

Name: Dr. S. Senthil Prabhu

Designation: Professor

Department: Microbiology

Qualification: M.Sc., M. Phil., Ph.D., PGDCRDM., PGDBI., SET.

Experience: Teaching: 17.7 Years Research: 10 Years

Area of Specialization(s): 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

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
TNSET- Tamil Nadu State Eligibility Test (Lectureship)	Microbiology	UGC (Mother Teresa University, TamilNadu)	2016
PGDBI	Post Graduate Diploma in Bioinformatics	Kongunadu Arts and Science College, Coimbatore	2021
PGDCRDM	Post Graduate Diploma in Clinical Research and Data Management	Bharathiar University, Coimbatore	2010
Online Certificate	Accreditation and Outcome Based Learning	NPTEL	2022

Grants Received

Project Title	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	Rs. 90,000/-	2013 – 2015
Leptospirosis awareness among municipal workers in and around Coimbatore (Co-coordinator)	Dissemination of Innovation Technology (DIT), TNSCST	Rs. 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)	Rs. 10,000/-	2016-2017
Antibiotic Susceptibility of Bacterial Isolates from the hand and mobile phones of College Students	Dr. N.G.P. Arts and Science College (Seed Money)	Rs. 5,000/-	2021-22
Formulation of cost effective Microbial culture media using vegetables, Fruits and other kitchen wastes	Dr. N.G.P. Arts and Science College (Seed Money)	Rs. 21,000/-	2022-23

Patent

Title	Status	Year
Clay Soil Stabilization using MICP Technique by Inducing Microbes and Bacteria in Treating it	Published	May, 2022

Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Establishment of New Microbiology Lab	SAM Clinical Lab, Nehru Nagar, Coimbatore	Rs.10,000/-	Completed

Antibacterial assay	CDF Dept. Dr NGP ASC	Rs.5000/-	Completed
Antimicrobial analysis	Krishnammal College For Women,Coimbatore	Rs.6000/-	Completed

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	01
M. Phil.	03	-

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 First Place in Paper presentation on the topic Isolation and characterization of antimicrobial substances from <i>Parmotrema stuppeum</i> collected from western ghats,Tamilnadu" 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

<p>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”.</p>	<p>Shri Nehru Maha Vidhyalaya College of Arts and Science, Coimbatore.</p>	<p>2020</p>
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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 Am. 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 . 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, International 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 it’s 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, Tamilnadu, 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.
- 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.
- **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.
- **S. Senthil Prabhu** and Sivasubramaniam K, 2016: Antifungal activity of some plant extracts against fungal Phytopathogens, 14th IAAM conference Proceedings (ISBN), 161-162.
- 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.Renga Ramanujam,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.
- 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 *Trichoderma viridae* with chemical Fungicides in *Trendz in Biotech.*

Chapters Published in Edited Book

- 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 : 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

- **Senthil Prabhu S** and S.S. Sudha, Cytotoxic activity of Lichen collected from Western ghats, Tamil Nadu, India, DBT Sponsored International Conference on “ Convergeng 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, Depratment 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

Gene Bank Submissions

- Sudha,S.S., Karthic,R., Sowmya,T., Francis,M., Rengaramanujam,J. and SenthilPrabhu, S. Staphylococcus sp. MSK 2 16S ribosomal RNA gene, partial sequence. JX495946.
- Sudha,S.S., Karthic,R., Sowmya,T., Francis,M., Rengaramanujam,J. and Senthil Prabhu,S. Bacillus sp. MSK 3, 16S ribosomal RNA gene, partial sequence. JX495947.
- Sudha,S.S.,Karthic,R.,Sowmya,T.,Francis,M.,Rengaramanujam,J.andSenthilPrabhu,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.andSenthilPrabhu,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.andSenthilPrabhu,S.
- Brevundimonas sp. SMK 8, 16S ribosomal RNA gene, partial sequence. JX495952.

Conference / Seminar / Workshop/ Training / Events Organized

- 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, Department 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 **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, Department 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**, 22 - Feb-2020 organized Under DBT Star Scheme, 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**, on 05-Feb-2020 & 06-Feb-2020, Department of Information Technology 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.
- Organized 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**, on 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-Feb-2019 & 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**, organized by 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)** at D.N.G.P. Arts and Science College.

- Organizing member of 14th national conference of IAAM on **Transitional and Translational Scenarios in Biological Sciences** 09 – Sep- 2016 & 10– Sep- 2016, at 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, Coimbatore.
- 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, Coimbatore.
- 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**, on 22-Aug-2013 at 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, 07-Aug-2012 & 08-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**" held on 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**" held on 04- Aug-2010 & 05-Aug-2010 at Dr. N.G.P. Arts and Science College, Coimbatore.
- Organizing Member, **Bio entrepreneurship 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, 09-Sep-2009 & 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 held on 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, Organized by the Department of Microbiology and Social Work, Nehru Arts and Science College, Coimbatore, 18- Aug- 2007.

Participation in Workshop/ Training

- 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 from 02-03, March 2023.
- Workshop on “ Nuances on documentation process: research proposal, NAAC & NIRF, organized by TNSCHE, at Bharathiar university, 8th august 2022.
- Workshop on **Molecular Docking**, 20-Dec- 2021 to 22-Dec- 2021, organized by Department of Bioinformatics, Nirmala College for Women, Coimbatore.
- E Workshop cum Discussion forum on **High end characterization of Microalgae: Overcoming the Technological Barriers**, from 3-Mar- 2021 & 4-Mar- 2021, organized by TERI.
- Seven days online Workshop on **Revised NAAC Norms and Procedures** by St. Joseph’s College, Bengaluru from 7-Jan- 2021 to 15-Jan- 2021.
- Four days online Training course on **Mass Spectrophotometry and Proteomics** by Amazing Biotech Ltd., Chennai from 15-Jul- 2020 to 18-Jul- 2020.
- Three days online Training course on **Real Time PCR based Gene Expression and Pathogen detection** by Amazing Biotech Ltd., Chennai from 6- Jul- 2020 to 8- Jul- 2020.
- Five days online Training Course on Gel **based Proteomics** by Amazing Biotech Ltd., Chennai from 21-Jun- 2020 to 25-Jun- 2020.
- Workshop on **Biomedical Application in Translational Research** (BATR-2020) at Alagappa University (online Mode) from 18-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) at Agharkar Research Institute (ARI), Pune

From 21-May – 2018 & 28-May - 2018.

- Workshop on **Analysis of Spectral data** organized by center for research, D.N.G.P. Arts and science college, Coimbatore on 30- Jan-2017.
- Workshop on **The Art of Writing Research Paper**, 19- OCT-2015, Kongu Engineering College Erode.
- **Environmental Awareness Training Programme** on 02-Oct-2006 to 04-Oct-2006 at Anglade Institute of Natural History, Shenbaganur, Kodaikanal.
- One Day Hands on Workshop on **SPSS** on 13- Mar- 2010 at Dr. N.G.P. Arts and Science College, Coimbatore.
- CSIR Sponsored **Hands on Training in Herbal Drug Standardization using HPLC and HPTLC** on 19- Nov- 2010 at KMCH College of Pharmacy, Coimbatore.
- Two Days Workshop in **Bioinformatics tools and data bases** on 27-Nov- 2010 & 28-Nov- 2010 at Sai's Biosciences Research Institute Pvt Ltd., Coimbatore.
- National workshop on **Bioinformatics** held on 10-Jan- 2008 to 11-Jan- 2008 at Department of Biotechnology and Microbiology, Kannur University, Kerala.
- **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”, at Manonmaniam Sundaranar University, Tirunelveli, on 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 from 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 New Millennium, 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, Faculty of Life Sciences, 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 westernghats,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 at 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- an-2006 & 25- Jan-2006

Participation in Conference

International:

- International Conference on **Indian Rural public health and non-communicable disease** Organized by Dept. of Biotechnology, Hindusthan College of Arts and Science, Coimbatore on 03 – Oct-2015.
- International Symposium on **Public Health Emergency and Disaster Management** Organized by Dept. of Biotechnology, Hindusthan College of Arts and Science, Coimbatore on 03 – Oct-2015.

National:

- DBT sponsored National Conference on " **Changing Disease Profile: Challenges facing basic and translational research in India**" on 05-Oct-2016 & 06-Oct- 2016, organized by department of biochemistry, Dr. N.G.P. Arts and science college, Coimbatore.
- National Level conference of Indian Association of Applied Microbiologists **Sustainability, Challenges and Advances in Biological sciences** on 18-Dec-2015 & 19-Dec-2015 at Muthayammal College of Arts and Science, Namakkal.
- National Conference on **Emerging Education Models for 21st Century Learner (NCEEM- 2015)** on 01-Aug-2015 organized by 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**, held at 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, organized by Dept. of Hospital Administration, Dr. N.G.P. Arts and Science College, Coimbatore.

- NAAC Sponsored State level conference on **Achieving Academic Excellence through Internal Quality Assurance Cell (IQAC)** held on 09-Dec- 2011 & 10-Dec- 2011 at Dr. N.G.P. Arts and Science College, Coimbatore.
- National conference on "**Issues in higher Education**" held on 29-Oct-2010 at Dr. N.G.P. Arts and Science College, Coimbatore organized by Association of Principals of Colleges, Bharathiar University & UGC- Academic Staff College, Bharathiar University.
- National Conference on **Medicinal and Aromatic Plants for Public Health** held on 18- Sep- 2008 & 19- Sep- 2008 at Karunya University, Coimbatore.
- National Conference on **Environmental Challenges and Management (ECM-2007)** held on 8- 09- Mar-2007, organized by Department of Environmental Sciences, Bharathiar University, Coimbatore.

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** at department of biochemistry, Dr. N.G.P. Arts and science college, Coimbatore held on 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 held on 19- Dec-2014 to 20-Dec- 2014.
- National level seminar on **Current trends in Advanced Biological Research** held on 24- Jan- 2006 & 25- Jan- 2006 at Nehru Arts and Science College, Coimbatore.
- National Symposium on **Mechanisms of Microbial Pathogenesis** IISc Centenary Conference held on 10-Mar-2009 to 12-Mar-2009 at Department of Microbiology & Cell biology, Indian Institute of Science, Bangalore.

Participation in Orientation Programme / Short Term Courses

- NPTEL Online Certification program on **Accreditation and Outcome Based Learning**, by NPTEL, Aug-Oct 2022.
- Certificate Course on **HPLC Mass technology** Organized by Karunya Institute of Technology and Sciences, from 17- Feb-2021 to 20- Feb-2021.
- Two Weeks Comprehensive online **Patent Information Course** Organized by turnip Innovations, 2021.
- UGC Stride Training Programme on "**Excellence in research**" at Avinashilingam ,27 –Jan-2021 to 8- Feb- 2021.
- AICTE sponsored One Week Short Term training Programme on **Biotechnology and its application in Tribal areas** at Ballarpur Institute of Technology, 07- Dec- 2020 to 11- Dec- 2020.

- One Week Online Certificate Course on **Digital Teaching Techniques** by ICT Academy from 10th – 15- Aug- 2020.

Participation in Faculty Development Programme

- FDP on **Accreditation and Outcome Based Learning**, by NPTEL , 2022.
- UGC Approved Short training professional developmental program on **Implementation of NEP-2020 for University and College Teachers**, 21-29 September 2022.
- FDP , Journal writing on **How to publish a paper in UGC Care List journals**, 2nd September 2022, SSSS jain college for Women
- ATAL FDP Program on **Drug Engineering through Bioprospecting** by Department of Biotechnology, Dr NGP Arts and Science College from 12- Jul- 2021 to 17- Jul- 2021.
- National level FDP Program on **Strategic Resilience and Organizational Agility** by 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** by The Oxford College of Engineering, Bengaluru , 29-Mar-2021 to 30-Mar-2021.
- Online FDP Program on **Good Governance in College** by 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** (Online mode) by 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** by Department of Management, PKR College of For Women, Gobichettipalayam, Erode ,04 -May to – 2020 to 04 -May to – 2020 .
- One Week FDP Program on **Quality Initiatives in Higher Education** by 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- 2020 to 20- Apr- 2020.
- Seven days FDP on **NAAC Revised Accreditation Frame Work and OBE Assessment Methodology**, Dr. N.G.P. Arts and Science College, Coimbatore, 27- May- 2019 to 02-Jun-2019.
- 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, Workshop on **Stereo and Inverted Microscope**, organized by Department of Microbiology, RVS College of Arts and Science, Erode, 21-Dec-2021.
- Resource person, Webinar on **The glory of fungi and its diversity**, organized by 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**, on 05-Feb-2020 & 06-Feb-2020. Department of Information Technology and Department 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**, Organized by 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**, Organized by 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** under DBT star scheme on 06- Feb- 2019 & 07- Feb- 2019 for Biotechnology department students.
- Resource Person, Special Lecture for Biochemistry and Microbiology students under DBT Star scheme on **Identification of Fungi**, on 28- Jun- 2018.
- Resource Person, Special Lecture for Biotechnology students under DBT Star scheme on **Identification of Fungi**, on 02- Jul- 2018.

Administrative Experience/ Post & Responsibilities Held

- **DBT Star Scheme -Department Coordinator** from 2018
- **Coordinator, Center for Research**, Dr. N.G.P. ASC from 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** – Since 2009, Dr. N.G. P. Arts and Science College
- **Member, Criterion IV & Verification member of NAAC documents**
- **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 Microbes for 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**
- **Sub Editor Robert Koch memorial Microbiology News Letter**, Dr. N.G.P. Arts and Science College, September 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 Microbiologists	Life - Time	-
Tamil Nadu State Science Forum (TNSF)	1 Year	2018-2019
Asian Council of Science Editors	Basic member	