



**Dr. V. NITHYA**  
**ASSISTANT PROFESSOR**

**Contact**

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**Academic Qualifications**

<b>Degree</b>	<b>Institution</b>	<b>Year</b>	<b>Branch</b>	<b>Class</b>
D.Sc.,	Madurai Kamaraj University	2023	Biotechnology	-
Ph.D.,	Bharathidasan University	2014	Biotechnology	First Class
M.Sc.,	Periyar University	2014	Biotechnology	First Class
M.Sc.,	Bharathiar University	2010	Bioinformatics	First Class
M.Phil.,	Bharathidasan University	2006	Biochemistry	First Class

M.Sc.,	Srimati Indira Gandhi College, BDU	2004	Biochemistry	First Class
PGDBI	Srimati Indira Gandhi College, BDU	2004	Bioinformatics	First Class
MBA	Bharathiar University	2014	Information system	Second Class

### Teaching Experience

Total Teaching Experience : 15 years

Position	Institution	Duration
Assistant Professor	DAHM, Alagappa University, Karaikudi	30/01/2016 – Till date
Assistant Professor	Dept. of Microbiology, Urumu Dhanalakshmi College, Trichy	01/07/2013 - 29/01/2016
Assistant Professor	Dept of Biotechnology, Srimad Andavan Arts and Science College, Trichy	30/05/2007 - 30/06/2012

### Research Experience

Total Research Experience : 10 Years

Position	Institution / University	Duration
Assistant Professor and Research Supervisor, DAHM	Alagappa University, Karaikudi	30/01/2016 – Till date
Assistant Professor and Research Supervisor, Dept. of Microbiology	Urumu Dhanalakshmi College, Trichy	01/07/2013 - 29/01/2016

Assistant Professor and Research Supervisor, Dept of Biotechnology	Srimad Andavan Arts and Science College, Trichy	30/05/2007 - 30/06/2012
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### Academic and Additional Responsibilities

S. No	Position	University Bodies	Period	
			From	To
1.	Warden	Alagappa university	16/08/2018	Till date
2.	Member of Syndicate	Bharathidasan University	19/07/2018	18/07/2021

### Areas of Research

- Pharmacology and Cancer Biology
- Clinical Ophthalmology

### Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D	2	3
	M.Phil	11	-
Project	PG	38	5

## Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
57	3	2	2	2

**Cumulative Impact Factor (as per JCR)** :41.412

**h-index** : 12

**i10 index** : 18

**Total Citations** : 624

## Ph.D thesis evaluation

**Thesis Evaluated** : 1

**Viva voce Examiner** : 1

## Funded Research Projects

### Ongoing Projects:

S.No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1	RUSA EIR Hub of RUSA 2.0	2023 - 2024		Diversification of dairy farming in rural areas of Tamil Nadu by promoting sustainable value-added products of Polyunsaturated fatty acids from cow milk	1.875

**Completed 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
2	MHRD- RUSA 2.0	2018- 2019		Cytotoxic effects on indigenous cow ark with herbal bioenhancer on hepatocellular carcinoma	4.0
3	MHRD- RUSA 2.0	2022 - 2023			4.31
4	Alagappa University	2021		Mushroom cultivation - waste treatment technology for sustainable and eco-friendly environment project in Dept of AHM,	0.6

**Distinctive Achievements / Awards**

- Outstanding Alumnus Award, 2018 in Shrimati Indira Gandhi College, Bharathidasan University.
- AURF start-up research grant for newly recruited faculty, March 2017, Alagappa University .
- Sarvepalli Radhakrishnan Teacher Award-2021 by Puducherry Institute of Management & Science in collaboration with International Internship University, Nepal.
- PIMS Award-2021 Dr.A.P.J. Abdul Kalam Women Lifetime Award by Puducherry Institute of Management & Science in collaboration with International Internship University, Nepal.

## Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized:

Position	Programme	Duration	Institution
Organizing Member	Training Programme on “Recent Trends in Software Industries. Role of Income Tax and sale Tax in Business.	3rd March, 2016.	Department of Animal Health and Management, Alagappa University
Convenor	World Animal Day Celebration	4th October, 2017	Department of Animal Health and Management, Alagappa University
Organizing Secretary	National Seminar on “1 <sup>st</sup> Two days Indigenous Cow Management and their value added products ICMVAP 2K18	18th – 19th March, 2016	Department of Animal Health and Management, Alagappa University
Co-Organizing Secretary	2 <sup>nd</sup> International Conference on Molecular Physiology, Therapeutics and Experimental Medicine (MP-TEM 2019)	24th and 25th July, 2019	Department of Animal Health and Management, Alagappa University
Organizing Secretary	World Animal Day Celebration	13th October, 2023	Department of Animal Health and Management, Alagappa University
Organizing committee member	International workshop on “Two days training programme on “Business resources of Solid Waste Management through Vermicomposting	14th – 15th March, 2017.	Department of Animal Health and Management, Alagappa University
Organizing committee member	International workshop on “molecular physiology, therapeutics and experimental medicine (MPTM – 2016).	6th -7th September 2016,	Department of Animal Health and Management, Alagappa University

Organizing committee member	International Conference on "Recent Trends in Vaccines and Biomaterials for Animal Health" (RTVBAH 2024)	1st & 2nd February, 2024	Department of Animal Health and Management, Alagappa University
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## Events Participated

Number of Conferences / Seminars / Workshops: **51**

## Membership

### Professional Bodies

Associate International Safety Quality Environment Management Association Since 2016

Life member Indian Science Congress Association. Since 2016

Life member Indian Association of Biomedical Scientists. Since 2016

Member International Society for Infectious Diseases (ISID). Since 2016

### Advisory Board

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
April, 2019	Board of Studies – Zoology, DAHM	Member
April 2022	Board of Studies M.Sc., Biochemistry, Affiliated colleges, Alagappa University	Member
April 2018 onwards	DDE examination, Alagappa University.	University Representative
2018	Village placement, DAHM, Alagappa University.	Coordinator

### Academic Bodies in Other Institutes/ Universities

Year / Period	Name of the BoS / Administrative Committee / Academic Committee	Role
February 2019 - 2025	Board of Studies in JJ College of Arts and Science, Pudukkottai	Member

2019-2012	BDC, Bharathidasan University.	EC Member
2019-2012	IECD, Bhrathidasan University	EC Member
2019	High Power committee, Bharathidasan University	Member
2018-2021	Course affiliation committee, Bharathidasan University	Convenor
2018-2021	Flying Quad, Bharathidasan University	Convenor
2019-2021	DDE Advisory committee, Bharathidasan University	Member
2019-2022	Board of Studies in A.V.V.M. Poondi Pushpam College, Thanjavur.	Member

### Ph.D. Thesis Guided

- No. of PhD Thesis evaluated : 1
- No. of PhD Public Viva Voce Examination conducted : 1

S. No	Name of the Scholar	Title of the Thesis	Year of Completion
1.	S. Thavasuraj	Conjugated Linoleic acid enriched in cow milk inhibits the growth against hepatocellular carcinoma	2024
2.	V. Silambarasan	Identification of urine as potent pheromone source in sow and analysis of estrus-specific volatiles and proteins with their binding efficiency	2021 (Co- Guide)



## List of Research Articles / Recent Publications

S. No	Authors/Title of the paper/Journal	Impact Factor
1	Nithya, V., & Balasubramanian, K. (2008). Evaluation of wound healing activity of Polygonum barbatum Linn in wistar albino rats. Research journal of Biological sciences, 1(1), 14-20	-
2	Nithya, V., Alagendran, S., Archunan, G., Anusha, B., Baskaran,X.,Miller samson, S.,Anusha, R., Orozco-Bonilla, E., & GuevaraGuzman Rosalinda. (2008). Evaluation of amino acids profiles in human saliva using Reverse phase high performance liquid chromatography. International Journal of Biological Technology, 1 (1), 84-89.	-
3	Nithya, V., & Anusha Baskar. (2011). A Preclinical Study on Wound Healing Activity of Lawsonia ulba Linn. Research Journal of Phytochemistry, 5(2), 123-129.	0.2
4	Bhaskar, A., Nithya, V., & Vidhya, V.G. (2011). Phytochemical screening and in vitro antioxidant activities of the ethanolic extract of Hibiscus rosa sinensis L. Annals of Biological Research, 2(5), 653-661.	2.07
5	Nithya, V., Brinda, P., & Anand, K.V. (2011). Wound healing activity of leonotis nepetaefolia R.Br., in wistar albino rats. Asian Journal of Pharmaceutical and Clinical Research, 4(2), 23-26.	-
7	Bhaskar, A., Nithya, V., & Vidhya, V.G. (2011). Phytochemical evaluation by GC-MS and antihyperglycemic activity of Mucuna pruriens on streptozotocin induced diabetes in rats. Journal of Chemical and Pharmaceutical Research, 3(5), 689-696.	-
8	Nithya, V. (2011). Anti-inflammatory activity of Lawsonia ulba Linn., in wistar albino rats. Asian Journal of Science and	0.152

	Technology,4, 001-003	
9	Nithya, V. (2011). A review of pharmacological studies of some medicinal plants as antimicrobial and feed additives. <i>Inventi Rapid: Ethnopharmacology</i> , 2(1).	-
10	Nithya, V. (2011). Antimicrobial activity of medicinal plants. <i>Inventi Rapid: Ethnopharmacology</i> , 2(1).	-
11	Nithya, V. (2011). Nanotechnology applications in drug development. <i>Inventi Rapid: Pharm Tech</i> , 2 (1).	-
12	Nithya, V. (2011). Anti-inflammatory activity of allium sativum linn., in wistar albino rats. <i>Inventi Rapid: Ethnopharmacology</i> , 2(1).	-
13	Nithya, V. (2011). Nanotechnology developments for new drug delivery. <i>Inventi Rapid: Pharm Tech</i> , 2(2).	-
14	Nithya, V. (2011). A review on clinical uses of aloe vera. <i>Inventi Rapid: Pharmacy Practice</i> , 2(2).	-
15	Nithya, V. (2011). Phytochemical studies of lawsonia ulba linn.,-a medicinal plant. <i>Inventi Rapid: Ethnopharmacology</i> , 2(1).	-
16	Nithya, V. (2011). A review on treating sickle cell disease through indian medicinal plants. <i>Inventi Rapid: Ethnopharmacology</i> , 2(2).	-
17	Nithya, V. (2011). A review on probiotics and prebiotics in foods. <i>Inventi Rapid:Nutraceuticals</i> , 2(2).	-
18	Nithya, V. (2011). Evaluation of the wound healing activity of datura metel linn., in wistar albino rats, <i>Inventi Rapid: Planta Activa</i> , 2(1).	-
19	Ravikumar, R., Krishnamoorthy, P., & Nithya, V. (2011). Antidiabetic and antioxidant efficacy of pedalium murex in alloxanized albino rats. <i>Inventi Rapid: Planta Activa</i> , 1(1).	-
20	Bhaskar, A., & Nithya, V. (2012). Evaluation of the wound-healing activity of Hibiscus rosa sinensis L (Malvaceae) in	<b>1.04</b>

	Wistar albino rats. Indian journal of pharmacology, 44 (6), 694-8.	
21	Ravikumar, R., & Baskar, A., Nithya, V., Haripriya, R., & Parkavi, V. (2012). Efficacy of anti-diarrheal activity of <i>Pedaliium murex</i> L., in wistar albino rats. BMC Infectious Diseases, 12 (1), 1-1.	3.7
22	Bhaskar, A., & Nithya, V. (2013). In silico Structural Analysis of 16S rDNA Sequences of Bacteria Isolated from Keratitis Patients. Trends in Bioinformatics, 6 (2), 45-61.	0.2
23	Nithya, V., & Bhaskar, A. (2013). Design 16S rRNA and 18S rRNA universal primers for detect the pathogenicity in keratitis disease using in-silico c++ analysis. Inveni Rapid:Molecular Modeling, 3(1).	
24	Nithya, V., & Bhaskar, A. (2013). 16S AND 18S rRNA gene sequencing of atypical clinical isolated microorganisms identified in keratitis patients. Inveni Impact: Clinical Research, 3(1).	
25	Nithya, V. (2014). Phylogenetic analysis of 16srDNA and 18srDNA sequences of bacteria and fungi from keratitis patients. World Journal of Pharmaceutical Research, 3 (10), 932-941.	
26	Nithya, V. (2014). Phytochemical and wound healing activity of <i>Allium Sativum</i> linn., in wistar albino rats. World Journal of Pharmaceutical Research, 3 (7), 491-498.	
27	Nithya, V., & Bhaskar, A. (2014). A Review of Microbial Keratitis. World Journal of Pharmaceutical Research, 3 (10), 189-201.	
28	Nithya, V. (2015). Evaluation of phytochemicals studies on <i>Coriandrum sativum</i> Linn. World Journal of Pharmaceutical Research, 4 (5), 1465-1471.	
29	Nithya, V. (2015). Evaluation of antidiarrheal activity on <i>Coriandrum sativum</i> Linn. In wistar albino rats. World Journal	

	of Pharmaceutical Research, 4, 638-43.	
<b>30</b>	Nithya. V. (2018). Bioactive Compound Analysis of Coriandrum Sativum L against Microbial Keratitis. Ophthalmology. Breakthroughs in Research and Practice, 268-282.	
<b>31</b>	Hongru Zhang, Joe Antony Jacob, Ziyu Jiang, Senlei Xu, Ke Sun, Zehao Zhong, Nithya, V., & Achiraman Shanmugam. (2019). Hepatoprotective effect of silver nanoparticles synthesized using aqueous leaf extract of Rhizophora apiculata. International journal of nanomedicine, 14, 3517.	<b>8.1</b>
<b>32</b>	Nithya, V. (2019). SubmitoLoc Identification of mitochondrial sub cellular locations of proteins using support vector machine, Bioinformatics 15 (12), 863-868.	<b>0.2</b>
<b>33</b>	Silambarasan, V., Gayathiri, S., Deepalakshmi, G., Shahitha Banu, M., Nithya, V., & Archunan, G. (2019). Cloning and sequencing of $\alpha$ -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), 433-438.	<b>1.476</b>
<b>34</b>	Vinotha, M., Thavasuraj, S., Chinniah, S., & Nithya, V. (2020). Antimicrobial, Antibiofilm and Antioxidant Effects of Medicinal Plants Extract with Indigenous Cow Ark Against Human Pathogens. International Journal of Advanced Science and Technology, 29 (3), 569-583.	
<b>35</b>	Thavasuraj, S., & Nithya. V. (2020). Evaluation on efficacy of fatty acids and conjugated linoleic acid [CLA] derived from indigenous cow milk against hepato cellular carcinoma : A key and novel approach. Biochemical and cellular archives, 20 (2), 3253-3257.	<b>0.17</b>
<b>36</b>	Thavasuraj, S., Nithya, V., Vinotha, M., Chinniah, S., & Archunan, G. (2020). Assessment of dosage response of cow milk fat isomers against hepatocellular carcinoma cell lines: a	<b>0.17</b>

	key to novel approach for anticancer. Biochemical and cellular archives, 20 (2), 3223-3227.	
37	Nithya, V. (2020). Evaluating the antioxidant and lipid peroxidation efficacy of <i>Celosia spicata</i> with Cow ark in diethyl nitrosamine induced experimental hepatocellular carcinogenesis. <i>Adalya journal</i> , 9 (3), 1-30.	
38	Nithya, V., & Thavasuraj, S. (2020). Effect of Indigenous cow ark with <i>Plectranthus amboinicus</i> for anticancer activity – In vitro. <i>Gedrag &amp; Organisatie Review</i> , 33 (3), 705-711.	
39	Pugalethi, G., Nithya, V., Chou, K.C., & Archunan, G. (2020). Nglyc: A random forest method for prediction of N-Glycosylation sites in eukaryotic protein sequence, <i>Protein and Peptide Letters</i> , 27 (3), 178-186.	1.63
40	Balu Krishnakumar, Ravikumar, S., Pandiyan, V., Nithya, V., Sylvestre, S., Sivakumar, P., Surya, C., Agnel, Arul John, N., & Abilio JFN Sobral. (2020). Synthesis, characterization of porphyrin and CdS modified spherical shaped SiO <sub>2</sub> for Reactive Red 120 degradation under direct sunlight. <i>Journal of Molecular Structure</i> , 1210, 128021.	3.8
41	Nithya, V. (2021). Indigenous Cow Ark with <i>Allium Sativum</i> -A Key To Therapeutic And An Effective Antioxidant To Hepatocellular Carcinoma. <i>International Journal of Aquatic Science</i> , 12 (2), 1631-1644.	
42	Nithya, V. (2021). In vitro antibacterial, antioxidant and time-kill kinetics of cow ark with <i>Plectranthus Amboinicus</i> extract against human pathogens. <i>International Journal of Aquatic Science</i> , 12 (1), 314-321.	
43	Ravikumar, S., Pandiyan, V., Manawwer Alam, Naushad Ahmad, Nithya, V., Balu Krishnakumar, & Abilio.J.F.N. Sobral. (2021). <i>Costus speciosus</i> koen leaf extract assisted csznx (X= O or S) nanomaterials: Synthesis, characterization and photocatalytic degradation of rr 120 dye under uv and	3.8

	direct sunlight. Journal of Molecular Structure 1225, 129176.	
44	Nithya, V. (2014). Evaluation of Antidiarrheal Activity on <i>Allium sativum</i> Linn. In Albino Rats. <i>Inventi Rapid: Ethnopharmacology</i> , 2.	
45	Nithya, V., Anusha, B., & Muhammad Ilyas, M.H. (2014). Antimicrobial activity of certain antibiotics on the microbial isolates of keratitis patient. <i>World Journal of Pharmaceutical Research</i> , 3(10), 1226-1234.	
46	Vinotha, M., & Nithya, V. (2021). Evaluation of cow ark enhanced <i>Plectranthus Amboinicus</i> for the potential of antioxidant, antimicrobial, and larvicide potentials – in vitro. <i>International Journal of Aquatic Science</i> , 12(2), 1840-1848.	
47	Nithya, V. (2021). Cow ark mediated silver nanoparticles synthesis and its anticancer efficacy -an intervention. <i>Annals of the Romanian Society for Cell Biology</i> , 25 (4),19386-19394.	0.2
48	Vinotha, M., & Nithya, V. (2021). Evaluation of anticancer activity of <i>Plectranthus Amboinicus</i> with Cow ark against CCl4 Induced Hepatocellular carcinoma - In Vivo. <i>Annals of the Romanian Society for Cell Biology</i> , 25 (4),19406- 19414.	0.2
49	Vinotha, M., & Nithya, V. (2021). Potential hepatoprotective of cow ark with <i>Plectranthus Amboinicus</i> against changes in the level of CCL4-induced liver intoxication and antioxidant enzymes. <i>Annals of the Romanian Society for Cell Biology</i> , 25 (4) 19415- 19422.	0.2
50	Thavasuraj, S., & Nithya, V. (2021). In vitro anticancer potential of <i>Anisomeles malabarica</i> against cervical cancer cells. <i>Annals of the Romanian Society for Cell Biology</i> , 25 (4) 19423- 19428.	0.2
51	Nithya, V. (2021). An analytical intervention of <i>Plectranthus Amboinicus</i> extracted from cow ark attenuating liver enzymes activities and Alpha fetoprotein level in CCL4 induced	0.2

	Hepatocellular Carcinoma. <i>Annals of the Romanian Society for Cell Biology</i> , 25(4), 19395-19405.	
52	Silambarasan, V., Deepalakshmi, G., Sankarganesh, D., Nithya, V., & Archunan, G. (2019). Identification of potential pheromone source in sows. <i>Behavioural Processes</i> 168;103940.	1.3
53	Elakkiya, R., Thavasuraj, S., Kamalaveni, J., Ananthaselvi, R., Nithya V5 , Faritha Begam H. (2021). A Review On Therapeutic Potentials Of Plant Based Nanocomposites For Diabetes Mellitus. <i>International Journal of Aquatic Science</i> , 12(2), 5092-5105.	
54	Thavasuraj, S., & Nithya, V. (2021). Conjugated linoleic acid from <i>Bos Indicus</i> cow milk attenuating liver enzymes activities and Alpha fetoprotein level in Hepatocellular Carcinoma. <i>Natural Volatiles &amp; Essential Oils Journal</i> , 11895-11905.	
55	Ramachandran, R., Vinothkumar, A., Sankarganesh, D., Suriyakalaa, U., Aathmanathan, V.S., Kamalakkannan, S., Nithya, V., Angayarkanni, J., Archunan. G., Akbarsha, M.A., & Achiraman, S. (2020). Detection of estrous biomarkers in the body exudates of Kangayam cattle ( <i>Bos indicus</i> ) from interplay of hormones and behavioral expressions. <i>Domestic animal endocrinology</i> , 72, 106392.	2.1
56	Dharani, S., Nithya, V., Indumathy, R., & Kalaiarasi, G. (2023). Transition Metal Catalyst Free and Single-Step Synthesis of Significant Thiosemicarbazones via Oxidative Coupling Strategy. <i>ChemistrySelect</i> , 8(36), e202302722.	2.307
57	Ramanathan, Elakkiya, Kumar Ponnuchamy, Govarathanan Muthusamy, Nithya Varatharajan, Durgadevi Sabapathi, and Anitha Selvaraj. "Chitosan-stabilized platinum nanoparticles	3.869

	induce apoptotic cell death in breast cancer cells." Applied Nanoscience 13, no. 6 (2023): 3867-3873.	
58	Nithya, V., Sangavi, P., Srinithi, R., Nachammai, K. T., Gowtham Kumar, S., Prabu, D., & Langeswaran, K. (2023). Diabetes and other comorbidities: Microvascular and macrovascular diseases diabetes and cancer. In Advances in Diabetes Research and Management (pp. 21-39). Singapore: Springer Nature Singapore.	-
60	Vinotha, M., & Nithya, V. (2022). Assessment Of Alpha-Fetoprotein Level After Treatment With Plectranthus Amboinicus Extract In Wister Albino Rats Induced By Carbon Tetra-Chloride. Journal of Pharmaceutical Negative Results, 13(3), 1114-1123.	0.128
61.	Chinniah, Sethuraman, et al. "Evaluation of antioxidant, anticancer, antibacterial and antibiofilm potency of panchagavya–A traditional medicine." Biocatalysis and Agricultural Biotechnology (2024): 103153.	4.0

### Resource persons in various capacities

National Conferences : 5  
International Conferences : 10  
Invited Lectures : 30

Name : **Dr. V.Nithya**

Designation : **Assistant Professor**