



**Dr. V. NITHYA**  
**Assistant Professor**

### Contact

Address : Department of Animal Health and management  
Alagappa University  
Karaikudi – 630 003  
Tamil Nadu, INDIA

Employee Number : 36403

Date of Birth : 20-07-1982

Contact Phone (Mobile) : +91 9842999430

Contact e-mail(s) : [dr.nithya.gopinath@gmail.com](mailto:dr.nithya.gopinath@gmail.com)  
[nithyav@alagappauniversity.ac.in](mailto:nithyav@alagappauniversity.ac.in)

Skype id : nithya.v84

### Academic Qualifications: M.Sc.,(BC), M.Sc(BI), M.Sc.,(BT),M.Phil.,Ph.D.,MBA.,PGDBI.,

S.No	Degree	Institution place	Year	Field of Study
1.	Ph.D.,	Bharathidasan University	2014	Biotechnology
2.	M.Phil.,	Bharathidasan University	2006	Biochemistry
3.	M.Sc.,	Srimati Indira Gandhi College, BDU	2004	Biochemistry
4.	M.Sc.,	Periyar University	2014	Biotechnology
5.	M.Sc.,	Bharathiar University	2010	Bioinformatics
6.	MBA	Bharathiar University	2014	Information system
7.	PGDBI	Srimati Indira Gandhi College, BDU	2004	Bioinformatics

### Teaching Experience: 10 Years

S.No	Institution place	Position	From(Date)	To (Date)
1.	Alagappa University, Karaikudi	Assistant Professor, DAHM	30/01/2016	Till date
2.	Ururu Dhanalakshmi College, Trichy	Assistant Professor, Dept. of Microbiology	01/07/2013	29/01/2016
3.	Srimad Andavan Arts and Science College, Trichy	Assistant Professor, Dept of Biotechnology	30/05/2007	30/06/2012

## Research Experience: 8 Years

## Additional Responsibilities

1. **Member of Syndicate** – Bharathidasan University from 19<sup>th</sup> July 2018.
2. **Coordinator** – Journal Club in Department of Animal Health and Management. Alagappa University
3. **Coordinator** – Village Placement Programme, Alagappa University.
4. **University Representative** –DDE examination, Alagappa University.
5. **Coordinator**- Student Welfare Association in Department of Animal Health and Management, Alagappa University.
6. **Member** – Ph. D. Doctoral Committee, Alagappa University.
7. **Member** – NAAC Reaccreditation 3<sup>rd</sup> cycle, Alagappa University.
8. **Coordinator** - PTA Meet Committee in Dept. of Animal Health and Management, Alagappa University.
9. **Coordinator** - M.Phil.(SSP), & DDE-Personal Contact Programme- Zoology, Alagappa University.
10. **Member** - Department IQAC, Annual Report and Academic Audit Committee, Alagappa University
11. **Member** –Alumni & parent teacher committee, Alagappa University
12. **Member**- Purchase Committee, Alagappa University
13. **Member**- Counselling /Career Guidance, Alagappa University.

## Areas of Research

Pharmaceutical science,  
Mushroom cultivation Techniques,  
Indian Cow ark (Gomuthra Ark) Products,  
Clinical Biochemistry,

## Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	-	1
	M.Phil.	8	2
Project	PG	18	3
	UG / Others	-	-

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
29	2	2	-	1

Cumulative Impact Factor (as per JCR) : 4.727

h-index : 5  
i10 index : 5  
Total Citations : 127

### Funded Research Projects

#### Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1.	AURF	2017	2019	Identification and characterization of triterpenoid saponins from <i>Celosia spicata</i> Linn for mycotic keratitis	0.35

### Distinctive Achievements / Awards

1. AURF start-up research grant for newly recruited faculty, March 2017, Alagappa University, Karaikudi

### Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 1

1. Organizing Member- Training Programme on “Recent Trends in Software Industries. Role of Income Tax and sale Tax in Business.” 3<sup>rd</sup> March, 2016, Department of Animal Health and Management, Alagappa University.
2. As a convenor, organized “World Animal Day Celebration” by the Department of Animal Health and Management, Alagappa University, Karaikudi on 4th October, 2017.

### Events Participated and presented - 30

#### Conferences / Seminars / Workshops:

##### International Workshop

1. International workshop on “molecular physiology, therapeutics and experimental medicine (MPTEM – 2016). 6<sup>th</sup> -7<sup>th</sup> September 2016, Department of Animal Health and Management, Alagappa University.
2. “*In Silico* structural analysis of 16S rDNA sequences of bacteria isolated from keratitis patients”. *Seventh Indo-US Workshop on mathematical chemistry*. PRIST University, Thanjavur, TN, India and University of Minnesota Duluth, December 4-6, 2012.

### **International Conference**

1. Insilco analysis and molecular approach of keratitis causing microorganisms". Two days International Conference on "Recent Advanced in Modern Medicine: Molecular Signalling Scenarios in tissues and disease" on 3rd & 4th of September, 2016 organized by your "Research and Development Wing, SBMCH, Bharath University, Chrompet, Chennai-600044".
2. Evaluation of antidiarrheal activity on coriandrum sativum linn., in castor oil-induced wistar albino rats" Two days International Conference on "Recent Advanced in Modern Medicine: Molecular Signalling Scenarios in tissues and disease" on 3rd & 4th of September, 2016 organized by your "Research and Development Wing, SBMCH, Bharath University, Chrompet, Chennai-600044.
3. "Expression Pattern of Sdf1 and Erbb2 Proteins In Preneoplastic And Neoplastic Human Gastric Tissuses". *International Conference on Recent trends in life sciences*, P.G. and Research Department of Zoology. Holy Cross College, Trichy, 17<sup>th</sup> -18<sup>th</sup> February 2011.
4. International conference on Recent Trends in BioSciences (ICRTB 2016). 7<sup>th</sup> -9<sup>th</sup> April, 2016, Biosciences Departments, Alagappa University.
5. Biodiesel Production from marine algae gracilaria salicornia using transesterification. International Conference on Recent Trends in Microbiology-2016 (RTM 2016). Department of Microbiology, Alagappa University, on 20th & 21st December, 2016.
6. GC-MS analysis of plant components of leaves extract of Coriandrum sativum linn. International Conference on Recent Trends in Microbiology-2016 (RTM 2016). Department of Microbiology, Alagappa University, on 20th & 21st December, 2016.
7. "Efficacy of anti diarrheal activity of Pedalium murex L., in wistar albino rats". *International Science Symposium on HIV & Infectious Diseases*. YRG Centre for AIDS Research and Education Voluntary Health Services Hospital Campus, BMC, CSIR, DPT. Tharamani, Chennai, January 2012.

### **National Conference**

1. Anti-cancer activity of Anisochilus Carnosus. Proteofest 2016, 3<sup>rd</sup> National Conference On Botanicals and Phytochemicals: the Challenges and Promise for Health and Drug Development. Department of Rev. Jacob Memorial Christian College. 4<sup>th</sup> February, 2016. Ambilikkai- 624612, Dindigul.
2. Evaluation of the wound healing potential of Hibiscus Rosasinensis (Malvaceae) by invivo excision and Incision models. Proteofest 2016, 3<sup>rd</sup> National Conference On Botanicals and Phytochemicals: the Challenges and Promise for Health and Drug Development. Department of Rev. Jacob Memorial Christian College. 4<sup>th</sup> February, 2016. Ambilikkai-624612, Dindigul.
3. "Women in the informal economy". *National Conference on Emerging Trends in Women Leadership in India*, Women's Studies Centre Holy Cross College, in collaboration with Centre for Women's Studies, Cauvery College for Women Trichy, 1<sup>st</sup> March 2011.

### **International Seminar**

1. "Characterization of keratitis disease causing 56k protease encoding gene from serratia marcescens". *International seminar on Recent Trends on Life sciences*. Head, Department of Biochemistry, Navarasam Arts and Science College. Arachalur, Erode, 18<sup>th</sup> August 2011.
2. "Nanotechnology developments for new drug delivery". *International seminar on Recent Trends on Life sciences*. Head, Department of Biochemistry, Navarasam Arts and Science College. Arachalur, Erode, 18<sup>th</sup> August 2011.

3. “Probiotics and prebiotics in foods”. ***International seminar on Recent Trends on Life sciences***. Head, Department of Biochemistry, Navarasam Arts and Science College. Arachalur, Erode, 18<sup>th</sup> August 2011.
4. “Ethanol extract of mucuna pruriens ameliorates hyperglycemia and dyslipidemia in streptozotocin-induced diabetic rats”. ***International seminar on Recent Trends on Life sciences***. Head, Department of Biochemistry, Navarasam Arts and Science College. Arachalur, Erode, 18<sup>th</sup> August 2011.

### **National Seminar**

1. Isolation and characterization of bioactive compounds from ethanol extract of *Gymnema sylvestre* for R.Br.anti-inflammatory potential. National Seminar on “Advances in Pathophysiology” (APPY-2017) 13th September-2017 Organized by Department of Zoology, School of Life Sciences, Periyar University, Salem.
2. “Designing Inhibitors For Anti Sars Drugs”. ***National level forum on “Emerging debates on communicable disease”(EDCD)***. P.G. Department of Microbiology, Jamal Mohamed College, 28<sup>th</sup> February 2011.
3. “Phytochemical and biochemical activity of *polygonum barbatum* linn”. ***Genomera’09, National seminar on Herbal Plant Biotechnology***. Dept of biotechnology, Periyar Maniammai university, 30<sup>th</sup> & 31<sup>st</sup> July 2009.
4. “Chromatographic separation of amino acid in women saliva with the special reference to ovulation”. ***National Seminar on Recent Advances in Biotechnology***. Bishop Heber College, Trichy, 18<sup>th</sup> March 2009.
4. “Evaluation of wound healing activity of *Polygonum barbatum* linn in wistar albino rats”. ***National Seminar on Recent Advances in Biotechnology***. Bishop Heber College, Trichy, 18<sup>th</sup> March 2009.
5. “Phytochemical and biochemical activity of *Lawsonia ulba* linn”. ***National Seminar on Recent Advances in Biotechnology***. Bishop Heber College, Trichy, 18<sup>th</sup> March 2009.
6. “Biosynthesis and Characterization of Biodiesel from cotton seed oil using pseudomonas fluorescence lipase”. ***National Seminar on Recent Advances in Biotechnology***. Bishop Heber College, Trichy, 18<sup>th</sup> March 2009.
7. “Wound healing activity of *leonatis naepatifoliae* linn in wistar albino rats”. Herbal Focus-2009. ***National Seminar on Scientific Validation of Medicinal Plants***. Srimad Andavan College of Arts & Science, Trichy, 24<sup>th</sup> & 25<sup>th</sup> January 2009.
8. “Wound healing activity of *Lawsonia ulba* linn in wistar albino rats”. Herbal Focus-2009. National Seminar on Scientific Validation of Medicinal Plants. Srimad Andavan College of Arts & Science, Trichy-5, 24th & 25th January 2009.
9. Herbal Focus-2008. ***National level seminar on “Medicinal Plant Research & Marketing – Present scenario”*** 2th & 3th February 2008. Srimad Andavan Arts and Science College, Trichy-5.
10. Herbal Focus-2009. ***National Seminar on Scientific Validation of Medicinal Plants***. Srimad Andavan College of Arts & Science, Trichy-5, 24th & 25th January 2009.
11. Herbal Focus-2010. ***National level seminar on “Medicinal Plant Research & Marketing – Present scenario”*** 8th & 9th February 2010. Srimad Andavan Arts and Science College, Trichy-5.
12. Herbal Focus-2011. ***National level seminar on “Medicinal Plants”*** 19th February 2011. Srimad Andavan Arts and Science College, Trichy-5

## Other Training Programs

1. Training Programme on “Recent Trends in Software Industries. Role of Income Tax and sale Tax in Business.” 3<sup>rd</sup> March, 2016, Department of Animal Health and Management, Alagappa University.
2. Training Programme on “Live feed culture production (Artemia, Phytoplanktons & Zooplanktons, Spirulina) and sea weed culture and its allied industries”. 26<sup>th</sup> February, 2016.
3. Participated in “World Animal Day Celebration” by the Department of Animal Health and Management, Alagappa University, Karaikudi on 4th October, 2016.

## Membership in

1. Associate- International Safety Quality Environment Management Association (AISQEM)
2. Life member – Indian Science Congress Association
3. Life member – Indian Association of Biomedical Scientists
4. Member –International Society for Infectious Diseases (ISID)

## Others

### 14-Nucleotide Sequences deposited in Genbank NCBI.

<b>Bacteria</b>	<b>Accession number</b>
<i>Staphylococcus aureus</i> isolated from keratitis sample.	JN378392
<i>Staphylococcus epidermidis</i> isolated from keratitis sample.	HQ404365
<i>Micrococcus sp</i> isolated from keratitis sample.	HM20450
<i>Streptococcus viridians</i> isolated from keratitis sample.	JN378393
<i>Moraxella sp.</i> isolated from keratitis sample.	JQ039348
<i>Propionibacterium acnes</i> isolated from keratitis sample.	JQ039349
<i>Acinetobacter baumannii</i> isolated from keratitis sample.	JN652129
<i>Citrobacter koseri</i> isolated from keratitis sample.	JN652127
<i>Pseudomonas aeruginosa</i> isolated from keratitis sample.	JQ039350
<i>Flavobacterium</i> isolated from keratitis sample.	JN835368
<i>Klebsiella sp.</i> isolated from keratitis sample.	JN652128
<b>Fungi</b>	<b>Accession number</b>
<i>Candida albicans</i> isolated from keratitis sample.	JX912562
<i>Fusarium sp.</i> isolated from keratitis sample.	JQ412816
<i>Aspergillus sp.</i> isolated from keratitis sample.	JX204747

## Recent Publications

### 1. Book Chapter Publication

*Bioactive compound analysis of Coriandrum Sativum L. against microbial keratitis," Nithya V. Ophthalmology: Breakthroughs in Research and Practice: & IGI Global Book Submission System.,2018,1: 110-128. ISBN13: 9781522506072.*

### Journals Publications

## RECENT PUBLICATIONS

### BOOK CHAPTER PUBLICATION

- *Bioactive compound analysis of Coriandrum Sativum L. against microbial keratitis," Nithya V. Ophthalmology: Breakthroughs in Research and Practice: & IGI Global Book Submission System.,2018,1: 110-128. ISBN13: 9781522506072.*

### JOURNALS PUBLICATIONS

1. **Nithya V**, Balasubramanian K.(2008). Evaluation of wound healing activity of *Polygonum barbatum* Linn in wistar albino rats. Research journal of Biological sciences. Inflorescence:I Floret:1.14-20.[ISSN 0974-4177].
2. **V.Nithya**, Anusha Baskar.(2010). Wound healing activity of *Lawsonia ulba* Linn in wistar albino rats. *Inventi rapid: Ethnopharmacology*, vol.1, issue 1 [ISSN 0976-3805] published on Web 11/06/2010.(Impact Factor 2.84).
3. **Nithya**, V, Alagendran S, Archunan G, Anusha Bhaskar, Baskaran X, Miller samson S,Anusha R, Orozco-Bonilla E and Guevara Guzmán Rosalinda. (2010). Evaluation of amino acids profiles in human saliva using reverse phase high performance liquid chromatography. *International Journal of Biological Technology* 1(1), 84 – 89.
4. **V.Nithya**, Anusha Baskar.(2011).Evaluation of Phytochemical studies on *Polygonum barbatum* linn. *Inventi rapid: Ethnopharmacology*, vol.2, issue 1 [ISSN 0976-3805] published on Web 18/01/2011.(Impact Factor 2.84).
5. **V.Nithya**. (2011).Phytochemical studies on *Lawsonia ulba* linn.- A Medicinal plant. *Inventi rapid: Ethnopharmacology*, vol.2, issue 1 [ISSN 0976-3805] published on Web 18/01/2011.(Impact Factor 2.84).
6. **V.Nithya**.(2011).A Review of Pharmacological Studies of some Medicinal Plants as Antimicrobial and feed Additives. *Inventi rapid: Ethnopharmacology*, vol.2, issue 1 [ISSN 0976-3805] published on Web 01/02/2011.(Impact Factor 2.84).

7. **V.Nithya.**(2011).Antimicrobial Activity of Medicinal Plants. *Inventi rapid:Ethnopharmacology*, vol.2, issue 1 [ISSN 0976-3805] published on Web 11/02/2011.(Impact Factor 2.84).
8. **Nithya V**, Brinda P and Anand KV. (2011).Wound Healing Activity Of *Leonotis Nepetaefolia* R.Br.,In Wistar Albino Rats" *Asian J Pharm Clin Res*, 4(2): 23-26.
9. Anusha Bhaskar, **Nithya V** and Vidhya VG. (2011).Phytochemical screening and in vitro antioxidant activities of the ethanolic extract of *Hibiscus rosa sinensis* L. *Annals of Biological Research*, 2011, 2 (5) :653-661.
10. **V.Nithya**, Anusha Baskar.(2011). A Preclinical Study on Wound Healing Activity of *Lawsonia ulba* Linn., *Res j. Phtochem*.5: 123-129.
11. **V.Nithya.** (2011).Nanotechnology Applications in Drug Development. *Inventi Rapid: Pharm Tech*, vol.2, issue 1 [ISSN 0976-3805] 2011.(Impact Factor 2.67)
12. **V.Nithya.**(2011).Anti-Inflammatory Activity of *Allium sativum* Linn., in Wistar Albino Rats. *Inventi rapid: Ethnopharmacology*, vol.2, issue 1 [ISSN 0976-3805] March 2011.(Impact Factor 2.84)
13. **V.Nithya.**(2011).Nanotechnology Developments for New Drug Delivery. *Inventi Rapid: Pharm Tech*, vol.2, issue 1 [ISSN 0976-3805] 2011.(Impact Factor 2.67)
14. **V.Nithya.**(2011).A Review on Clinical Uses of Aloe Vera. *Inventi Rapid: Pharmacy Practice*, vol.2, issue 1 [ISSN 0976-3805] 2011.(Impact Factor 1.73)
15. **V.Nithya.**(2011).A Review on Treating Sickle Cell Disease through Indian Medicinal Plants. *Inventi rapid: Ethnopharmacology*, vol.2, issue 1 [ISSN 0976-3805] April 2011.(Impact Factor 2.84)
16. **V. Nithya.** (2011). Anti-inflammatory activity of *lawsonia ulba* linn., in wistar albino rats. *Asian Journal of Science and Technology*,Vol. 4, pp.001-003.
17. **V.Nithya.**(2011).A Review on Probiotics and Prebiotics in Foods. *Inventi Rapid: Nutraceuticals*, vol.2, issue 1 [ISSN 0976-3805] May 2011. (Impact Factor 1.53)
18. Anusha Bhaskar, **Nithya V** and Vidhya VG. (2011). Phytochemical evaluation by GC-MS and antihyperglycemic activity of *Mucuna pruriens* on Streptozotocin induced diabetes in rats. *J. Chem. Pharm. Res.* 3: 689-696.
19. **Nithya V.** (2011).Evaluation of the wound healing activity of *Datura metel* L., in wistar albino rats. *Inventi rapid: Ethnopharmacology*, vol.4, issue 1 [ISSN 0976-3805] October 2011.(Impact Factor 2.84).

20. Ravikumar R, Baskar Anusha, **Nithya V**, Haripriya R and Parkavi V. (2012).Efficacy of anti-diarrheal activity of *Petalium murex L.*, in wistar albino rats. BMC Infectious Diseases,12 (Suppl 1):P90. (Impact Factor 3.14)
21. **Nithya V**, Anusha Bhaskar. Design 16S rRNA and 18S rRNA Universal Primers for Detect the Pathogenicity in Keratitis Disease Using In-silico C++ Analysis. *Inventi Rapid:Molecular Modeling*, 2013(3):1- 6, 2013.
22. **Nithya V**, Anusha Bhaskar. 16S and 18S rRNA Gene Sequencing of Atypical Clinical Isolated Microorganisms Identified in Keratitis Patients. *Inventi Rapid: Clinical Research*, 2013(3):1-6.
23. **V Nithya**. Evaluation of Antidiarrheal Activity on *Allium sativum Linn.* in Albino Rats. *Inventi Rapid: Ethnopharmacology*, 2014(2): 1-3, 2014. (Impact factor 2.84).
24. A Bhaskar, **V Nithya**. Evaluation of the wound-healing activity of *Hibiscus rosa sinensis L (Malvaceae)* in Wistar albino rats. *Indian journal of pharmacology* 44 (6), 694, 2012.
25. A Bhaskar, **V Nithya**. *In silico* Structural Analysis of 16S rDNA Sequences of Bacteria Isolated from Keratitis Patients. 6: 45-61, 2013.
26. **V.Nithya**, Anusha Bhaskar. A review on microbial keratitis. *World Journal of Pharmaceutical Research*. 2014;3(7):189-201.(Impact Factor 5.045)
27. **V.Nithya**. Phytochemical and wound healing activity of *Allium Sativum linn.*, in wistar albino rats. *World Journal of Pharmaceutical Research*.2014;3(7):491-498. (Impact Factor 5.045)
28. **V.Nithya**. Phylogenetic analysis of 16srDNA and 18srDNA sequences of bacteria and fungi from keratitis patients. *World Journal of Pharmaceutical Research*. 2014;3(10):932-941.(Impact Factor 5.045).
29. **V.Nithya**, Anusha Baskar,M.H. Muhammad Ilyas. Antimicrobial activity of certain antibiotics on the microbial isolates of keratitis patient. *World Journal of Pharmaceutical Research*.2014;3(10):1226-1234.(Impact Factor 5.045).
30. **V.Nithya**. Evaluation of phytochemicals studies on *coriandrum sativum linn.* *World Journal of Pharmaceutical Research*.2015;4(5):1465-1471.(Impact Factor 5.990).
31. **V.Nithya**. Evaluation of antidiarrheal activity on *coriandrum sativum linn.*, in wistar albino rats. *World Journal of Pharmaceutical Research*.2015;4(5):638-643.(Impact Factor 5.990).

## PUBLICATIONS IN PROCEEDINGS

1. Anti-cancer activity of *Anisochilus Carnosus*. Proteofest 2016, 3<sup>rd</sup> National Conference On Botanicals and Phytochemicals: the Challenges and Promise for Health and Drug Development. Department of Rev. Jacob Memorial Christian College. 4<sup>th</sup> February, 2016. Ambilikai, Dindigul.
2. Evaluation of the wound healing potential of *Hibiscus Rosasinensis* (Malvaceae) by *invivo* excision and Incision models. Proteofest 2016, 3<sup>rd</sup> National Conference On Botanicals and Phytochemicals: the Challenges and Promise for Health and Drug Development. Department of Rev. Jacob Memorial Christian College. 4<sup>th</sup> February, 2016. Ambilikai, Dindigul.

## CO-CURRICULAR AND EXTRA CURRICULAR ACTIVITIES

Capacity	Nature of work
External Examiner	Practical Viva-voce for our affiliated colleges
Question paper setter	Question paper setting for Alagappa University, Bharathiar University and Bharathidasan University affiliated colleges.
Internal Examiner	Practical Viva-voce examiner for Animal Health and Management, Alagappa University
Internal Member	Preparation of syllabus to Zoology, Alagappa University
Member	Department Research Committee, Animal Health and Management, Alagappa University

## ORIENTATION/REFRESHER PROGRAMME ATTENDED

Name of the Programme	Duration of the Programme	Organized by
99 <sup>th</sup> Orientation Programme	15/11/2017 to 12/12/2017	UGC – Human Resource Development Centre, Bharathidasan University, Trichy
A one week- short term training programme on research methodology and Anti-plagiarism	09/10/2017 to 15/10/2017	Department of English, Alagappa University, Karaikudi

