

Name : Dr. S. S. Sudha

Designation : Professor & Coordinator CDC

Department : Microbiology

Qualification : M.Sc., Ph.D., M.B.A., PGDBI.

Experience : Teaching: 21 Years 5 Months

Area of Specialization(s) : Environmental Biotechnology & Medical Microbiology

Email (Official ID) : drsudha@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
M.B.A	Hospital Management	Bharathiar University	2010
Ph. D	Microbiology	Bharathidasan University	2006
M.Sc.	Microbiology	University of Madras	1999
B.Sc.	Microbiology	University of Madras	1992

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
PGDBI	Bioinformatics	Bharathidasan University	2007
Online Certificate Course	Accreditation and outcome based Learning	NPTEL Online Certification	2019

Grants Received

Event Title	Agency	Amount	Date
National symposium on infectious disease	ICMR	25,000	08- Aug-08 & 09- Aug-08

National symposium on antimicrobial resistant and drug discovery.	ICMR, CSIR	75,000/-	09-Sep-09 & 10-Sep-09
Communicable disease and its control measures	ICMR,CSIR, DRDO	90,000/-	04- Aug-10 & 05- Aug-10
Pasteur Symposium on Biopharmaceuticals – their Applications in disease prevention and health promotion	ICMR, CSIR, DRDO & DST	25,000/- 35,000/- 30,000/- 30,000/-	04- Aug-11 & 05- Aug-11
International symposium on harnessing microbes for human welfare	ICMR,DBT	25,000/-, 30,000/- 1,00,000/-	07- Aug-12 & 08- Aug-12
Pasteur Symposium on Momentous microbes from menace to marvel	DBT	25,000/-	20-Aug-14
Transitional and Translational scenarios in biological sciences. (3Is)	ICMR, DBT	40,000/-, 50,000/-	09-Sep-16 & 10-Sep-16

Projects

Completed

Project Title	Agency	Amount	Duration
Investigation on crude and bioactive compounds form marine microalgae for preventing coronary heart disease	UGC	Rs. 10,23,700/-	1-Feb-10 to 31-Jan-13
Leptospirosis management and rapid diagnosis	Tamilnadu State Council for Science and Technology	Rs. 6,000/-	2009 (4 Months)
Leptospirosis Management and its control	Tamilnadu State Council for Science and Technology	Rs. 30,000/-	
Cervical cancer and its control for cotton mill women workers of	Tamilnadu State Council for Science and Technology	Rs. 1,00,000/-	17-Apr-14 to

Coimbatore district			30-Jul-14
National Environmental Awareness Project	Ministry of Environmental and Forest (PEACE Trust)	Rs. 8000/-	Jan-08 to Mar-08
Awareness and Prevention of High risk behavior Among Youth	Rajiv Gandhi National Institute of youth development	Rs. 1,50,000/-	2016 (2 Days Programme)
Awareness of Zika viral infection among rural people in and around Coimbatore	2016-17 Students project Scheme	10,000/-	2016-17 Students project Scheme

On-going

Project Title	Agency	Amount	Duration
DBT Star College Scheme for four Departments	Department of Biotechnology	Rs. 84,00,000	2018 to till date

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	7	7
M. Phil.	10	-

Research Publications (Indexed)

International

- Nisha S Panicker, S. S. Sudha, **Isolation, Screening and effect of different parameters on protease production by Halophiles isolated from saltpan samples of Tuticorin district**, International Journal of Universal Pharmacy and Biosciences, Vol. 3 Issue 1, pp. 58-66, January 2014, ISSN: 2319-8141.
- Vimalin Hena, S. S. Sudha, **RFLP analysis of clinical MRSA isolates**, International Journal of Pharma and Bio Sciences. Vol. 2 Issue 1, pp. 637 – 645, January 2011, ISSN: 0975-6299.

- Karthic Rajamanickam, Sinagaram Sivasubramaniam Sudha, ***In-vitro* antimicrobial activity and *In-vivotoxicity* of *Moringaoleifera* and *Allamandacathartica* against multiple drug resistant clinical pathogens**, International Journal of Pharma and Bio Sciences, Vol. 4, Issue 1, pp 768-775, January 2013, ISSN: 0975-6299.
- J. Vimalin Hena, S. S. Sudha, **Characterisation of Staphylococci by peptide mass fingerprinting**, International journal of pharma and bioscience, Vol. 2, Issue 4, pp. 269-274, October 2011, ISSN: 0975- 6299.
- K. Bharathi Bai, S. S. Sudha, **Isolation, production, Screening and Characterization of Bacteriocin (MRSAcin) activity against Methicillin resistance staphylococcus aureus (MRSA)**, International Journal of Scientific Development and Research (IJS DR), Vol. 4, Issue 5, pp. 561-567, May 2019, ISSN: 2455-2631.
- N. Vijayalakshmi, S. S. Sudha, **A report on antimicrobial activity of Actinomycete, Streptomyces S12c Species**, Int. J. of Genetic Eng. and Biotechnology, Vol. 2, Issue 3, pp. 225-231, 2011, ISSN: 0974- 3073.
- Nisha S Panicker, S. S. Sudha, **Isolation and screening of Halophiles producing Halocin from different samples**, International Journal of Applied Biotechnology and Biochemistry, Vol. 4, pp. 423-426, 2011, ISSN: 2248-9886.
- Vidhya Natarajan, Sudha Sivasubramanian Singaram, **Prevalence of BLA_{TEM} Gene in uropathogenic *Escherichia coli* isolated from tertiary care hospitals in Coimbatore, South India**, International Journal of Pharmacy and Pharmaceutical Sciences, Vol. 5, Issue 3, pp. 194-197, 2013, ISSN: 0975-1491.
- N. Vidhya, S. S. Sudha, **Prevalence of BLA CTX – M extended spectrum Beta Lactamase gene in Uropathogenic *Escherichia coli*.**, World Journal of Pharmacy and Pharmaceutical Sciences, Vol. 2, Issue 6, pp. 6548-6558, 2013, ISSN: 2278-4357.
- S. Senthil Prabhu, S. S. Sudha, **Evaluation of the antibacterial of some lichens species against human pathogens**, Int. J. Adv. R. Biol. Sci., Vol. 2, Issue 4, pp. 177-181, 2015, ISSN: 2348-8069.

- Vidhya Natarajan, SudhaSivasubramanianSingaram, **Prevalence of bla_{TEM}-SHV gene in uropathogenic *Escherichia coli* isolated from tertiary care hospitals in Coimbatore, South India**, Scrutiny International Journal of Microbiology and Biotechnology, Vol. 2, Issue 1, pp. 19-24, 2014, ISSN: 2349-0101.
- Thirumangai, S. S. Sudha, R.Karthic and J.Devakumar, **In vitro evaluation of silver nanoparticles synthesized from actinomycetes isolated from Noyal river basin**, Scrutiny International Journal of Microbiology and Biotechnology, Vol. 2, Issue 6, pp. 7-15, 2015, ISSN: 2349-0101.
- Sasikala C, S. S. Sudha, **Phycoremediation of textile dyeing effluents with algal species from aquatic origin**, Scrutiny International Journal of Microbiology and Biotechnology, Vol. 2, Issue 1, pp. 7-18, 2015, ISSN: 2349-0101.
- S. Senthil Prabhu, S. S. Sudha, **In vitro study on Anthelmintic activity of Heterodermiaborymacrolichen collected from the Nilgiris, Tamilnadu, India**, International Journal of Current Microbiology and Applied Sciences, Vol. 5, Issue 9, pp. 764-768, 2016, ISSN: 2319-7706.
- J. Devakumar, S. S. Sudha, V. Keerthana, **Identification of Bioactive Compounds by Gas chromatography-Mass Spectrometry analysis of *Syzygium jambos*(L.) collected from western ghats region Coimbatore, Tamilnadu**, Asian Journal of Pharmaceutical and Clinical Research
- Vol. 10, Issue 1, pp. 364-369, 2017, ISSN: 0974-2441.
- J. Devakumar, S. S. Sudha, **In vitro Phytochemical, Antioxidant and Cytotoxic Evaluation of *Syzygium jambos*L. (Alston)**, Journal of Pharmacy Research, Vol. 11, Issue 3, pp. 235-238, 2017,
- ISSN: 0974-6943.
- J. Devakumar, S. S. Sudha, **In vivo antiplasmodial evaluation of *syzygiumjambos*L. Alston by four day suppressive test**, Drug Invention Today, Vol. 9, Issue 2, pp. 19-23, 2017, ISSN: 0975-7619.
- Sudha S S, Rajamanickam K, Rengaramanujam J, **Microalgae mediated synthesis of silver nanoparticles and their antibacterial activity against pathogenic bacteria**, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy. Vol. 113, pp. 10-14, 2013, ISSN: 1386-1425.

- S. S. Sudha, A. Panneerselvam, N. Tajuddin, **Antagonistic Potential of some Mangrove Soil Fungi against *Fusarium moniliforme* and *Rhizoctonia solani***, J. Microb. World, Vol. 7, Issue 2, pp. 140-143, 2005, ISSN: 2141-5032.
- S. S. Sudha, A. Panneerselvam, N. Tajuddin, **Antagonistic Potentials of Mangrove Soil Fungi against plant pathogens**, Indian Journal of Applied Microbiology, Vol. 6, Issue 1, pp. 61-65, 2006, ISSN: 2249-8400.
- S. S. Sudha, A. Panneerselvam, N. Tajuddin, **Antagonistic effect of some mangal soil fungi against *Colletotrichum falcatum* Went. and *Curvularia pallescens* (Walker)**, Boedijn (Geobios), Vol. 32, 288- 290, 2005, ISSN: 0016-6995.
- S. S. Sudha, A. Panneerselvam and N. Tajuddin, **Seasonal variation of cyanobacteria at Muthupet mangrove environs, Tamilnadu, South India**, Seaweed Research Utilization, Vol. 29, Issue 1&2, pp. 263-271, 2007, ISSN: 0971-7560
- S. S. Sudha, A. Panneerselvam and N. Tajuddin, **Antagonistic interaction of some Mangrove Soil Fungi against plant pathogens - *Curvularia lunata* and *Drechslera aellisii***, J. Sci. Trans. Environ. Technov, Vol. 1, Issue 3, pp. 154-157, 2008, ISSN: 0973-9157.
- S. S. Sudha, **Marine Environment: A Potential Source for L-Asparaginase Producing Microorganism**, The ICFAI University Journal of Biotechnology, Vol. 3, Issue 4, pp. 57-62, 2009, ISSN:0973-8495.
- Sudha S.S, Uma P, Dona J. Sijini, **Effect of fungicides and plant pesticides on the growth of biocontrol agent *Trichoderma harzianum***, Res. J. Biol. Sci., Vol. 1, Issue 3, pp. 144-147, 2009, ISSN: 1815-8846.
- S. S. Sudha, Parvathy A, Sreemol, Viji Maria, **Antimicrobial Potential of Leaves and Flowers used in worshipping God**, The Antiseptic Journal of Medicine and Surgery, Vol. 106, Issue 9, pp. 458-460, 2009, ISSN: 0003-5998.
- S. S. Sudha, Parvathy A, **A study on Screening for L-Asparaginase Producing Microorganism from Beach soil**, Research Journal of Biological Science, Vol. 2, Issue 1, pp. 50-54, 2010, ISSN: 1815-8846.

- S.S.Sudha, C.N.Murugalakshmi, **A Novel Approach to Intrude Secondary Metabolites of *Pseudomonas fluorescens***, The ICFAI University Journal of Biotechnology, Vol. 4, Issue 2, pp. 24-28, 2010, ISSN: 0973-8495.
- S.S.Sudha, JencyRoopa T., Ramya G, **Green Nano Silver- Deadly to microorganisms**, The Antiseptic- A Monthly Journal Of Medicine And Surgery, Vol. 107, Issue 7, pp. 354-357, 2010, ISSN: 0003-5998.
- S.S.Sudha, J.VimalinHena, **Studies on Community acquired MRSA & its treatment Regimen**, Indian Journal of Applied and Pure Biology, Vol. 2, Issue 1, pp. 637-645, 2011, ISSN: 0970-2091.
- S. S. Sudha, R.Karthic, Mebinfrancis, Sowmi and J.Rengaramanujam, **Isolation and preliminary characterization of associated microorganisms from Spirulina product and their silver mediated nanoparticle synthesis**, journal of algal biomass utilization, Vol. 2, Issue 3, pp. 1-8, 2011, ISSN: 2229- 6905.
- S. S. Sudha, R. Karthic, Naveen, J. Rengaramanujam, **Anti hyperlipidemic activity of *Spirulinaplatisin* Triton x-100 induced hyperlipidemic rats**, Hygeia: Journal For Drugs and Medicines, Vol. 2, Issue 3, pp. 32-37, 2011, ISSN: 0975 6221.
- S. S. Sudha, R. Karthic, J. Rengaramanujam and Athulya, **Antimicrobial activity of *Spirulinaplatisin* and *Aphanothece sp.* on selected clinical bacterial isolates and its Antioxidant activity**, South As. J. Biol. Sci., Vol. 1, Issue 2, pp. 87-98, 2011, ISSN: 2454-8510.
- S. S. Sudha, S. Vethavalli, **In vitro and in silico studies on biocontrol agent of bacterial strains against *Fusariumoxysporum f. sp. Lycopersici***, Research in Biotechnology, Vol. 3, Issue 2, pp. 22-31,2012, ISSN: 2229-791X.
- C. N. Murugalakshmi, S. S. Sudha, **Growth and Siderophore Production by florescence *Pseudomonas***, Asian Journal of Microbiology Biotechnology and Environmental Science, Vol. 1, pp. 133-138, 2010, ISSN: 0972-3005.

- R. Vijayakumar, S.S. Sudha, A. Pannerselvam, T. Thaajuddin, **A comparative study on cultivation and nutritional status of Oyster Mushroom *Pleurotusostreatus* on different substrates**, J. Sci. Trans. Environ. Technov. Vol. 1, Issue 4, pp. 209-212, 2008, ISSN: 0973-9157.
- Amsaveni V, S.S.Sudha, **Antibacterial Activity of different plant Extracts on *Pseudomonas aeruginosa***, Asian Journal of Microbiology Biotechnology and Environmental Science, Vol. 11, Issue 4, pp. 947-949, 2009, ISSN: 0972-3005.
- Vimalin J, S. S. Sudha, D. Padmanabhan, A. Asarudeen, P. Ayyappan, **Isolation & Characterization of community acquired Methicillin Resistant *Staphylococcus aureus* in school going children**, Res J Biol Sci., Vol. 1, Issue 3, pp. 153-56, 2009, ISSN: 1815-8846.
- S. Kalaivani, A. Mahalakshmi Priya, S. S. Sudha and S. Balasubramaniyan, **Phycoremediation of sewage using Microalgae *Chlorella* sp.**, Nature Environment and Pollution Technology, Vol. 8, Issue 1, pp. 187-192, 2009, ISSN: 0972-6268.
- Uma P, S. S. Sudha, **Biodecolorization of textile Reactive Dyes using *Trametes hirsute***, Research Journal of Biological Science, Vol. 1, Issue 1, pp. 30-38, 2009, ISSN: 1815-8846.
- Parvathy Ashok, S. S. Sudha, **Effectivity of the decolorization of crystal violet by various fungi, with special reference to the white rot fungus, *Trametes hirsuta***, Bioscience Biotechnology Research Communication, Vol. 2, Issue 2, pp. 183-187, 2009, ISSN: 0974-6455.
- Vimalin Hena J, S. S. Sudha, Kavitha S, Padmanabhan D, Asarudeen A, **Herbal Handkerchief as an Remedy for Community Acquired Methicillin Resistant *Staphylococcus aureus***, The Antiseptic Journal of Medicine and Surgery, Vol. 1, Issue 6, pp. 557-559, 2009, ISSN: 0003-5998.
- Vimalin J, S. S. Sudha, D. Padmanaban, A. Asarudeen, Ayyapan P and G. Arun Kumar, **Isolation, Screening and Characterisation of “Staphylococcin” of CAMR *Staphylococcus aureus***, Research Journal of Biological Science, Vol. 2, Issue 1, pp. 14-19, 2010, ISSN: 1815-8846.
- Amsaveni V, S. S. Sudha, **Phytochemical studies of Antibacterials for multi-Drug Resistant Nosocomial Pathogen *Pseudomonas aeruginosa***, The ICFAI University Journal of Biotechnology, Vol. 4, Issue 1, pp. 32-41, 2010, ISSN: 0973-8495.

- Amsaveni V, S. S. Sudha, **Antimicrobial activity of *lawsoniainnermis*Linn on Urinary Pathogens**, Scientific Transactions in Environment and Technovation, Vol. 4, Issue 1, pp. 43-45, 2010, ISSN: 0973-9157.
- Amsaveni. V, Sudha S. S, **Prevalence of multidrug resistant *Pseudomonas aeruginosa* in hospital wards**, Asian Journal of Microbiology Biotechnology and Environmental Science, Vol. 12, Issue 4, pp.759-763, 2010, ISSN: 0972-3005.
- Vimalin Hena J, S. S. Sudha, **Immuno-Toxicology studies of Staphylococci of CAMRSA**, Journal of Advanced Laboratory Research in Biology, Vol. 1, Issue 2, pp. 132-135, 2010, ISSN: 0976-7614.
- N. Vijayalakshmi, S. S. Sudha, **A report on antimicrobial activity of Actinomycete, *Streptomyces S12c* Species**, Int. J. of Genetic Eng. and Biotechnology, Vol. 2, Issue 3, pp. 225-231, 2011, ISSN: 0974 – 3073.
- Nisha S Panicker, S. S. Sudha, **Isolation and screening of protease enzyme producing halophiles from different samples**, J. Ecobiol, Vol. 28, Issue 4, pp. 359-362, 2011, ISSN: 0970-9037.
- N. Vijayalakshmi, S. S. Sudha, **Antimicrobial activity of selected Actinomycetes from soil samples**, J.Ecobiol. Vol. 28, Issue 4, pp. 353-357, 2011, ISSN: 0970-9037.
- Vimalin Hena J, S. S. Sudha, **Studies of community acquired MRSA (*Methicillin Resistant Staphylococcus aureus*) and its treatment regimen**, Indian Journal of Applied and Pure Biology, Vol. 26, Issue 1, pp. 63-66, 2011, ISSN: 0970-2091.
- Vimalin Hena J, S. S. Sudha and Ngangom Ronibala, **X-Ray Diffraction Studies of Staphylococci for Noval Drug**, Journal of Experimental Sciences, Vol. 2, Issue 2, pp. 68-71, 2011, ISSN: 2218-1768.
- Nisha S Panicker, S. S. Sudha, **Isolation and Screening of protease enzyme producing Halophiles from different sample**, Journal of Eco-biology, Vol. 28, Issue 4, pp. 359-362, 2011, ISSN: 0970-9037.

- Anitha, S. S. Sudha, **Screening the potential strains of Actinomycetes from Western Ghats of Nilgiri district for the production of antibiotics to alleviate the resistance problem of newly emerging microbes**, SIRJ-MBT, Vol. 1, Issue 4, pp. 15-21, 2014, ISSN: 2349-0101.
- Devakumar. J, Sudha. S. S, **Invitroevaluation of phytochemical, antioxidant and antibacterial activityof Argemonemexicanaleaf extract**, SIRJ-MBT, Vol. 1, Issue 4, pp. 7-14, 2014, ISSN: 2349-0101.
- Nisha Jaysanka, Dr. S. S. Sudha, **Bioprospecting of Halophilicprotease producers from marine nicheand its characterisation and optimization**, SIRJ-MBT, Vol. 1 Issue 4 , pp. 22-30, 2014, ISSN: 2349-0101.
- Priscilla Helen Christy S, Sudha S.S, **A study on the potential of entophytic bacteria as biocontrolagent**, SIRJ-BES, Vol. 1, Issue 10, pp. 7-12, 2014, ISSN: 2348-5787.
- Keerthana Veeramani, Devakumar Joseph and Sudha Sivasubramaniam, **Inhibition of fungal mycelia growth and spore germination by *Couroupitaguianensis* leaf extracts and its preliminary phytochemical analysis**, Indian Journal of Applied Microbiology, Vol. 20, Issue 1, pp. 21-30, 2017, ISSN: 2249-8400.
- K. Bharathi Bai, S. S. Sudha, **Production, Purification & Analysis of Enterotoxins from HA-MRSA Isolated from Clinical Samples**, Helix the Scientific Explorer. Vol. 8, Issue 6, pp. 4717-4721, 2018, ISSN: 2277-3495.
- S.S.Sudha, Devakumar, **Synthesis and Characterization of Silver Nanoparticle From Couroupita Guianensis Leaf Extract and its Effect on Clinical Pathogens**, ISSN- 0974-2441 Vol 13, Issue 10, 2020
- Vikraman Kalidoss, Gayathiri Govindharaju, Sudha S.S, Srinivas Ramakrinan, Balakrishnan Rajaiah, **Microbiome and Microbiota – An Influencer Early in the Life**, IOSR, Journal of Pharmacy and Biological Sciences(IOSR, IPBS), Volume 16, Issue 4 Ser. I(Jul.-Aug. 2021), PP 26-34.

Nature of Consultancy	Client	Amount	Completion Status
Enumeration of Microbes from soil samples	Dr.N.G.P.ASC	Rs. 6,000	Completed
Practical Demonstration	P.S.G.R.Krishnammal College for Women	Rs.18,500	Completed
Practical Demonstration	P.S.G.R.Krishnammal College for Women	Rs.19,000	Completed
Practical Demonstration	JSS Institute of Naturopathy and Yogic Sciences	Rs.10,000	Completed

Participation in Conference

International

- Comparative study on the Biodiversity of Cyanobacteria (Blue – Green algae) from freshwater and marine Environments of South India, Biology in Asia International Conference, Singapore, 7-Dec-04 to 10-Dec-04.
- An investigation on antimicrobial activity of *Leucas aspera* against Bovine pathogens, ISHM 12, Dr. N. G. P. Arts and Science College, Coimbatore, August 2012.
- Isolation and identification of Alkaline protease produced *Bacillus subtilis* and Physio-chemical characterization of the enzyme production, ISHM 12, Dr. N. G. P. Arts and Science College, Coimbatore, August 2012.
- Decolorization of Congo red, Malachite green and Methylene blue by the Actinomycetes isolated from sludge areas, ISHM 12, Dr. N. G. P. Arts and Science College, Coimbatore, August 2012.
- Isolation and identification of Bacteriocin producing *Bacillus subtilis*, ISHM 12, Dr. N. G. P. Arts and Science College, Coimbatore, August 2012.
- **National**
- In vivo antiplasmodial activity of *Syzygium jambso* from Western Ghats, Coimbatore, 15th IAAM, Vivekanadha College of Arts and Science for Women, Namakkal, September 2017.

- In silico evaluation of Antimalarial agent from Syzygium jambos inhibitors of plasmodium falciparum lactate dehydrogenase (PFLDH) enzyme, 10th NABS proceedings, Dr. N. G. P. Arts and Science College, Coimbatore, 7-Sep-17 & 8-Sep-17.
- In vivo early malarial parasite suppression activity of Syzygium jambos from Western Ghats region, Coimbatore, 14th IAAM proceedings, Dr. N. G. P. Arts and Science College, Coimbatore, 9-Sep-16 & 10-Sep-16.
- Antibacterial activity and Mycelial growth inhibition of three different plants, 14th IAAM proceedings, Dr. N. G. P. Arts and Science College, Coimbatore, September 2016.

Participation in Seminars

- International conference on Nanaoscience and Nanotechnology (ICONN, 2019) at SRM Institute of Science and Technology, Kattankulathur, 28-Jan-2019 to 30-Jan-2019.
- National Conference on "Environmental Microbiology" of the Indian Association of Applied Microbiologists (IAAM), at Kalasalingam Academy of Research and Education, Krishnankoil, 27-Nov-2019 to 30-Nov-2019.

Participation in Workshop

- NAAC sponsored workshop on "Outcome Based Education", P.S.G.R Krishnammal College for Women, Coimbatore, 15-Dec-2016 & 16-Dec-16.
- Participated International workshop on IWCWA, National College, Trichy, 22-Sep-15 to 24-Sep-15.
- Participated in One day Hands-on Workshop on SPSS, Dr. N. G. P Arts and Science College, Coimbatore, 13-Mar-10.
- Two days Workshop on Molecular Techniques, Dr. N. G. P Arts and Science College, Coimbatore, 7-Feb-11 & 8-Feb-11.
- Workshop on Basic Science Courses, Bharathiar University, Coimbatore, 12-Jul-08. Workshop on DNA Products, Bishop Heber College, Trichy, 8-Sep-05 & 9-Sep-05.
- Participated in Workshop on "Academic Performance Indicators", UGC Academic College, Bharathiar University, Coimbatore, 23-Jan-12, to 25-Jan-12.

- Two days Workshop on Medical laboratory technology, Seahorse Hospital Ltd., Trichy, 15-Jul-2000 & 16-Jul-2000.
- Two Day State level Workshop on Outcome Based Education, Association of Self-Financing Arts, Science & Management Colleges of Tamil Nadu, 27-Jul-18 & 28-Jul-18.
- Participated in International Conference on Nanoscience and Nanotechnology, SRM University, Chennai, 28-Jan-19 to 30-Jan-19.

• Participation in Orientation Programme / Short Term Courses

Title of the Orientation, organizer name, venue, date.

- UGC Sponsored Orientation Course conducted by Academic Staff College, Bharathidasan University, Coimbatore, 9-Nov-05 to 6-Dec-05.
- Campus Culture at NGP, Dr. N. G. P Arts and Science College, Coimbatore, Kambar Arangam, 2014. Win-Win situation, Dr. N. G. P Arts and Science College, Coimbatore, Kambar Arangam, 2015.
- Teacher is a motivator, Dr. N. G. P Arts and Science College, Coimbatore, Library Hall, 2016.
- Can Technology replace a teacher, Dr. N. G. P Arts and Science College, Coimbatore, Library Hall, 2017.

Participation in Faculty Development Programme

- Five days national Faculty Development Programme on Innovative Teaching and Research in Science: Exploring the new Horizons, Government First Grade College, Vijayanagar, Karnataka 10.07.2021 to 15.07.2021.
- Seven days online Faculty Development Programme on Research Methodology and pedagogy for Tertiary Education, Dr. N. G. P Arts and Science College, 15.07.2021 to 21.07.2021.
- Faculty Development Programme on Evolution and Relative Gradient, PSG College Technology, Coimbatore, 28-Dec-13.
- One Day **Faculty Development Programme** on Reinventing Classroom Dynamics-Towards Enhancing Learner Autonomy, Dr. N. G. P Arts And Science College, Coimbatore, 22-Jul-11.

- Faculty Development Programme, Bharathidasan University, Trichy, 9-Nov-05 to 6-Dec-05.
- Faculty Development Programme, Dr. N.G.P Arts and Science College, Coimbatore, 5-Dec-08.
- Faculty Development Programme, Dr. N.G.P Arts and Science College, Coimbatore, 9-Jan-09.
- Faculty Development Programme, Dr. N.G.P Arts and Science College, Coimbatore, 6-Feb-09.

Conference / Seminar / Workshop Organized

- Co Author for the paper entitled “Biosynthesis of silver nanoparticles from Spirulina- associated bacteria and its antibacterial property against human pathogens” in ABSD 2012 International Conference at Colombo in Sri Lanka.
- Co Author for the paper entitled “Antimicrobial activity of selected cyanobacteria against clinical pathogens and their phytonutrients” in ABSD 2012 International Conference at Colombo in Sri Lanka.

Invited Speaker / Session Chair- Conference / Seminar / Workshop

- Resource Person, Judging projects presented on National Children's Science Congress by Coimbatore district school students, GRD College, Coimbatore, 12-Nov-08.
- Resource Person, Presented a paper on “Sustainability of water resources and water related issues”, Dr N. G. P. College of Education, Coimbatore, 5-Dec-11.
- Resource Person, Inspection Commission for intake of M.Phil & Ph.D., and Committee member in staff selection process, PSG CAS, Coimbatore, 2008.
- Resource Person, Inspection Commission for intake of M.Phil & Ph.D., Committee member in staff selection process, Karpagam Arts & Science College, Coimbatore, 2008.
- Resource Person, Subject expert in the panel of committee member for selection of Project Fellow selection sponsored by UGC, RVS CAS, Coimbatore, 2009.
- Resource Person, Convener for College Functions Independence, Republic day, Pooja celebration, Sports day, College Day and Graduation day for two consecutive years, Committee member in staff selection process, Dr. N. G. P. Arts and Science College, 2010 – 11.

- Resource Person, Doctoral Committee Member for a Ph.D Scholar of Microbiology Department, PSGCAS, Coimbatore,
- Resource Person, Doctoral Committee Member, Ph.D Scholar of Microbiology Department, CMS College, Coimbatore,
- Resource Person, Doctoral Committee Member for a Ph.D Scholar of Microbiology Department, Expert Committee member to review the progress of DBT star College Scheme, SNGC, Coimbatore,
- Resource Person, International Conference on Bioresource Technology – its Application & Achievements, Nirmala College for Women, Coimbatore, 7-Oct-10 & 8-Oct-10.
- Resource Person, Talk on Magnitude of Mighty Microbes, Kandaswami Kandars College, Salem, 30-Jan-17
- Resource Person, Mighty Microbes, Sree Narayana Guru College, Coimbatore, 30-Dec-16. Invited, For Academic Audit, at St. Joseph College, Cuddalore, 21-Aug-18.
- Chair person, 16th IAAM National Conference on Human Microbiome in personal medicine, 27-Sep-18 & 28-Sep-18.
- Resource Person, Marine Organism A-Potential Source for Active Compounds, Selvam Arts and Science College, Namakkal, 29-Jan-16.
- Resource Person, Diversity of Microalgae and its Applications, Vivekanadha College of Arts and Science for Women, Namakkal, 3-Sep-16.
- Invited Speaker, Aquatic Biodiversity for School Teacher guides, Dr. N. G. P. Arts and Science College, Coimbatore, 9-Aug-07.
- Invited Speaker, Global warming to NSS Students, Sri Narayanaguru College of Arts and Science, Coimbatore, 7-Jan-08.
- Key note Speaker, National Science Day, School children, Nehru Nagar, Coimbatore, 28-Feb-08. Key note Speaker, Nurture the nature (National Science Day), CMS School, Coimbatore, 8-Feb-08.
- Invited Speaker, A special talk on Disaster Management, Coimbatore Management Association, 24-Nov-08.
- Invited Speaker, Judging Science Drama, Kikani Higher Secondary School, Coimbatore, 26-Sep-09.
- Invited Speaker, Talk on Noosphere for School Guide Teachers, Sri Ramakrishna College for Women, July-09.
- Invited Speaker, Talk on Environmental issues in Microbiology association, Hindustan Arts and Science College, Coimbatore, Aug-09.
- Resource person for Quality Innovative lecture on “Outcome Based Education – An Overview” for

mentee colleges - MRK College of Arts and Science, St. Ann's College of Arts and Science, Sri Vinayaga College of Arts and Science under UGC –Paramarsh Scheme on 23.11.2020 and 08.12.2020 respectively organized by St. Joseph College of Arts and Science.

- Resource Person, to talk about “ Higher Education in Science and its Significance”, DG.Vaishnav College on 04.10.2021.

Member in BoS

- External BoS member in Microbiology, CMS College of Science and Commerce, Coimbatore, 2017-18. External BoS member in Microbiology, RVS College of Arts and Science, Coimbatore, 2014-15.
- BoS Subject Expert, PG Microbiology, Bharathiar University, Coimbatore, 2008-10. BoS Subject Expert, UG Microbiology, Bharathiar University, Coimbatore, 2011-13. BoS Subject Expert, M.Phil Microbiology, Bharathiar University, Coimbatore, 2014-15.
- Ex: Board of Management Studies, Vivekananda Arts and Science College, Bengaluru, since 2015.
- Vice Chancellor Nominee, Board of Studies Meeting, Vivekanandha College of Arts and Science College, Tiruchengode, 2020- till date.
- BoS Subject Expert, Microbiology, Hindustan College of Arts and Science, Coimbatore from 2021 onwards.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Indian Association of Applied Microbiologist	Life member	Till Date
National Academy of Biological Science.	Life member	Till Date

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
IAAM Fellowship Award	Indian Association of Applied Microbiologists	2016
Outstanding Teacher Award	Indian Association of Applied Microbiologists	2019
Sri Nalla Gounder Research & Innovation Award (Best Research Guide)	Dr.N.G.P.Arts and Science College	2019

Sri Nalla Gounder Research & Innovation Award (Best Professor Research Contribution)	Dr.N.G.P.Arts and Science College	2019
Certificate of Appreciation (Receiving Research Project during the period 2019-2020)	Bharathiar University	2021

Recognition National / International

Nature of Recognition	Organization / Institution	Year
EC Member	Indian Association of Applied Microbiologists	from 2016 onwards