

Name : Dr. S. Senthil Prabhu
Designation : Professor
Department : Microbiology
Qualification : M.Sc., M. Phil., Ph.D., PGDCRDM, PGDBI, SET.
Experience : Teaching - 18 Years | Research - 12 Years
Area of Specialization(s) : Microbial Bioprospecting
Email (Official ID) : senthilprabhu@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Microbiology	Bharathiar University, Coimbatore	2020
M. Phil.	Microbiology	Periyar University, Salem	2008
M. Sc.	Microbiology	Bharathiar University, Coimbatore	2005
B. Sc.	Biochemistry	Bharathiar University, Coimbatore	2001

Additional Qualifications

Dip. / Cert.	Area of Specialization	Institution / AgencyName	Year
TN SET	Life Sciences	Mother Teresa University, Kodaikanal	2016
PGDBI	Bioinformatics	Kongunadu Arts and Science College, Coimbatore	2021
PGDCRDM	ClinicalResearch and Data Management	Bharathiar University, Coimbatore	2010

Grants Received

Project Title	Funding Agency	Amount	Duration
Screening of Biologically active secondary metabolites producing Lichens from Selected parts of western Ghats and its antimicrobial activity (Principal Investigator)	UGC Minor Research Project	₹ 90,000	2013 – 2015
Leptospirosis awareness among municipal workers in and around Coimbatore (Co-coordinator)	Dissemination of Innovation Technology (DIT), TNSCST	₹ 100,000	2008-2009

Silver nanoparticles / Zeolite impregnated paper coir pith and coir fiber filters for Point of use water purification and their antibacterial activity	TNSCST (Student project)	₹ 10,000	2016-2017
Antibiotic Susceptibility of Bacterial Isolates from the hand and mobile phones of College Students (Principal Investigator)	Seed Money - Dr. N.G.P. Arts and Science College	₹ 5,000	2021-22
Formulation of cost-effective Microbial culture media using vegetables, Fruits and other kitchen wastes (Principal Investigator)	Seed Money - Dr. N.G.P. Arts and Science College	₹ 21,000	2022-23
XVI Louis Pasteur National Seminar on “Novel Diagnostic and Drug Development Strategies for Infectious Diseases (NDID-2024) – 22 nd & 23 rd February, 2024. (Co-Convener)	DST – SERB Govt. of India	₹ 100, 000	2023-2024
Assessment of IoT-based water utilization using Artificial Intelligence (AI) solutions for Selected Crops (Co-Investigator)	Seed Money - Dr. N.G.P. Arts and Science College	₹ 105, 360	2024-25

IPR – Patent

Title	Status	Year
Red Cabbage Extract as Natural Redox Indicator in Methyl Red, Carbohydrate Fermentation and Citrate Utilization Test for Identification of Enteric Bacteria	Published	2023
Clay Soil Stabilization using MICP Technique by Inducing Microbes and Bacteria in Treating it	Published	2022

Consultancy

Nature of Consultancy	Client	Amount	Status
Establishment of New Microbiology Lab	SAM Clinical Lab, Nehru Nagar, Coimbatore	₹10,000	Completed

Antibacterial assay	CDF Dept. - Dr NGP Arts and Science College	₹ 5000	Completed
Antimicrobial analysis	Krishnammal College For Women, Coimbatore	₹ 6000	Completed

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	1
M. Phil.	3	-

Reviewer in Research Journals

- Journal of Complementary and Alternative Medical Research
- South Asian Journal of Research in Microbiology
- Asian Plant Research Journal
- Journal of Advances in Biology & Biotechnology
- Uttar Pradesh Journal of Zoology
- International Journal of Pathogen Research
- International Journal of Pharmaceutical Investigation

Award / Honor

Award / Honor	Agency / Institution	Year
Fellowship of Indian Association of Applied Microbiologists (FIAAM)	Indian Association of Applied Microbiologists	2022
Awarded Second place in Paper presentation on the topic Biosynthesis of Silver nanoparticles using fungi and its application, International E conference 2020 on “Novel Biotechnological Approach to sustain in Pandemic Scenario”.	Shri Nehru Maha Vidhyalaya College of Arts and Science, Coimbatore.	2020

Awarded First Place in Paper presentation on the topic Isolation and characterization of antimicrobial substances from <i>Parmotrema stuppeum</i> collected from western ghats, Tamil Nadu" at National conference on advances in science and technology PSG SCITECH 2014, Sponsored by MST-DBT, Government of India	PSG College of Arts and Science, Coimbatore	2014
--	---	------

Research Publications

- Kiruthika B, **Senthil Prabhu S** and Sathish Kumar. R, 2022. In Silico Screening of Potential Drug (Phytochemicals) Against Interleukin-6 The Key Protein Involved in Metastasis, *Indo Amer. J. of Pharma, Sci.*, 9(10), 69-72.
- Kasiviswanath. B, **Senthil Prabhu. S**, Dinesh Kumar. S and Sathishkumar. R. 2022. In silico Screening of Lichen Compounds against SARS-COV-2 RdRp Complex. *Indian J. Natu. Sci.*, 13 (72), 41988-41993. ISSN: 0976 – 0997.
- **Senthil Prabhu Sivasamy**, Navami Krishna and Preethi Diana M 2021. Antimicrobial activity, Enzyme production and plant growth promoting activity of *Bacillus magatarium* isolated from lichen *Parmotrema perlatum*, *Indian. J. Natu. Sci.*, 12 (69), 36181- 3618. ISSN: 0976 – 0997.
- **Senthil Prabhu S.**, Kiruthika B and Sathish Kumar. R 2021. Computational Screening and Molecular Docking Of Lichen Secondary Metabolites against Severe Acute Respiratory Syndrome-Cov-2 Main Protease And Spike Protein, *Asian J. Pharm Clin Res.*, 14(11), 100-104. ISSN: 0974-2441
- **Senthil Prabhu. S**, Priyanka. B, Nivedha. P and Aasaiya. S .2021 Antimicrobial, Antioxidant Activity and Phytochemical Analysis of Lichen *Parmotrema perlatum*, *Indian. J. Natu. Sci.*, 12 (69), 36541-36545, ISSN 0976-0997.
- Ramachandran AM, **Senthil Prabhu S**, Devakumar J, Rengaramanujam J, Karthik Sundaram S, Mahenthiren R, Varsha TK 2021. Hydrogel formulation from *Calotropis gigantea* plant extract against foot ulcer causing bacteria in diabetes, *Asian J Pharm. Clin. Res.*, 14(11), 1-4. ISSN: 0974-2441
- Sachin. M Theertha. M Nimisha George, Shruti Benny and **Senthil Prabhu Sivasamy**, 2021. Covid-19 associated mucormycosis and candidiasis in India and herbal medicine treatment for fungal infections: a review, *Int. J. of Creative Res. Thoughts*, 9(7); a49-a57. ISSN: 2320-2882.

- Sumitha Chandrasekaran and **Senthil Prabhu Sivasamy**, 2020: Biosynthesis and Characterization of silver nanoparticles by *Fusarium* sp. and its antimicrobial and antioxidant activity, *Int. J. of Scientific Develop. and Res.* 5(9): 1-10. ISSN: 2455-2631.
- **Senthil Prabhu S**, J Renga Ramanujam and Sudha S S, 2019: Antibacterial Activity of Silver Nanoparticles Synthesized by using Lichens *Heterodermia boryi* and *Parmotrema stuppeum*, *Int. J. of Pharm. and Biol. Sciences*; 9(2).1397-1402. ISSN: 2230-7605.
- **Senthil Prabhu.S** and S.S. Sudha, 2016: In vitro Study on Anthelmintic activity of *Heterodermia boryi* Macrolichen Collected from the Nilgiris, Tamil Nadu, India, *Int. J Curr. Microbiolo. Apl. Sciences* 5 (9): 764-768. ISSN: 2319-7706.
- **Senthil Prabhu. S** and S.S. Sudha 2015: Evaluation of the antibacterial properties of some lichen species against human pathogens, *Int.J.Adv.Res.Biol.Sci.* 2(4); 177-181.ISSN:2348-8069.
- **S. Senthil Prabhu**, P. Sanhita, S. Annapoorani, J. Renga Ramanujam, E. Kumaran. 2015. Green Synthesis of Silver Nanoparticles Using Various Spices Extracts and its Antibacterial Activity on Selected Nosocomial Pathogens, *World. J. Appl. Biol. Biotech.res.* 1(1): 1-12.
- S. Annapoorani, R. Venckatesh, **S. Senthil Prabhu**. 2015. Synthesis and Characterization of Microwave Assisted Nano TiO₂ and Photocatalytic Decolorisation of selected dyes. *World. J. Appl.Biol. Biotech.res.* 1(1): 13-29.
- J. Renga Ramanujam, S. Kulothungan, **S. Senthil Prabhu**, E. Kumaran, V. Shanmugaraju and P. Arun 2015; A Study on Synergism between *Pseudomonas fluorescens* and *Parthenium hysterophorus* as a biocontrol agent to *Alternaria alternata* (leaf spot) in *Lycopersicon esculentum*(tomato), *SIRJ-MBT*, 2(1): 25-38. ISSN: 2349-011X.
- J. Rengaramanujam, S. Kulothungan, **S. Senthil Prabhu**, E. Kumaran, P. Arun and V. Shanmugaraju. 2015; Optimisation of salicylic acid production by *Pseudomonas fluorescens* for the control of *Alternaria alternate* leaf spot in tomato plant, *SIRJ- APBBP* ,2 (1); 24-37. ISSN: 2349-011X.
- **Senthil Prabhu. S**, Reshma K. Mohan, Sanhita. P and Reshma Ravindran, 2014: Production of bacteriocin and biosynthesis of silver nanoparticles by lactic acid bacteria isolated from yoghurt and its antibacterial activity, *SIRJ-MBT*, 1(3),7-14, ISSN: 2349-011X.
- Arun.P, V. Shanmugaraju, J. Rengaramanujam., **S. Senthil Prabhu** and E. Kumaran. 2013; Biosynthesis of Silver Nanoparticles from *Corynebacterium* Sp. And its antimicrobial activity, *Int. J. of Curr. Microbiol. and Appl. Sciences*; 2 (3), 57-64. ISSN: 2319-7706.

- V.Shanmugaraju P. Arun J. Rengaramanujam., **S.Senthilprabhu**. 2011; Isolation of bacteria from seacoasts for its antibacterial substance production. *Int. J. Curt. Microbiol. App. Sci.*..2(8).57-64, ISSN: 2319-7706.
- Nagarajan Prabhu, **Sivasamy Senthil prabhu**, Mohammed Thanveer, Nagarajan Revathi, Narayanan Josna, Rajaputhran Darsana, D.J. Phushpa Innocent and Palanisamy Chinnaswamy, 2009; Differentiation of parasitic and saprophytic leptospirae by oxidase test “A hasty modus operandi”, *African J. of Microbiology Research*, 3 (5), 212-214. ISSN: 1996-0808.
- Prabhu Nagarajan, Revathi Nagarajan and **Senthil prabhu Sivasami**, 2009; Extra Cellular Synthesis of Silver Fungal Nanoparticles and its antibacterial effects: A novel approach to overcome infection rate in *Trendz in Biotech*.
- Anand R, **Senthil Prabhu S**, Sundaramoorthi C and Bhuvaneshwari K., 2009; Characterization of fungal contaminants from wheat and the speculation of Mycotoxin with reference to aflatoxin in *Advanced Biotech*.
- Anand R, **S. Senthil Prabhu** and Bhuvaneshwari K 2008: A Study on The Compatibility of *Trichodherma viridae* with chemical Fungicides in *Trendz in Biotech*.

Book Chapters

- Sachitha. J.G, Sangeetha. P, Yesvanth. S, **S. Senthil Prabhu**, 2023; Role of AI in Algal Detection: Emerging Trends in Multidisciplinary Research (ETMR). ISBN: 978-93-91387-55-6. Page. No. 267-274.
- J. Janani, Tamil Arrasi , **Senthil Prabhu**.2023; Artificial Intelligence Role in Characterizing Bacterial and Fungal Colony Morphology: Emerging Trends in Multidisciplinary Research (ETMR). ISBN: 978-93-91387-55-6. Page. No. 398-407.
- **S. Senthil Prabhu**, R. Sathish Kumar, J. Rengaramanujam, 2023; Molecular Docking of Secondary Metabolites from Lichens Targeting Sars-CoV-2 Main Protease (Mpro) and Spike Protein Receptors, International Book: *Novel Aspects on Pharmaceutical Research*, Vol. 7, ISBN: 978-81-19491-33-9; Page No: 76-89.
- **S. Senthil Prabhu** and Sivasubramaniam K, 2016: Antifungal activity of some plant extracts against fungal Phytopathogens, 14th IAAM conference Proceedings (ISBN), 161-162.
- Thirumangai K., R. Karthic., **S. Senthil Prabhu** and S.S. Sudha,2012; Decolorization of Congo red, Malachite green and Methylene blue by the Actinomycetes isolated from sludge areas in Research Proceeding of International Symposium on Harnessing Microbes and Resource Recuperation (ISHM-2012), ISBN No; 978-1-4507-5165-0, Page No; 275- 284.

- **Senthil Prabhu S.**, C. Vijayalakshmi and S.S. Sudha, 2012; Isolation and Identification of Alkaline protease produced *Bacillus subtilis* and physico chemical characterization of the enzyme production in Research Proceeding of International Symposium on Harnessing Microbes and Resource Recuperation (ISHM-2012) , ISBN No; 978-1-4507-5165-0 Page No; 149- 158.
- **Senthil Prabhu S.**,2011: Significances of Microbes in Rural Development, Proceedings on ICSSR Sponsored National seminar on Role of Banking sector in Rural Development, ISBN No; 978-81-920808-7-1, Page No; 189 - 193.

Abstracts in conference proceedings

- Janai J and **Senthil Prabhu S**, Isolation, Identification and Charecterization of Endophytic fungi from *Moringa Citrifolia* for Wound healing property, Proceedings for DST SERB Sponsored National Seminar on Novel Diagnostics and Drug Development Strategies for Infectious Diseases (NDID- 2024), ISBN: 978-81-969836-7-3, Dept. of Microbiology, Dr. N.G.P Arts and Science College, Coimbatore, 22nd & 23rd Feb,2024.
- Mathumitha P., Oviya K., Vijay Krishna P and **Senthil Prabhu S**, Antibacterial activity of Lactic acid bacteria Isolated form probiotic health drink Yakult, Proceedings for DST SERB Sponsored National Seminar on Novel Diagnostics and Drug Development Strategies for Infectious Diseases (NDID- 2024), ISBN: 978-81-969836-7-3, Dept. of Microbiology, Dr. N.G.P Arts and Science College, Coimbatore, 22nd & 23rd Feb,2024.
- Namachivaya Sivaprakash R., Anieth Noel A., Parthasarathi C., Vazeehara Raja B, **Senthil Prabhu S**, Extraction of PHB from Different Soil Sample to Prepare Bioplastics, Proceedings, 14th Louis Pasteur Symposium on Role of Multidisciplinary Research in Microbiology for Sustainable Development (RMSD -2023), Department of Biotechnology, Dr. N.G.P. Arts and Science College, 9-Mar-2010 & 10-Mar-2023.
- Kaviyarasu K and **Senthil Prabhu S**, Isolation of Endophytic Bacteria from Seaweed & Its Antimicrobial Activity against UTI Pathogens, Proceedings, 14th Louis Pasteur Symposium on Role of Multidisciplinary Research in Microbiology for Sustainable Development (RMSD - 2023), Department of Biotechnology, Dr. N.G.P. Arts and Science College, 9-Mar-2010 & 10-Mar-2023.
- Ravikumar R, J. Deva Kumar, Hariharan M and **S. Senthil Prabhu**, Antimicrobial activity of extracts of edible mushrooms against foodborne pathogenic bacteria, Proceedings, 14th Louis Pasteur Symposium on Role of Multidisciplinary Research in Microbiology for Sustainable Development (RMSD -2023), Department of Biotechnology, Dr. N.G.P. Arts and Science College, 9-Mar-2010 & 10-Mar-2023.

- Ananda Krishnan and **Senthil Prabhu S**, Endophytic fungi of seaweeds from coastal regions of Tamil Nadu, a potential source for biological activities, Proceedings, 14th Louis Pasteur Symposium on Role of Multidisciplinary Research in Microbiology for Sustainable Development (RMSD -2023), Department of Biotechnology, Dr. N.G.P. Arts and Science College, 9-Mar-2010 & 10-Mar-2023.
- **Senthil Prabhu S** and S.S. Sudha, Cytotoxic activity of Lichen collected from Western ghats, Tamil Nadu, India, DBT Sponsored International Conference on “Converging Microbiological Innovation for Application in Animal, Plant, Environment and Health Care” abstracts in Indian Journal of Applied Microbiology ISSN No. 2249-8400, at Manonmaniam Sundaranar University, Tirunelveli, on 27 & 28 January 2023.
- Mayurika N.Nivethitha M. and **Senthil Prabhu S**. Lichen mediated green synthesized silver nanoparticles coated with filter paper for drinking water purification (paper water purifier), Proceedings of the National conference on Futuristic intricate stratagems in Computational genomics, Sponsored by DBT, Govt. of India, Nirmala college for women, Coimbatore, 24-Jan-2019 & 24-Jan- 2019.
- Reshma K. Mohan and **Senthil Prabhu S**. Antimicrobial activity of Bacteriocin and Silver nanoparticles from probiotics, DRDO Sponsored National conference on Recent trends in Biotechnology, Department of Biotechnology, Dr. N.G.P. Arts and Science College, 30Sep-2010 & 01-Oct-2010.
- Sanhita P. and **Senthil Prabhu S**. Green synthesis of silver nanoparticles from spices and their antimicrobial activity against nosocomial pathogens, DRDO Sponsored National conference on Recent trends in Biotechnology, Department of Biotechnology, Dr. N.G.P. Arts and Science College, 30-Sep-2010 & 01-Oct-2010.
- **Senthil Prabhu S.**, Studies on seed borne disease of chilli (*Capsicum annum*), Abstract proceedings National Seminar on Current trends in Advanced Biological Research, Nehru Arts and Science College, Coimbatore, 24- an-2006 & 25- Jan-2006.

GenBank Submissions

- Sudha, S.S., Karthic, R., Sowmya,T, Francis, M., Rengaramanujam,J. and **Senthil Prabhu, S**.Staphylococcus sp. MSK 2 16S ribosomal RNA gene, partial sequence. JX495946.
- Sudha S.S., Karthic, R., Sowmya, T., Francis, Rengaramanujam, J. and **Senthil Prabhu S**. Bacillus sp.MSK 3, 16S ribosomal RNA gene, partial sequence. JX495947.
- Sudha, S.S, KarthicR., Sowmya T., Francis M., Rengaramanujam J. and **Senthil Prabhu S**.Brevundimonas sp. MSK 4 16S ribosomal RNA gene, partial sequence. JX495948.

- Sudha, S.S., Karthic, R., Sowmya, T., Francis, M., Rengaramanujam, J. and **Senthil Prabhu, S.** Bacillus sp. SMK 5, 16S ribosomal RNA gene, partial sequence. JX495949.
- Sudha, S.S., Karthic, R., Sowmya, T., Francis, M., Rengaramanujam, J. and **Senthil Prabhu, S.** Staphylococcus sp. SMK 6, 16S ribosomal RNA gene, partial sequence. JX495950.
- Sudha, S.S., Karthic, R., Sowmya, T., Francis, M., Rengaramanujam, J. and **Senthil Prabhu, S.** Bacillus sp. SMK 7, 16S ribosomal RNA gene, partial sequence. JX495951.
- Sudha, S.S., Karthic, R., Sowmya, T., Francis, M., Rengaramanujam, J. and **Senthil Prabhu, S.** Brevundimonas sp. SMK 8, 16S ribosomal RNA gene, partial sequence. JX495952.

Conference / Seminar / Workshop/ Training / Events Organized

- **Co- convener, DST SERB Sponsored XVI Louis Pasteur National Seminar on Novel Diagnostic and Drug Development Strategies for Infectious Disease (NDID- 2024)**, Dept. of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore, 22nd & 23rd Feb, 2024.
- **Organizing Secretary, Intercollegiate Workshop on Screening and Evaluation of Antimicrobial Efficacy, Under DBT Star Status**, Dept. of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore, 6th Jan, 2024.
- Organizing member, **Awareness on Global handwashing Day for School Childrens**, by DBT Star College Scheme, Dr. Dr. N.G.P. Arts and Science College, Coimbatore, 14-Oct-2023.
- Organizing Member, **15th Louis Pasteur National Symposium on Microbial Prospecting and Entrepreneurship (MEP)**, Department of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore, 22-Sep-2023.
- **Coordinator, Hands-on Training on Basic & Advanced Microscopic Techniques and Microbial Culture Techniques for Higher Secondary Biology Students (R.J. Matriculation Hr. Sec. School, Coimbatore)**, Under DBT Star College Scheme, Department of Microbiology, Dr. N.G.P. Arts and Science College.
- Organizing member, **National conference on Interdisciplinary Approaches on Dynamic of Bioscience Research (IADBR-2023)**, 28th march 2023, Under DBT Star Scheme, Department of Biosciences, Dr. N.G.P. Arts and Science College.
- Organizing member, **XIV Louis Pasteur International Symposium on the Role of Multidisciplinary Research in Microbiology for Sustainable Development (RMSD— 2023)**, 9th & 10th march, 2023, Dept. of microbiology, Dr. N.G.P. Arts and Science College.

- Coordinator, National Science Day celebrations on 28.02.2023 **organized Competitions: Quiz, Oratorical, Drawing at various Government Schools (70 Schools)** of Coimbatore and Tiruppur Districts, Center for Research, Dr. N.G.P. Arts and Science College.
- Coordinator, National Science Day celebrations on 28.02.2023 and organized **Science Exhibition**, Center for Research, Dr. N.G.P. Arts and Science College.
- Organizing Member, International Seminar on “**Perspectives of nanotechnology in medical applications**”, 27th Nov-2021, Dept. of Microbiology, Dr. N.G.P. Arts and Science College.
- **Organizing Secretary**, Hands on Training program on “**Microbial Isolation and Molecular Analysis**” for KMCH college pharmacy students, 4-Oct- 2021 to 07-Oct-2021 Under DBT Star Scheme, Department of Microbiology, Dr. N.G.P. Arts and Science College.
- **Organizing Secretary, Virtual Lecture Workshop series** on Oct-2021, Under DBT Star Scheme, Department of Microbiology, Dr. N.G.P. Arts and Science College.
- **Organizing Secretary, National symposium on Graduate Research-2020**, Under DBT Star Scheme, 22-Feb-2020, Department of Microbiology, Dr. N.G.P. Arts and Science College.
- **Organizing Secretary, SERB Sponsored National Seminar on computing platforms for Biological Big data analytics**, 05-Feb-2020 & 06-Feb-2020, Department of IT and Department of Microbiology, Dr. N. G. P. Arts and Science College, Coimbatore.
- **Organizing Secretary, National Conference on Futuristic Approaches in Transformation of Bioscience Research (FATBR -2020)**, 06-Mar-2020 and 07-Mar-2020.
- Coordinator Training on **Basic Microbiology techniques** for Students and Staff of Sri Rajeswari Matric.Hr. Sec. School, Kangeyam, 06- Jan-2020. Department of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore.
- **Organizing Secretary, National symposium on Graduate Research-2019**, 26-Feb-2019 & 27-Feb-2019, Under DBT Star Scheme, Department of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore.
- **Organizing Secretary, Hands on Training in Stereo and Inverted Microscope**, under DBT Star Scheme, 11-Feb-2019 to 15-Feb- 2019, Department of Microbiology, Dr. N. G. P. Arts and Science College, Coimbatore.
- **Organizing Secretary, Workshop on Identification Fungi & Algae and Training in Foldscope-WIFATF-2019**, 06 & 07-Feb-2019 under DBT Star Scheme at D.N.G.P. Arts and Science College.

- Organizing member, **National Workshop on Intellectual Property Rights-2019**, IPR cell and DBT star scheme, Dr. N.G.P. Arts and Science College, 15-Feb-2019 to 15-Feb-2019.
- Organizing Member of 10th Louis Pasteur Memorial National Symposium in **Nanotechnology in drug delivery a tool for biology and medicine (PSNDD-2017)**, D.N.G.P. Arts and Science College. 15th Sep, 2017.
- Organizing member of 14th national conference of IAAM on **Transitional and Translational Scenarios in Biological Sciences**, 09 & 10-Sep-2016, D.N.G.P. Arts and Science College.
- Organizing Member of VIII Louis Pasteur Memorial National Symposium on **Causatives and Curatives of Infectious Disease CCID, 19-Aug-2015**, Dr. N.G.P. Arts and Science College.
- Organizing member, **TNSCST- DIT Sponsored Cervical cancer Awareness for Cotton Mill workers**, 2014-2015. Department of Microbiology, Dr. N.G.P. Arts and Science College.
- Organizing member of VII Louis Pasteur memorial **National Symposium on Momentous microbes from menace to marvel PSMM-2014**, Department of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore, 20-Aug-2014.
- Organizing member VI Louis Pasteur memorial national symposium on **Perception of microbes in Human Health and environment PSPM-13**, 22-Aug-2013, Dr. N.G.P. Arts and Science College, Coimbatore.
- Organizing Member, Louis Pasteur Memorial International symposium on **Harnessing Microbes for Human Health and Resource Recuperation ISHM-2012**, Department of Microbiology, Dr. N. G. P. Arts and Science College, Coimbatore, 7 & 8-Aug-2012.
- Organizing member, Science **Expo 2011**, 27-Sep-2011 to 29-Sep-2011, Department of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore.
- Organizing member of National Symposium on "**Biopharmaceuticals and their Application in Disease prevention and health promotion**", 04-Aug- 2011 & 05-Aug-2011, Dr. N.G.P. Arts and Science College, Coimbatore.
- Organizing Member in III Louis Pasteur National Symposium in **Communicable diseases and its control measures**", 04-Aug-2010 & 05-Aug-2010, Dr. N.G.P. Arts and Science College.
- Organizing Member, **Bioentrepreneurship summit-2010**, Dr. N.G.P. Arts and Science College, Coimbatore, 18-Mar-2010.
- Organizing Member, II Louis Pasteur memorial symposium on **Antimicrobial Resistance and drug Discovery**, Dr. N.G.P. Arts and Science College, Coimbatore, 9 & 10-Sep-2009.

- Organizing Member, Seminar on **Bioscience –A sustainable Virtue**, Dr. N.G.P. Arts and Science College, Coimbatore, 24-Feb-2009.
- Organizing member of National symposium on **Infectious Diseases**, Sponsored by ICMR, 8-Aug-2008 & 9-Aug-2008, Dr. N.G.P. Arts and Science College, Coimbatore.
- Organizing member, **National Seminar on Revolutions in Microbiology** Department of Microbiology and Social Work, Nehru Arts and Science College, Coimbatore, 12-Sep- 2007 & 13-Sep-2007.
- Organizing member, Workshop on **Self Employment for Rural People** and contributed the article on Sericulture in the workshop manual, Department of Microbiology and Social Work, Nehru Arts and Science College, Coimbatore, 18- Aug- 2007.

Participation in Workshop/ Training

- **14 days Faculty Training programme on Recent Advances in Molecular Biology and Biotechnology**, Rubber Research Institute of India, Kottayam, Kerala, **DBT Skill Vigyan Programme**- DBT Govt. of India and Kerala Biotechnology Commission, KSCSTE, March 6th to March 19th, 2024.
- Workshop on **Creating Documentaries as Tools for Teaching in Higher Education**, Center of Education beyond Curriculum, CHRIST University (Nodal Office), Thiruvananthapuram, Kerala, November 28 & 29, 2023.
- Workshop cum Training programme on **Polymerase Chain Reaction (PCR)**, National Institute of Food technology, Entrepreneurship and Management, Thanjavur, 04-Aug-2023.
- Professional development workshop on **Digital Creative Skills** as a part of Adobe Academic Essential Program, 9th Sep, 2023.
- Workshop on **Outcome Based Education**, Dr. N.G.P. Arts and Science College & ipsr Solutions, Coimbatore from 04th March 2023.
- Hands on Training programme on **DNA Sequencing**, BU- DNA Sequencing core facility, Central instrumentation center, Bharathiar University, Coimbatore, 02-03, March 2023.
- Workshop on Nuances on documentation process: research proposal, NAAC & NIRF, TNSCHE, Bharathiar University, 8th august 2022.
- Workshop on **Molecular Docking**, Dept. of Bioinformatics, Nirmala College for Women, Coimbatore, 20 to 22-Dec-21

- E Workshop cum Discussion forum on **High end characterization of Microalgae: Overcoming the Technological Barriers**, TERI, 3-Mar- 2021 & 4-Mar- 2021.
- Seven days online Workshop on **Revised NAAC Norms and Procedures**, St. Joseph's College, Bengaluru, 7-Jan- 2021 to 15-Jan- 2021.
- Four days online Training course on **Mass Spectrophotometry and Proteomics**, Amazing BiotechLtd., Chennai, 15-Jul- 2020 to 18-Jul- 2020.
- Three days online Training course on **Real Time PCR-based Gene Expression and Pathogendetection**, Amazing Biotech Ltd., Chennai, 6-Jul-2020 to 8-Jul-2020.
- Five days online Training Course on Gel **based Proteomics**, Amazing Biotech Ltd., Chennai, 21-Jun-2020 to 25-Jun-2020.
- Workshop on **Biomedical Application in Translational Research (BATR-2020)**, Alagappa University, 8-May -2020 to 19-May -2020.
- International Workshop on **Health risk Assessment of nanoparticles**, sponsored by DST-DADD- Project based personal exchange programme, Dr. N.G.P. Arts and Science College, 05-Dec -2018 to 07-Dec -2018.
- National Workshop on **Taxonomy, Biodiversity, Ex Situ Conservation and Applications of Fungi**, National Fungal Culture Collection of India (NFCCI), Agharkar Research Institute (ARI), Pune, 21-May – 2018 & 28-May - 2018.
- Workshop on **Analysis of Spectral data**, Dr.N.G.P. Arts and Science College, Coimbatore, 30- Jan-2017.
- Workshop on **The Art of Writing Research Paper**, Kongu Engineering College, Erode, 19-OCT-2015
- **Environmental Awareness Training Programme**, Anglade Institute of Natural History, Kodaikanal, 02-Oct-2006 to 04-Oct-2006.
- One Day Hands on Workshop on **SPSS**, Dr. N.G.P. Arts and Science College, Coimbatore, 13- Mar-2010.
- CSIR Sponsored **Hands on Training in Herbal Drug Standardization using HPLC and HPTLC**, KMCH College of Pharmacy, Coimbatore, 19- Nov- 2010.
- Two Days Workshop in **Bioinformatics tools and data bases**, Sai's Biosciences Research Institute Pvt ltd., Coimbatore, 27-Nov- 2010 & 28-Nov- 2010

- National workshop on **Bioinformatics**, Kannur University, Kerala, 10 to 11-Jan- 2008.
- **Inter State Youth Red Cross Training Cum- study camp**, Youth Red Cross Society & Bharathiar University, Coimbatore, 27-Dec-2007 to 31-Dec-2007.

Presentations in Conference/Seminar

- **Cytotoxic activity of Lichens collected from Western ghats, Tamil Nadu, India**, DBT Sponsored International Conference on “Converging Microbiological Innovation for Application in Animal, Plant, Environment and Health Care”, Manonmaniam Sundaranar University, Tirunelveli, 27 & 28 January 2023.
- **Extraction of fungal pigment for industrial application and Biosynthesis of Silver nanoparticles using fungi and its application**, International E conference 2020 on “Novel Biotechnological Approach to sustain in Pandemic Scenario”, Department of Biotechnology, Shri Nehru Maha Vidhyalaya College of Arts and Science, 18-May-2020 to 21-May-2020.
- **Evaluation of biological activities and biomonitoring of atmospheric heavy metal pollution by lichens from Western Ghats, Tamil Nadu**, 17th IAAM Annual conference Microbiology in the NewMillennium, Kalasalingam Academy of Research and Education, 29-Nov-2019 & 30-Nov-2019.
- **Isolation and Identification of amylase producing *Bacillus subtilis* from kitchen waste**, National level seminar on Novel microbial technologies for sustainable developments, Dr. G.R. Damodaran College of Science, Coimbatore, 11- Oct-2019 & 12- Oct-2019.
- **Heavy metal accumulation in lichens collected from The Nilgiris, Tamil Nadu and evaluation of cytotoxic activity of lichen extract on HeLa cell line**, National conference on Unearth the new frontiers in life sciences, Sri Krishna Arts and Science College, Coimbatore 11-Feb-2019.
- **Symbiotic lichen and their Secondary Metabolites**, National conference of IAAM on Human Microbiome in personal Medicine- Bridging Humans & Microbes for Future Sustainability, JSS AHER, Mysuru, Karnataka, 27-Sep-2018 & 28-Sep-2018.
- **Bioprospecting of Lichens**, National conference on Genomics and Proteomics in Bioprospecting- Role in Healthcare development, Department of Biotechnology, Dr. N.G.P. Arts and Science College, 21-Dec-2016.
- **Anthelmintic activity of Lichens from Western ghats**, National Seminar on Frontier Research in Applied biology & Environmental sciences, King Nandhivarman College of Arts & Science, Thiruvannamalai, 30-Jan-2016.

- **Antifungal and Antioxidant activity of selected lichens from western ghats** National Seminar on Biodiversity Products and Industrial Application (BPIA-2015), Center for Biodiversity and Forest Studies, Periyar University, Salem, 28-Sep-2015 & 29-Sep-2015.
- **Isolation and characterization of antimicrobial substances from *Parmotrema stuppeum* collected from western ghats, Tamilnadu** National conference on advances in science and technology PSG SCITECH 2014, Sponsored by MST-DBT, Government of India, 12-Sep-2014 & 12-Sep-2014, PSG College of Arts and Science, Coimbatore.
- **Lichens- potential source of bioactive secondary metabolites its application** and cultivation in DBT Sponsored National seminar on Recent advances in Biotechnology and Applied Microbiology, Kanchi Shri Krishna College of Arts and Sciences, Kanchipuram on 03-Mar-2014 & 04-Mar-2014.
- **Nosocomial Pathogens**, International Conference on Current Trends in Advanced Biomedical Technology, Department of Microbiology & Biotechnology, Nehru arts and Science College, Coimbatore, 20- Dec-2010 & 21- Dec-2010.
- **Green Synthesis of Silver Nanoparticles and its Antimicrobial activity**, National Conference on Recent Trends in Biotechnology, Dept. of Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore, 30-Sep- 2010.
- **Nanoparticles from probiotic organisms and its antimicrobial resistance** National Conference on Advance Trends in Biotechnology, Dept. of Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore, 18-Dec-2009 & 19-Dec-2009.
- **Antimicrobial Resistance**, National level seminar on Bioscience "BIO VERGE'08", 27- Nov-2008, Indira Gandhi College of Arts and Science, Kerala.
- **Poster- Challenges in Management of municipal wastes**, National Conference on Environmental challenged and Management, Department of Environmental Sciences, Bharathiar University, 08-Mar-2007 & 09-Mar-2007.
- **Studies on seed borne disease of chilli (*Capsicum annum*)** National Seminar on Current trends in Advanced Biological Research, Nehru Arts and Science College, Coimbatore, 24-Jan-2006 & 25-Jan-2006.

Participation in Conference

International

- International Conference on **Indian Rural public health and non-communicable disease**, Hindusthan College of Arts and Science, Coimbatore, 03-Oct-2015.

- International Symposium on **Public Health Emergency and Disaster Management**, Hindusthan College of Arts and Science, Coimbatore, 03–Oct-2015.

National

- DBT sponsored National Conference on **Changing Disease Profile: Challenges facing basic and translational research in India**, 05 & 06-Oct-2016, Dr. N.G.P. Arts and Science College.
- National Level conference of Indian Association of Applied Microbiologists **Sustainability, Challenges and Advances in Biological sciences**, 18-Dec-2015 & 19-Dec-2015, Muthayammal College of Arts and Science, Namakkal.
- National Conference on **Emerging Education Models for 21st Century Learner**, 01-Aug-2015, Association of Principals of colleges of Bharathiar University jointly with UGC HRD.
- National conference on **Bio-Medical Waste Management**, Department of Hospital Administration, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Sep-2012.
- National level conference on **Emerging Trends in Herbal research & Cancer therapy**, KMCH College of pharmacy, Coimbatore, 26-Jun- 2012.
- National Level conference on **The Role of Informed consent in clinical decisions and research in hospitals**, 26-Aug-2011, Dr. N.G.P. Arts and Science College, Coimbatore.
- NAAC Sponsored State level conference on **Achieving Academic Excellence through Internal Quality Assurance Cell (IQAC)**, 09-Dec- 2011 & 10-Dec- 2011, Dr. N.G.P. Arts and Science College, Coimbatore.
- National conference on **Issues in higher Education**, 29-Oct-2010, Dr. N.G.P. Arts and Science College, Coimbatore Association of Principals of Colleges, Bharathiar University & UGC- Academic Staff College, Bharathiar University.
- National Conference on **Medicinal and Aromatic Plants for Public Health**, 18-Sep-2008 & 19-Sep-2008, Karunya University, Coimbatore.
- National Conference on **Environmental Challenges and Management (ECM-2007)**, Bharathiar University, Coimbatore, 8 to 09-Mar-2007

Participation in Seminars

- International webinar on **Scanning and Electron Microscopy 2022**, (iWesteem 2022), 8th September, 2022

- Science Academies lecture workshop on **DNA technologies in revisiting biology**, Dr. N.G.P. Arts and science college, Coimbatore, 27-Jul-2017 to 29-Jul-2017.
- Science Academies lecture workshop on **Interdisciplinary Approach of Research in Life sciences** at Krishanammal College for Women, Coimbatore, 19-Dec-2014 to 20-Dec-2014.
- National level seminar on **Current trends in Advanced Biological Research**, Nehru Arts and Science College, Coimbatore, 24-Jan-2006 & 25-Jan-2006.
- National Symposium on **Mechanisms of Microbial Pathogenesis**, IISc Centenary Conference, Department of Microbiology & Cell biology, Indian Institute of Science, Bengaluru, 10-Mar-2009 to 12-Mar-2009.

Short Term Courses/ E-Courses/ Orientation Programmes Completed and Participation

- Certificate course on HACCP, **Level 3**, AVT Academy, Tiruttani, September, 2023.
- NPTEL Online Certification program on **Accreditation and Outcome Based Learning**, NPTEL, Aug-Oct 2022.
- Certificate Course on **HPLC Mass technology**, Karunya Institute of Technology and Sciences, 17- Feb-2021 to 20- Feb-2021.
- Two Weeks Comprehensive Online **Patent Information Course**, turnip innovations, 2021.
- UGC Stride Training Programme on **Excellence in research**, Avinashilingam University, 27-Jan-2021 to 8-Feb-2021.
- AICTE sponsored One Week Short Term Training Programme on **Biotechnology and its application in Tribal areas**, Ballarpur Institute of Technology, 07-Dec-2020 to 11-Dec-2020.
- One Week Online Certificate Course on **Digital Teaching Techniques**, ICT Academy, 10 to 15-Aug-2020.
- Certificate course on **Microbiology and Forensic Science**, Open2Study, 2014.

Participation in Faculty Development Programme

- **Classroom Management in Digital Era**, Hindusthan College of Arts and Science, Coimbatore, 01 to 12-Dec-2023.
- **Educational Leadership**, NPTEL, July – Oct, 2023

- **Empowering Education for Innovation- A NEP Perspective**, Dr. N.G.P. Arts and Science College, Coimbatore, 30-Jun-2023 to 04-July 2023.
- **Outcome Based Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 17-Jun-23 to 21-Jun-23.
- **Accreditation and Outcome Based Learning**, NPTEL, 2022.
- UGC Approved Short training professional developmental program on **Implementation of NEP-2020 for University and College Teachers**, 21 to 29-Sep-22.
- Journal writing on **How to publish a paper in UGC Care List journals**, SSSS Jain College for Women, Chennai, 2-Sep-22.
- ATAL FDP Program on **Drug Engineering through Bioprospecting**, Dr NGP Arts and Science College, 2-Jul-2021 to 17-Jul-2021.
- National level FDP Program on **Strategic Resilience and Organizational Agility**, Valluvar College of Science and Management, 26-May-2021 to 31-May-2021.
- Virtual FDP Program on **Bio innovation Patenting and Entrepreneurship Opportunities in biotechnology for Sustainable Development**, Oxford College of Engineering, Bengaluru, 29-Mar-2021 to 30-Mar-2021.
- Online FDP Program on **Good Governance in College**, Govt. Chhatrasal College, Pichore, Shivpuri, Madhya Pradesh, 11-Jan-2021 & 17-Jan-2021.
- 21 days FDP Program on **Educational Management and Leadership for Sustainable Environment**, CLEM, Department Education, Panjab University, Under Aegis of PMMMNMTT, Govt. of India, 10-Dec-2020 to 30-Dec-2020.
- One Week FDP on **Teaching, Learning and research in Higher Education: A Covid- 19 response**, PKR College of For Women, Gobichettipalayam, 04-May-2020.
- One Week FDP Program on **Quality Initiatives in Higher Education**, Dr. N.G. P. Arts and Science College, Coimbatore, Sri Ramakrishna College of Arts and Science, Coimbatore, Gobi Arts and Science College, Gobi, Vellalar College for Women, Erode, 13-Apr-20 to 20-Apr-20.
- Seven days FDP on **NAAC Revised Accreditation Frame Work and OBE Assessment Methodology**, Dr. N.G.P. Arts and Science College, Coimbatore, 27-May-19 to 02-Jun-19.
- Seven days FDP on **Quality Measures in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 03-Dec-2018 to 09-Dec-2019.

Invited Speaker / Session Chair- Conference / Seminar / Workshop

- Resource Person in Lecture Workshop and delivered talk on **Macro and Micro Approach for Identification and Exploration of Filamentous Fungi**, Achariya Arts and Science College, Puducherry, 12th Feb, 2024.
- Resource Person in Lecture Workshop and delivered talk on **Lichen: An Explicit View**, Dept. of Microbiology, Achariya Arts and Science College, Puducherry, 13th Feb, 2024
- Resource person, Workshop on **Stereo and Inverted Microscope**, Department of Microbiology, RVS College of Arts and Science, Erode, 21-Dec-2021.
- Resource person, Webinar on **The glory of fungi and its diversity**, Department of Microbiology, Bharathidasan College of Arts and Science, Erode, 02-Oct-2021.
- Session Chair in SERB Sponsored National Seminar on **Computing platforms for Biological Big data analytics**, 05-Feb-2020 & 06-Feb-2020. Dept. of IT Technology and Dept. of Microbiology, Dr. N.G.P. Arts and Science College, Coimbatore
- Resource Person, Workshop on **Culture Preservation Techniques** organized under DBT Star scheme on 17–Aug-2019.
- Resource Person, Knowledge Exchange program on **Certifications required for Food business in India and Bio-entrepreneurship**, Department Commerce CA and Microbiology, Dr. N.G.P. arts and Science College, 11-Jul-2019.
- Resource Person, Knowledge Exchange program on **Certifications required for Food business in India and Bio-entrepreneurship**, Department of Biotechnology and Microbiology, Dr. N.G.P. arts and Science College, 16-Jul-2019.
- Resource Person, Workshop on **Fungi Identification** under DBT star scheme on 8-Jan-2019 & 9-Jan-2019 for intercollegiate students
- Resource Person, Workshop on Fungi **Identification** for Biotechnology department students under DBT star scheme, 06- Feb-2019 & 07-Feb-2019.
- Resource Person, Special Lecture for Biochemistry and Microbiology students under DBT Starscheme on **Identification of Fungi**, 28-Jun-2018.
- Resource Person, Special Lecture for Biotechnology students under DBT Star scheme on **Identification of Fungi**, 02-Jul-2018.

Administrative Experience/ Post & Responsibilities Held

- **DBT Star Status Scheme -Department Coordinator** (2018 to till date)
- **Coordinator, Center for Research, Dr. N.G.P. ASC** (2022-2023)
- **Secretary, Alumni association, Dr. N.G.P. arts and Science College, (2011-13 & 2018-19)**
- **Coordinator, Parent Teacher Association (PTA), Dr. N.G.P. Arts and Science College, (2016-17).**
- **Admission Committee member –Dr. N.G. P. Arts and Science College** (2008 to till date)
- **Member, Criterion IV & Verification member of NAAC documents** (2021-22022)
- **Member, Anti Ragging Committee - Dr. N.G. P. Arts and Science College** (2023 to till date)
- **Program Officer, Youth Red Cross (YRC), Nehru Arts and Science College, (2007-2008).**
- **Editor in Conference Proceeding (ISBN) - ICMR and DBT Sponsored 14th National Conference of Indian Association of Applied Microbiologists on Transitional and Translational Scenarios in Biological Sciences -2016.**
- **Editor in DBT Star Bulletin and DBT Science Bulletin (ISBN) (2018-19 & 2019-20).**
- **Editor in Abstract books- DBT, ICMR Sponsored International Symposium on Harnessing Microbesfor Human health and resource Recuperation (ISHM-2012)**
- **Acted as Judge** for Poster presentation, National Conference on Biotechnology- Present and Future (Marina -13), Department of Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore, 26- Sep-2013 & 27-Sep-2013.
- **Editor in Alumni Association Newsletter** (2013 & 2019)
- **Sub-Editor** and Contributed the article in ‘Kattal Inithu’ **Tamil Magazine**, Polished by Vasgar Vattam, Kalapatti Branch library, Coimbatore
- **Sub Editor Robert Koch memorial Microbiology News Letter**, Dr. N.G.P. Arts and Science College, (2009, 2010-11, 2012-13, 2013-14 & 2014-15).
- **Exam Cell and NAAC committee member**, Nehru Arts and Science college (2007).

E- Content

- <https://senthilprabhu.blogspot.com/>

Member in BoS

- Member Microbiology Board, Dr. N.G.P. Arts and Science College, Coimbatore from 2018.
- Member Microbiology Board (Question Paper Passing), Nehru arts and Science College, Coimbatore.
- Member UG Lab Technician Board, PRIDE, Periyar University.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Indian Lichenological Society	Life-Time	-
Indian Association of Applied	Life - Time	-
Tamil Nadu State Science Forum (TNSF)	1 Year	2018-2019
Asian Council of Science Editors	Basic member	