cancer. E-pharmacophore based virtual screening and molecular dynamic to identify syk inhibitors glioblastoma.	Feb. 12 th -15 th , 2019	Presented
15.	National Conference on Advanced Materials for Sustainable Energy and Sensors, Dept. of Physics, Alagappa University, Karaikudi.	March, 20 th -22 th , 2019	Participated

Events participated in National Workshops

Total: 13

Participated-13

S.No	Name of the conference and place	Date	Paper presented/ participated
1.	National workshop on Green Chemistry, Alagappa University, Karaikudi	March, 31 st , 2008	Participated
2.	National workshop on Green process techniques for industrial application (GREPTIA-2009), Alagappa University, Karaikudi	March, 20 th -21 st , 2009	Participated
3.	Workshop on Electroanalytical Techniques, Alagappa University, Karaikudi	Oct. 11 th -13 th , 2010	Participated
4.	Workshop on Recent Trends in Electrochemistry, CSIR-CECRI, Karaikudi	April, 28 th , 2011	Participated
5.	State level workshop on Structural Solving by Powder X-ray Diffraction (SLWSSP-XRD-2011), Alagappa University, Karaikudi	July, 26 th -27 th , 2011	Participated
6.	Workshop on Characterization Techniques (NWCT-1, 2012), Alagappa University, Karaikudi	March, 24 th -26 th , 2012	Participated
7.	Two day lecture workshop on Advance Chemistry, Alagappa University, Karaikudi	Sep. 20 th -21 th , 2013	Participated
8.	World Animal Day celebration, Department of Animal Health and Management, Alagappa University, Karaikudi	Oct. 4 th , 2017	Participated
9.	Four days workshop on Commercialization Prospects of Microbial Formulates, Department of Microbiology, Alagappa University, Karaikudi	Jan. 22 th -25 th 2018	Participated
10.	One day workshop on Design and Development of MOOCs for the Faculty Members of Alagappa University and Affiliated Colleges, Alagappa University, Karaikudi.	Nov. 8 th , 2018.	Participated
11.	First Two days National Workshop on Indigenous Cow Management and their Value Added Products (ICMVAP-2K18), Department of Animal Health Management, Alagappa University, Karaikudi.	Dec.18 th & 19 th , 2018	Participated
12.	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	Participated
13.	One day Workshop on Water conservation, Department of Microbiology, Alagappa University, Karaikudi.	Nov. 22 nd , 2019	Participated

Overseas Exposure / Visits

1. Dubai, Deira-(Feb, 2019)
2. China, Henan Province, Henan City-(Oct, 2019)

Membership in professional / national / international bodies

1. Life member: BIDDs (Bioinformatics Drug Discovery Society), Tamil Nadu, Karaikudi.
2. Senior Member: Chemical, Biological & Environmental Engineering Society (HKCBEEs), Hong Kong, (Member NO.: 101762)

Reviewer for Journals

S.No	Journal name	Publisher
1	RSC Advances	RSC
2	New Journal of Chemistry	RSC
3	Journal of Inorganic and Organometallic Polymers and Materials	Springer
4	Journal of Photochemistry & Photobiology, B: Biology	Elsevier
5	Applied Organometallic Chemistry	Wiley
6	Journal of Material Chemistry C	RSC
7	SN Applied Science	Springer
8	Microscopy Research and Techniques	Wiley
9	Process Biochemistry	Elsevier

Resource persons in various capacities/ invited talk

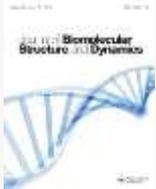
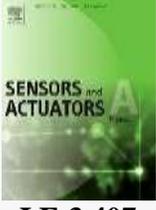
1. **Invited lecture** on “Synthesis of Metal Nanoparticles and Polymer Based Metal Nanocomposite for Biomedical Application” in India-UK Second International Conference on Bishop Heber College, Tiruchirappali, **04th - 06th, February, 2019.**
2. **Invited resource person** for Science Exhibition, in Seventh day Matriculation School, Paramakudi, **08th February, 2019**
3. **Invited lecture** on “Nanomaterials for Biomedical Applications: *In silico* and *In vitro* studies”, in International conference on recent advances in applied chemical sciences, Sree Sevugan Annamalai College, Devakottai, **6th, September, 2019.**
4. **Invited lecture** on “Nanobioinformatics in Biomedical Applications”, in International Convention and Exhibition Center, School of Biological and Food Engineering, Anyang Institute of Technology, China, **25th, October, 2019.**
5. **Invited lecture** on “Nanomaterials for Multidisciplinary Applications”, in International Conference on Emerging Trends in Physics, Department of Physics, Madurai Nadars Pioneer Meenakshi Women’s College, Poovanthi, Sivagangai, **08th, February, 2020.**
6. **Invited lecture** on “Nanomaterial synthesis with their in vitro and in silico approaches”, in International Conference on Nanomaterial synthesis and Applications, Department of Physics, Caussanel College of Arts

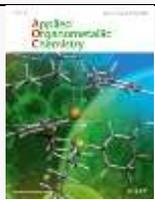
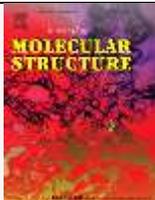
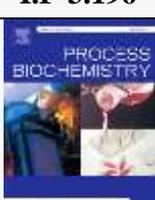
and Science, Muthupettai on **19th, February, 2020.**

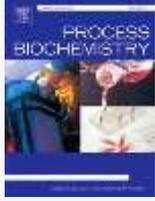
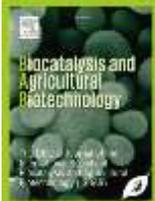
7. **Invited lecture** on “Nanomaterials for Multidisciplinary Applications” in One day International Seminar on Current Scenario in Nanodevices and its Applications, Department of Physics, Ananda College, Devakottai, **03rd, March, 2020.**
8. **Invited lecture** on “Synthesis of metal nanoparticles and its *in silico* and *in vitro* approaches for drug delivery” in International Conference on Emerging Trends in Materials for Energy and Biological Application, Department of Science and Humanities, Thalavapalayam, Karur, **07th, March, 2020.**
9. **Invited speaker** on “In silico identification of drug molecules and nanoformulation: in vitro and in vivo approach against emerging diseases” International Webinar Conference on Biomaterials on Healthcare Application, Department of Biotechnology, Karunya Institute of Technology and Sciences during **May 28 – 30th 2020.**
10. **Invited speaker** on “Nano drug delivery for emerging diseases; In silico and In vitro approaches” International Webinar Conference on Facts and Perspective of Integrative Biology, Department of Biotechnology, Sree Ramakrishna College of Arts and Science, Coimbatore, **June 2-4th 2020.**
11. **Invited speaker** on “Nano formulations for Therapeutic Applications” International Online Faculty Development Program on Recent Advanced In Nanomaterials, St. Joseph’s College of Engineering, Chennai, **June 4-6th 2020.**

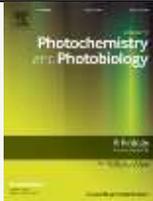
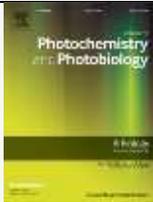
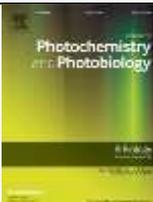
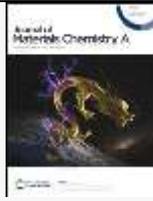
Research publication in SCI journals

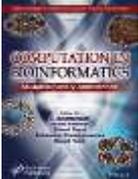
S.NO	Journal publication	Impact Factor
1.	S. Muthumanickam, A. Kamaladevi, P. Boomi* , S. Gowrishankar, S. Karutha Pandian, Indian ethnomedicinal phytochemicals as promising inhibitors of RNA binding domain of SARS-CoV-2 nucleocapsid phosphoprotein: an in silico study, Frontiers in Molecular Biosciences, Molecular Diagnostics and Therapeutics, July (2021), 8, 637329, Scopus Indexed Journal.	 I.F-5.246
2.	S. Muthumanickam, P. Boomi* , M. Nachiappan, R. Balajee, R. Vidhyavathi G. Poorani, S. Gowrishankar, Y. Wang, M. Biruntha, R. Subaskumar C. Balakumar, M. F. Bayan, J. Jeyaraman, H.G. Prabu K. Solomon, In Silico Screening of Natural Phytoconstituents Towards Identification of Potential Lead Compounds to Treat COVID-19, Frontiers in Molecular Biosciences, Molecular Diagnostics and Therapeutics, July (2021), 8, 637122, Scopus Indexed Journal.	 I.F-5.246
3.	V. Karthik, S. Poornima, H. Barabadi, V. Arumugam, D. Daniel Raj, S. Manikandan, S. Ramasamy, K. Anand, P. Boomi , C. Balakumar, A. Selvaraj, M. Saravanan, Emerging Therapeutic Approaches to Combat COVID-19: Present status and future perspectives, Frontiers in Molecular Biosciences, Molecular Diagnostics and Therapeutics, March, (2021), 8, 604447, Scopus Indexed Journal.	 I.F-5.246

4.	S. Gowrishankar, S. Muthumanickam, A. Kamaladevi, C. Karthika, R. Jothi, P. Boomi , D. Maniazhagu, S. Karutha Pandian, Promising phytochemicals of traditional Indian herbal steam inhalation therapy to combat COVID-19 – An in silico study, Food and Chemical Toxicology , February, (2021), 148, 111966, Scopus Indexed Journal .	 I.F-6.023
5.	K. Anand, S. Abdul Naeem, T. Ghazi, R. Muthusamy, G. Gupta, M. Tambuwala, H. Dureja, S. Sachin Kumar, D. Chellappan, D. Kamal, P. Boomi , M. Saravanan, Anil Chuturgoon, Induction of caspase-mediated apoptosis in HepG2 liver carcinoma cells using mutagen-antioxidant conjugated self-assembled novel carbazole nanoparticles and in silico modeling studies, ACS Omega , December, (2020), 6, 265–277, Scopus Indexed Journal .	 I.F-3.512
6.	K. Shanmugapriya, S. Palanisamy, P. Boomi* , R. Subaskumar, S. Ravikumar, T. Thayumanavan, An eco-friendly Gnaphalium polycaulon mediated silver nanoparticles: Synthesis, characterization, antimicrobial, wound healing and drug release studies, Journal of Drug Delivery Science and Technology , November, (2020), 102202, Scopus Indexed Journal .	 I.F-3.981
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