

SRI SANKARA ARTS & SCIENCE COLLEGE

ENATHUR, KANCHIPURAM

STAFF PROFILE

DEPARTMENT OF MICROBIOLOGY



1.	Name of the Staff	Dr.G.Suresh
2.	Designation	Assistant Professor and Head
3.	Date of Joining	12.01.2012
4.	Mobile Number	+91 9786134142
5.	E-Mail ID	suresh@sankaracollege.edu.in , sureshmicrobes@gmail.com
6.	Nationality	Indian
7.	Academic Qualification	B.Sc., Microbiology M.Sc., Applied Microbiology Ph.D., Applied Microbiology-Biotechnology
8.	Field of Specialization	Microbial Biotechnology, Toxicology
9.	Ph.D Thesis Title	Evaluation of environmental impact and occupational hazards of chromium, bioremedial propensity and characterization of chromate reducing bacterial strains isolated from contaminated niches of Ranipet, Tamil Nadu.
	Awarding University, Year of Award.	University of Madras, 2012

10. Work Experience (in chronological order):

S.No.	Name of the Institution	Designation	Period
1	Department of Microbiology, Sri Sankara Arts and Science College, Enathur, Kanchipuram	Assistant Professor and Head	June 2012 to Till date
2	Department of Microbiology, Sri Sankara Arts and Science College, Enathur, Kanchipuram	Assistant Professor	January 2012 to May 2012
3	Department of Biotechnology, University of Madras, Guindy Campus	Teaching cum Research Fellow	June, 2008- May 2009
4	Ordain Health Care Private Limited, Chennai	Microbiologist	June 2006- September 2007

11. Other Academic and Administrative Responsibilities:

S.No.	Name of the Institution/Committee	Position	Period
1	Sri Sankara Arts and Science College	Chairman, Board of Studies in Microbiology	2015 to till date
2	University of Madras	Member, Board of Studies in Microbiology (Common)	2018 to 2024
3	Sri Sankara Arts and Science College	Member of Academic Council	2015 to till date
4	University of Madras St. Joseph's College of Arts & Science (Autonomous) DKM College for Women, Vellore (Autonomous) Adhiparasakthi College of Arts and Science, Kalavai (Autonomous)	Board of Examiner in Microbiology	2014 to till date
5	Thiruvalluvar University	Question Paper Setter Committee	2015 to till date
6	Sri Sankara Arts and Science College	Member of Anti ragging Committee	2012 to till date
7	Sri Sankara Arts and Science College	Member College Library Committee	2012 to till date
8	Sri Sankara Arts and Science College	Member, College Discipline Committee	2012 to till date
9	Sri Sankara Arts and Science College	Member, Stock Verification Committee	2014 to till date
10	Sri Sankara Arts and Science College	Rectified Spirit License incharge	2015 to till date

11	Sri Sankara Arts and Science College	Convenor, Attendance Committee	2016 to 2017
12	Sri Sankara Arts and Science College	Member, Autonomous Steering Committee	2013 to till date
13	Sri Sankara Arts and Science College	Member, NAAC Steering Committee	2018 to till date
14	Tamil Nadu Public Service Commission	Chief Invigilator	2016 to 2025

12. Publications:

RESEARCH PUBLICATION

- Kavitha, K., Yuvaraj, U., Rajalakshmi, A., **Suresh, G.**, Harini, M., Prabakaran, V., Bharathi, S., Puvanakrishnan, R., & Ramesh, B. (2025). Antibacterial Activity, GC MS Analysis and In Silico Validation of Bioactive Compound from Endophytic Fungus *Lasiodiplodia pseudotheobromae* EF-9. **Chemistry & biodiversity**, 22(3), e202401448. <https://doi.org/10.1002/cbdv.202401448> **WILEY-VHCA AG Impact factor: 2.4**
- Nainangu, P., K, K., Subramanian, K., **Gopal, S.**, & Antonyraj, A. P. M. (2025). Characterization of Bioactive Metabolites in *Phormidium* sp. PB21: Pigment Production, Antimicrobial Potential, and Toxicity Assessment. **Chemistry & biodiversity**, 22(7), e202403415. <https://doi.org/10.1002/cbdv.202403415>. **WILEY-VHCA AG Impact factor: 2.4**
- Bharathi S, Kumaran S, Saravanan P, **Suresh G**, Reshma S, Sundararajan G, Lakshmipathy R (2024) Harnessing the potential of marine bacteria: Production, kinetics, and characterization of bacterial nanocellulose, **Biocatalysis and Agricultural Biotechnology**, Volume 58, 103156, <https://doi.org/10.1016/j.bcab.2024.103156>. **ELSEVIER Impact factor: 4**
- Deepa C, Bharathi S, Devagi P, Sivasankari B, Prakash U, Kavitha K, **Suresh G**, Rajalakshmi A, RameshB, Gajapathi B (2024) Development of a Synergistic Nanomaterial Scaffold Combining Silver Nanoparticles, Collagen, and Doxycycline for Enhanced Scar-Free Skin Regeneration . *Cureus* 16(7):e64875. doi:10.7759/cureus.64875.55. **SPRINGER Impact factor: 1.2**
- Rajalakshmi A, Ramesh M, Abirami RST, Kavitha K, **Suresh G**, Prabakaran V, Puvanakrishnan R, Ramesh B (2024) Discovery of antibacterial biogenic magnetosome nanoparticles from *Providencia* sp. MTBPRB-1: Screening, purification and characterization. **J Biosci.** 49:54. DOI: <https://doi.org/10.1007/s12038-024-00440-z>. **IAS Impact factor: 2.7**
- Harini M, Kavitha K, Prabakaran V, Krithika A, Dinesh S, Rajalakshmi A, **Suresh G**, Puvanakrishnan R, B Ramesh (2024) Identification of apigenin-4'-glucoside as bacterial DNA gyrase inhibitor by QSAR modeling, molecular docking, DFT, molecular dynamics, and in vitro confirmation studies. **J Mol Model** 30, 22. <https://doi.org/10.1007/s00894-023-05813-z>. **SPRINGER Impact factor: 2.2**
- Kavitha K, Bharathi S, Rajalakshmi A, Ramesh M, Padmini P, **Suresh G**, Guruchandran V, Prakash M, Puvanakrishnan R and Ramesh B (2023) Selenium nanoparticles stabilized by fungal chitosan with antibacterial activity – synthesis and characterization. **Particulate Science and Technology**. DOI: <https://doi.org/10.1080/02726351.2023.2237438>. **TAYLOR & FRANCIS Impact factor: 2.5**

8. Kavitha K, Bharathi S, Kumaran S, Ponmozhi M, **Suresh G (2023)**. Exploration of phyto-beneficial traits of halophilic rhizobacteria isolated from the mangrove halophyte *Avicennia marina*. **Archives of Phytopathology and Plant Protection**, 56(18), 1450–1466. <https://doi.org/10.1080/03235408.2023.2291844>. TAYLOR & FRANCIS **Impact factor: 1.0**
9. Sumithra D, Bharathi S, Kaviyarasan P and **Suresh G (2023)** Biofabrication of Selenium Nanoparticles Using Marine *Streptomyces* sp. and Assessment of Its Antibacterial, Antibiofilm, Antioxidant, and In Vivo Cytotoxic Potential, **Geomicrobiology Journal**, 40:5, 485-492, DOI: <https://doi.org/10.1080/01490451.2023.2196280> TAYLOR & FRANCIS **Impact factor: 2.5**
10. Anjukam E, Ramesh M, Rajalakshmi A, Kavitha K, Prakash M, **Suresh G**, Puvanakrishnan R and Ramesh B (2023). Molecular characterization of potent antibacterial compound 4-(3-methylazetidino-1-yl)pentan-2-ol from *Calophyllum inophyllum* seed oil. **Biocatalysis and Agricultural Biotechnology**. 47: 102617. DOI: <https://doi.org/10.1016/j.bcab.2023.102617> . ELSEVIER **Impact factor: 4**
11. Perianaika Anahas AM, Kumaran S, Kandeel M, Muralitharan G, Silviya J, Adhimoolam GL, Panagal M, Pugazhvendan SR, **Suresh G**, Aruni AW, Rethinam S, & Prasannabalaji N (2021). Applications of Natural Violet Pigments from Halophilic *Chromobacterium violaceum* PDF23 for Textile Dyeing with Antimicrobial and Antioxidant Potentials. *Journal of Nanomaterials*, 2022(1), 3885396. <https://doi.org/10.1155/2022/3885396>. WILEY **CiteScore (Scopus): 6.1**
12. **Suresh G**, Balasubramanian B, Ravichandran N, Ramesh B, Kamyab H, Velmurugan P, Vijaiyan Siva G, Veera Ravi A (2021) Bioremediation of hexavalent chromium-contaminated wastewater by *Bacillus thuringiensis* and *Staphylococcus capitis* isolated from tannery sediment. *Biomass Conversion and Biorefinery*. <https://doi.org/10.1007/s13399-020-01259-y> SPRINGER **Impact factor: 4.050**
13. Chitrikha Suresh T., Poonguzhali T. V., Anuradha V., Ramesh B. and **Suresh G.** (2021) Aqueous Extract of *Turbinaria conoides* (J.Agardh) Kützing Mediated Fabrication of Silver Nanoparticles used against Bacteria Associated with Diabetic Foot Ulcer. **Materials Today: Proceedings**. Volume 43, Part 5, 2021, Pages 3038-3043. **ELSEVIER Impact factor: 1.54**
14. Deepa C., **Suresh G.**, Devagi P., Kowsalya A., Kavitha K., Ramesh B. (2021) Evaluation of the Antibacterial activity of Silver Nanoparticles, Doxycycline, Collagen and their amalgamation - an in vitro study. **Materials Today: Proceedings**. Volume 43, Part 5, 2021, Pages 3050-3053. **ELSEVIER Impact factor: 1.54**
15. Kumaran S, Antonyraj APM, Prasannabalaji N*, Pugazhvendan SR, RajaSekar T, Balamurugan S, Bharathi S, **Suresh G**, Guru Prasad S, Praveen Kumar El, Balasubramaniyan B and Wilson A (2020) Novel Coronavirus (Covid-19): A Review on Epidemiology, Pathophysiology, Molecular Mechanism, Therapeutic Evidence and Preventive Measures. **Oriental Journal of Chemistry**. 36(4) 2020. 621-631.
16. Prasannabalaji N, Anahas PMA , Kumaran S, Sowparthani K , **Suresh G**, Pugazhvendan SR, Wilson AA. (2020) In vitro screening of antimicrobial, antioxidant, cytotoxic activities, and characterization of bioactive substances from freshwater cyanobacteria *Oscillatoria* sp. SSCM01 and *Phormidium* sp. SSCM02. **Biocatalysis and Agricultural Biotechnology**. 29 (2020) 101772 ELSEVIER **Impact factor: 0.983**

17. Bharathi S, Kumaran S, **Suresh G**, Ramesh M., Thangamani V., Pugazhvendan S. R., Sathiyamurthy K. (2020) Extracellular synthesis of nanoselenium from fresh water bacteria *Bacillus* sp., and its validation of antibacterial and cytotoxic potential. **Biocatalysis and Agricultural Biotechnology**. 27(2020). 101655 ELSEVIER **Impact factor: 0.983**
18. **Suresh G**, Kokila D, Suresh TC, Kumaran S, Velmurugan P, Vedhanayakisri KA, Sivakumar S, Ravi AV (2020) Mycosynthesis of anticancer drug taxol by *Aspergillus oryzae*, an endophyte of *Tarenna asiatica*, characterization, and its activity against a human lung cancer cell line. **Biocatalysis and Agricultural Biotechnology**. 24, 112-118. ELSEVIER
19. Santhiyaa R.V, Wilson A, **Suresh G**, Prasanna Balaji N, Bharathi S, Pugazhvendan SR, Rajasekar T, Karthikeyan DR, Kumaran S (2019) Applications of Feather Keratin Hydrolysate in Divergent Fields. **Bioscience Biotechnology Research Communications**. 12(4), 1072 – 1080.
20. Devagi P, Chitrikha TS, Sandhiyaa RV, Sairandhry M, Bharathi S, Velmurugan T, Radhakrishnan M, Sathiamoorthi T, **Suresh G** (2019) Actinobacterial-mediated fabrication of silver nanoparticles and their broad spectrum antibacterial activity against clinical pathogens. **Journal of Nanoscience and Nanotechnology**, 20 (5), 2902-2910. <https://doi.org/10.1166/jnn.2020.17440>. ASP **Impact factor: 1.354**
21. Kumaran S, Santhiyaa RV, Prakash U, Sivasankari B, Kokila D, Bharathi S, **Suresh G** (2018) Biosynthesis of silver nanoparticles using aqueous flower extracts of *Polianthes tuberosa* and their antibacterial and cytotoxicity activity. **International Journal of Research and Analytical Reviews**. 5 (4), 407-414.
22. Dinesh G, **Suresh G**, Bharathi S, Kotteswaran S, Anantha Jothi E, Pugazhvendan SR, Rajasekar T, Kumaran S (2018) Isolation and characterization of feather degrading bacteria from poultry waste. **International Journal of Research and Analytical Reviews**. 5 (4), 334-340.
23. Sivaraman S, Kumaran S, Bharathi S, **Suresh G**. (2018) Microbial Prevalence Inside the Shoes Worn by School Going Children in Kanchipuram, Tamil Nadu. **World Journal of Medical Science**. 15 (2): 76- 79, 2018. DOI: 10.5829/idosi.wjms.2018.76.79.
24. **Suresh G**, Raghu P, Prakash U, Chitrikha T Suresh, Kumaran S, Bharathi S, Selvendiran K, Poonguzhali TV. (2018) Screening of the Antibiotic Resistant Environmental Bacteria Isolated from Selected Niches in and Around Kanchipuram Town, India. **International Journal of Current Microbiology and Applied Sciences**. 7(6): 3665-3674.
25. Bharathi S, Suganya G, Prasanna Balaji N, Balamurugan S, **Suresh G**, Nalinasundari MS, Kumaran S and Rajasekar T (2018) Encapsulation and in vitro Drug Release Studies of Anti Tuberculosis Drug Using Chitosan Nanoparticles. **World Journal of Medical Science**. 15 (2): 76-79, 2018. DOI: 10.5829/idosi.wjms.2018.76.79.
26. Bharathi S, Kumaran S, **Suresh G**, Ramesh B, Nalina Sundari M.S., (2018) Phytosynthesis of Silver Nanoparticles using *Hygrophila Auriculata* Leaf Extract and assessment of their Antibacterial And Antioxidant Properties. **International Journal of Applied Pharmaceutics**

27. Sivakumar S, Anitha P, Ramesh B, **Suresh G**. (2017) Analysis of EAWAG-BBD pathway prediction system for the identification of malathion degrading microbes. **Bioinformation**. 13(3):73-77. doi: 10.6026/97320630013073 **Impact factor: 0.800**
28. **Suresh G**, Gunasekar PH, Kokila D, Prabhu D, Dinesh D, Ravichandran N, Ramesh B, Koodalingam A, Vijaiyan Siva G (2014). Green synthesis of silver nanoparticles using Delphinium denudatum root extract exhibits antibacterial and mosquito larvicidal activities. **Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy**. 127, 61-67. 10.1016/j.saa.2014.02.030. **ELSEVIER Impact factor: 2.536**
29. Ravichandran N, **Suresh G**, Ramesh B, Manikandan R, Choi YW, Vijaiyan Siva G (2014) Fisetin modulates mitochondrial enzymes and apoptotic signals in benzo(a)pyrene-induced lung cancer. **Molecular and Cellular Biochemistry**. 10.1007/s11010-014-1973-y. **SPRINGER Impact factor: 2.669**
30. Bharathi S, Kumaran S, **Suresh G**, Renuka PS (2014) Nanotechnology as a novel tool for aquaculture industry: A review. **World Journal of Pharmaceutical Science**. 2(9):1089-1096. **Impact factor: 0.453**
31. Kumaran S, Deivasigamani B, Dhayanithi NB, Rajasekar T, **Suresh G**, Renuka PS, Kumarappan A (2014) Immune response of shrimp (*Penaeus monodon*) against *Vibrios furnissii* pathogen. **Journal of Coastal Life Medicine**. 2(4): 281-286.
32. Latha S, **Suresh G** (2013) Studies on chitosan production from different fungal mycelium. **International Journal of Current Biotechnology**. 1(1):9-11.
33. **Suresh G**, Ravichandran N, Ramesh B, **Kavitha K**, Vijaiyan Siva G (2012) Evaluation of Cr(VI)-Reduction Potential of Indigenous *Bacillus megaterium* S19 Isolated from Cr(VI) Polluted Industrial Landfill. **Bhamathi Microbiology News Letter**. 2(1):3-11.
34. Kathiravan S, Raghunathan R, **Suresh G**, Vijaiyan Siva G (2012) Synthesis and antimicrobial activities of novel ferrocenyl dispiropyrrolidines and pyrrolizidines. **Medicinal Chemistry Research**. 21(10):3170-3176. **SPRINGER Impact factor: 1.277**
35. Suresh A, Muthu G, **Suresh G**, Premnath R, Gopinath P, Moses A, Srivani R (2012) Screening of antibacterial properties of Indian medicinal plants against multi drug resistant diabetic foot ulcer isolates. **International Journal of Phytopharmacology**. 3(2):139-146. **Impact factor: 1.020**
36. **Suresh G**, Ravichandran N, Ramesh B, Suresh A, Vijaiyan Siva G (2011) Isolation and characterization of chromium tolerant bacteria from chromium containing waste water. **Bioremediation, Biodiversity and Bioavailability**. 5: 22-27. (Indexed)
37. Ravichandran N, **Suresh G**, Ramesh B, Vijaiyan Siva G (2011) Fisetin, a novel flavonol attenuates Benzo(a)pyrene-induced lung carcinogenesis in Swiss albino mice. **Food and Chemical Toxicology**, 49:1141-1147. **ELSEVIER Impact factor: 3.778**

38. Pandi M, Rajapriya P, **Suresh G**, Ravichandran N, Manikandan R, Thiagarajan R, Muthmarry J (2011) A fungal taxol from *Botryodiplodia theobromae* Pat., attenuates 7,12 dimethyl benz(a)anthracene (DMBA)- induced biochemical changes during mammary gland carcinogenesis. *Biomedicine and Preventive Nutrition*, 1:95-102. **ELSEVIER**
39. Ramesh B, **Suresh G**, Ravichandran N, Vijaiyan Siva G (2011) Screening and isolation of potent biosurfactant producing *Bacillus subtilis* CS14 from contaminated soil samples of Kanchipuram, India. *Journal of Research in Biology*. 1:140-147.
40. Ramesh B, Kavitha K, **Suresh G**, Usharani B, Ravichandran N, Vijaiyan Siva G (2010) Studies on distribution of biosurfactant producing bacteria in contaminated and undisturbed soils of kanchipuram, *Australian Journal of Basic and Applied Sciences*. 4: 4429- 4434. **Impact Factor: 0.786**
41. Ramesh B, Vadivelu P, Kavitha K, **Suresh G**, Ravichandran N, Vijaiyan Siva G (2010) Antimicrobial peptide from *Euphlyctis hexadactylus* and its efficacy against plant pathogens, *International Journal of Current Research*. 6: 14-17.
42. **Suresh G**, Ramesh B, Kavitha K, Ravichandran N, Suresh A, Gopalakrishnan V, Vijaiyan Siva G (2010) Preliminary screening of antibacterial compounds from palar river basin flora, *Journal of Phytology*. 2: 24-29.

BOOK PUBLICATION

G.Suresh, S.Kumaran and K.Kavitha (2017) Workshop on Diagnostic Microbiology in Collaboration with Himedia – LAMBERT Academic Publishing.

13. Sequence Deposited in NCBI-GenBank

- SUB15201412 – Prokaryotic 16S rRNA / SB07F *Streptomyces albogriseolus*- Accession No: **PV382515**.
- SUB15201441 – Prokaryotic 16S rRNA / KS3 *Novosphingobium capsulatum*-Accession No: **PV405374**.
- SUB15195794 – Prokaryotic 16S rRNA / SB007F *Achromobacter xylooxidans*- Accession No: **PV390845**.
- SUB15203895 - Prokaryotic 16S rRNA/ PS9F *Enterobacter cloacae*- Accession No: **PV405237**.
- SUB15205320 – Prokaryotic 16S rRNA / ES3F *Pseudomonas laurentiana* Accession No: **PV395389**.

14. Membership in Professional Bodies:

EDITORIAL

EDITORIAL BOARD

Bhamathi Microbiology News Letter, ISSN: 2231-136X from June 2012 Issue
International Journal of Current Biotechnology, ISSN: 2321-8371 from 2012

JOURNAL PEER-REVIEW ACTIVITIES

Applied Organometallic Chemistry (John Wiley & Sons)
Bioinformation (Biomedical Informatics)
Particulate Science and Technology (Taylor & Francis)

Journal of Advanced Research

Journal of Mosquito Research (Sophia Publishing Group Inc)

Journal of Biochemical and Molecular Toxicology (Wiley Periodicals, Inc.)

Toxicology Mechanisms and Methods (Taylor & Francis)

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (Elsevier)

Toxicology Reports (Elsevier)

Chemosphere (Elsevier)

15. Seminars Conferences organized /Participation:

Sl. No.	Name of the event	Place/dates	Title of the paper presented
1	RABT-2025	School of Life Sciences, Thiruvallur University, Vellore, India, August 13-14, 2025.	Participated
2	NCMDBT	Department of Microbiology, Sri Sankara Arts and Science College, Kancheepuram, India, February 06-07, 2025.	Organized
3	ICAN3	School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai, India, August 9-10, 2023.	Participated
4	Scientific Input, Technological Advancement, and Women Empowerment for Sustainable Development	Kongunadu Arts and Science College (Autonomous), Coimbatore, Tamil Nadu, India, 2023.	Participated
5	CRMSC-2021	Department of Chemistry and Biosciences, School of Basic Sciences, Manipal University Jaipur, India, January 11-12, 2021.	Participated
6	Workshop on The Arts of Writing Winnable Project Proposals	Department of Biotechnology, Sri Sankara Arts and Science College, Enathur, Kanchipuram, 12 th July 2019	Participated
7	ONCOCON 2019	Meenakshi Medical College and Hospital, Enathur, Kanchipuram, 19 th October 2019	Special Invitee

8	National Conference on Microbial Diseases: Emerging trends	Department of Microbiology, PGIBMS, University of Madras, Chennai, 13-14 th November, 2018	Participated
9	National Conference on Emerging trends in Viral Disease”	Department of Microbiology, PGIBMS, University of Madras, Chennai, 14 th February, 2018	Studies on Therapeutic Efficacy of Fungal Taxol, an Anticancer Drug Isolated from Endophytic Fungi with Special Reference to Lung Cancer
10	National Conference on “ Bioactive Marine natural Products and therapeutic applications”	Sathyabama Institute of Science and Technology (Deemed to be University, Chennai, 24-25, January, 2018	Participated
11	National Symposium on Recent Senario of Environmental Pollution in India	Department of Zoology, Thiruvalluvar University, Vellore, 5 th October, 2017	Studies on chromium Induced Skin Ulcer of Tannery Workers of Ranipet.
12	Seminar on Bioentrepreneurship and funding opportunistic	Department of Biotechnology, Sri Sankara Arts and Science College, Eanthur, Kanchipuram, 8 th September, 2017	Acted as Judge for Poster Presentation.
13	International Conference on Biotechnology and its application in aquaculture and fisheries.	Center for Advance studies in Marine Biology, Annamalai University, Chidambaram, 23-25 August, 2017	Participated
14	2 nd National Conference on Emerging trends in chemistry and Materials” (ECTM 2017)	Department of Chemistry, Thiruvalluvar University, Vellore, 10-11 th August, 2017	Participated
15	National Seminar on Biomarkers in Clinical Research	Department of Biochemistry, Sri Sankara Arts and Science College, Eanthur, KAnchipuram, 8 th March 2017	Participated
16	International Conference on Recent Advances in Bioresource and Technology (RABT 2017)	Department of Biotechnology, Thiruvalluvar University, Vellore, 15-17 th February, 2017.	Green Synthesis of Silver Nanoparticules using aqueous extracts of <i>Delphinium denudatum</i> and their Antibacterial Activity
17	National Conference on Transitional and Translational scenarios in Biological Science (IAAM 2016)	Department of Microbiology, Dr.NGP College of Arts and Science, Coimbatore, 10 th September, 2016.	Participated

18	National Symposium on current advances in Immunology Research	Center for Advance studies in Marine Biology, Annamalai University, Chidambaram, 07-08 August, 2015	Participated
19	Training Program for Secondary Grade Science Teacher	Jointly organized by Tamil Nadu State Council for Science and Technology and Pachiyappas College for Men, Kanchipuram, 27-31, July 2015.	Recourse person and Delivered a Special Lecture
20	International Conference on Nanobio and Biomimetic Materials and its Applications	Department of Bioscience, Hindustan Arts and Science College, Chennai, 27-28 February, 2014	Participated
21	National Level seminar cum Workshop on “Application of Green technology for Separation of Bioproducts”	Karpaga Vinayaga College of Engineering and Technology, 22-23th Aug 2013.	Participated
22	National Conference on Changing Etiology of Emerging Infectious Diseases	Department of Microbiology, PGIBMS, University of Madras, Chennai, 6 th February, 2013	Participated
23	Microsparks 2013	Department of Microbiology, Jaya Arts and Science College, Chennai, 26 th February, 2013	Participated
24	National conference on biological waste water treatment towards green environment	National Institute of Technology, Calicut, India (2011)	Assessment of cr^{6+} reduction propensity in cytosolic extracts of <i>Bacillus megaterium</i> S19 isolated from cr^{6+} contaminated landfill
25	11 th Sir Dorabji Tata Symposium. Diagnostic in Infections	Indian Institute of Science, Bangalore, India. (2010)	Study of chromium induced ulcer lesion from tannery workers of Ranipet – Tamilnadu,
26	International symposium on Environmental pollution, Ecology and human Health	S. V University, Tirupati, India (2010)	Chromium tolerant bacterial communities from tannery effluents (CETP) Ranipet
27	IISC Centenary conference – Mechanisms of Microbial Pathogenesis	Indian Institute of Science, Bangalore, India. (2009)	Mode of action of Delphinium denudatum (Dd) wall extract against <i>Curvularia lunata</i>

28	National Seminar on “Application of Genomics and Bioinformatics in Animal Health and Management	Alagappa University, Tamil Nadu, India (2009)	Participated
29	International Colloquium on “Emerging Biotechnologies in Agriculture and animal Health productivity	Alagappa University, Tamil Nadu, India (2009)	Participated
30	National conference on New frontiers and current trends in biotechnology	Department of Biochemistry, University of Madras (Oct 2008),	Participated
31	One-day seminar on “Herbal Analysis and Applications”	Centre for Herbal Science (2008) University of Madras, Chennai, India	Participated
32	“One Day Workshop on Instrumental Methods of Analysis”	Vellore Institute of Technology, Vellore Tamil Nadu. (2006)	Participated
33	First National Seminar on Microbiology	Asan Memorial College of Arts and Science, Chennai, India. (Feb 2006)	Participated
34	National Symposium on “Recent Trends in Microbial Biotechnology”	Sri Sankara Arts and Science College, Kanchipuram, India(Dec 2005)	Participated
35	National Level Seminar “Sizzling Microbes”	DKM College for Women, Vellore, India (Jan 2005)	Participated
36	National conference on “Medical Plant Chemistry”	Nallamuthu Guonder Mahalingam College, Pollachi, Tamil Nadu. (2005).	Participated
37	State level Symposium on “HI-Tech and Instrumentation in Medical Laboratory Technology for Diagnosis of Human Diseases”	(Dec 2004) Loyola college (Autonomous) Chennai	Participated
38	National Symposium on “Recent Trends in Microbial Biotechnology”	(Dec 2003), Sri Sankara Arts and Science College, Kanchipuram, India	Participated

39	BIOEXPO 2003 – State Level Workshop on Instrumental Techniques in Biotechnology	(Jan 2003) D.G Vaishnav college, Chennai, India.	Participated
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CONFERENCES/SYMPOSIA/WORKSHOPS ORGANIZED

NAME OF THE EVENT	DATES	ROLE
Student Induction Programme (SIP) for 2019-2020	8 th July 2019	Coordinator
One day Seminar on Cholesterol Metabolism and Probiotics: a Friend or Foe	20 th Sep, 2018	Organizing Secretary
Laboratory hands on Training and Work shop on Immuno-Histochemistry	17-18, Sep, 2018	Organizing Secretary
National Conference on “Clinical Applications of Biomaterials”	22 nd Feb, 2018	Organizing
National Level Workshop on “Diagnostic Microbiology”	25-26, Sep, 2017	Organizing Secretary
2 nd National Conference on “Frontiers in Translational Microbiology”	28-19 th , Jan 2016	Organizing Secretary
1 st National Conference on “Frontiers in Translational Microbiology”	8 th , Jan 2015	Organizing Secretary
“ELIXIR 2013” Science Exhibition for School Students.	10-11 th , Oct, 2013	Member Organizing Committee

“ELIXIR 2012” Science Exhibition for School Students.

10-11th, Oct, 2012

Member Organizing Committee

ASTRA 2011-2012 (Application of Science and Technology in Rural Areas). The event was supported by Tamil Nadu State Council for Science and Technology, Chennai, India

20-25th, Feb, 2012

Member Organizing Committee

16. Participated as Resource Person:

S.No.	Program	Venue	Period
1	Recourse person and Delivered a Special Lecture. Training Program for Secondary Grade Science Teacher	Jointly organized by Tamil Nadu State Council for Science and Technology and Pachiyappas College for Men, Kanchipuram.	27-31, July 2015.
2	NSS Special Camp	Enathur Govt School	28.01.2016
3	Acted as Judge for Poster Presentation. Seminar on Bioentrepreneurship and funding opportunistic	Department of Biotechnology, Sri Sankara Arts and Science College, Eanthur, Kanchipuram,	8 th September, 2017

17. Mentoring:

M.SC., APPLIED MICROBIOLOGY DISSERTATION

1. **Ms. J. Nithya** “Assessment of Microbial Load of Drinking Water Reservoir Tributaries after Extreme Cyclone Thane in Puducherry, India” (2012)
2. **Ms. R. Rekha** “Detection and Enumeration of Coliforms in Drinking Water from in and around Ranipet Town, Tamil Nadu, India.” (2012)
3. **Mr. P.H.Guna Sekar** “Biosynthesis of silver nanoparticles using aqueous solution of *Delphinium denudatum* root extract and characterization of their antibacterial and mosquito larvicidal activity” (2013)
4. **Mr. S. Sivaraman** “Microbial prevalence inside the shoes worn by school going children in Kanchipuram.” (2013)
5. **Ms. D.Kokila** “Biosynthesis of silver nanoparticles using aqueous solution of *Polianthes tuberosa* root extract and characterization of their antibacterial and cytotoxicity activity” (2014)
6. **Mr.M.Ramesh** “Biosynthesis of silver nanoparticles using bacterial pigment extract and characterization

of their antibacterial and mosquito larvicidal activity” (2015)

7. **Ms.B.Sivasankari** “Evaluation of the Antibacterial Effect of Silver Nanoparticles, Doxycycline, Collagen and their amalgamation – an in vitro study” (2016)
8. **Mr. P.Raghu** “Screening of the Antibiotic Resistant Environmental Bacteria Isolated from Selected niches in and around Kanchipuram Town” (2017)
9. **Mr.U.Prakash** “Studies on Therapeutic Efficacy of Fungal Taxol an Anticancer Drug Extracted from Entophytic Fungi Isolated in the Medicinal Plants” (2017)
10. **Ms.M.Priyanka** “Evaluation of Antibacterial and Mosquito Larvacidal Activity of Crude Extract of Seaweed *Sargassum wightii*. (2018)
11. **Ms. Mohan Sairandhry** “*Streptomyces spongiicola* AS-3 Mediated Synthesis of Silver Nanoparticles and their Antibacterial Activity” (2018).
12. **Ms.P.Devagi** “Impact of Silver Nanoparticles and crude extract of *Streptomyces spongiicola* on wound healing of freshwater fish, *Danio rerio*” (2019).
13. **Ms.M.Anbupriya** “Biosynthesis of Silver Nanoparticles using Aqueous Leaf Extracts of *Ipomoea sepiaria* and their Antibacterial and Antifungal activity.” (2020).
14. **Ms.S.Kalaiselvi** “Production of Biomanure using College Organic Wastes and Enhance the Growth of *Mentha spicata* and *Capsicum annum*” (2020).
15. **Mr.R.Daniel** “Biological Decomposition of College Organic Wastes for the Production of Stabilized Organic Biomanure and Enhances the Growth of Indian Broad Bean and Brinjal” (2020).
16. **Ms. J. Jothika** “Optimization of medium components for the production of antimicrobial and wound healing compounds from secondary metabolites of *Streptomyces spongiicola*” (2021).
17. **Ms. Rogini** “Impact of phytochemical from *Delphinium denutatum* and wound healing of fresh water fish *Danio rerio*” (2021).
18. **M. Saranya** “Phytochemical screening and antioxidant effect of *Pleurotus ostrealus*” (2021).
19. **M. Sonia** “Ethanol extract of *Ulva lactuca*: Determine antibacterial and wound healing efficacy of *Danio rerio* fresh water fish” (2021).
20. **K. Bhavani** “Biosynthesis of bromelain mediated silver nanoparticles using *Ananos comocus* and it’s antibacterial activity and cytotoxicity activity” (2022).
21. **A. Logeshwari** “Green synthesis of silver nanoparticles using *Ricinus communis* laf extract and their antibacterial activity and cytotoxicity activity” (2022).
22. **A. Priyanka** “Biosynthesis of silver nanoparticles using Actinobacteria and evaluating it’s antibacterial activity and cytotoxicity activity” (2022).
23. **Mr.U.Umasankar** “Screening of Antimicrobial Activities, Phytochemical Analysis, Histopathological Analysis

and Thin Layer Chromatography, from the Seaweed extract of *Halymenia porphyroformis* (Red Seaweed)" (2023).

24. **Ms. Aswathi** "Screening of Antimicrobial Compounds from Ethanolic extracts of *Rivina humilis* fruit and their Characterization" (2023).
25. **Ms. M. Mageshwari** "Phytochemical Screening, Antibacterial And Wound Healing Activity Of Marine Macroalgae *Sargassum wightii* From The Gulf Of Mannar, Rameshwaram" (2023).
26. **Ms. G. Sowmiya** "Evaluation of Antimicrobial, Antibiofilm Properties Of Silver Nanoparticles, Collagen, Doxycycline And Their Combination" (2023).
27. **Ms. K.Swathi** "The effect of Antimicrobial Activity, Phytochemical Analysis, and Thin layer chromatography from the plant leaves extract of *Rivina humilis* (Blood berry)" (2023).
28. **Mr. V. Deepanraj** "Biological Potential Of Selenium Nanoparticles Synthesized From Red Algae *Halymenia Porphyroformis*: Characterization, Antibacterial Activity, Antioxidant Assay, And Anticancer Evaluation Against Lung Cancer- In Vitro Study" (2024).
29. **Mr. V. Muthu Avinash** "Characterization and antimicrobial activity of biogenic selenium nanoparticles" (2024).
30. **Mr. N.Saravanan** "Biosynthesis of AgNPs from the aqueous extract of *Sargassum wightii* and screened for their antibacterial and anticancer properties" (2024).
31. **Mr. M.Anandhi** "Isolation and Identification of Amylase-Producing Bacteria from Rice Mill Waste Dump Soil and their Application to Fabric Conditioning in the Textile Industry" (2024).
32. **Mr. S. Divya** "Isolation and identification of pigment-producing actinomycetes *Streptomyces albogriseolus* from rhizosphere soil and their application in the food industry" (2024).
33. **Mr. K.Kalpna**, "Study of the Synthesized AgNPs with *Carica papaya* Latex Extract's Antimicrobial, Anti- biofilm, and Wound-healing Properties" (2024).
34. **Ms. C. Gomathi**, "Isolation, Characterization and Bioactive Potential of *Streptomyces albogriseolus*: Antibacterial, Anticancer and Apoptotic Gene Expression Studies on The Breast Cancer Cell Line (Mda-Mb-231)" (2025).
35. **Ms. R. Hemalatha**, "Eco-Friendly Green Synthesis and Characterization of Feo Nanoparticles from *Anethum sowa* Extract for Antibacterial and Mosquito Larvicidal Applications" (2025).
36. **Ms. V. Kavitha**, "Biofertilizer Potential of *Novosphingobium capsulatum*: Enhancing Soil Fertility, Paddy Growth, and Stress Tolerance for Sustainable Agriculture" (2025)..
37. **Ms. D. Sharmila**, "Nano-Enabled Vector Control: Zinc Oxide Nanoparticles From *Chlorophytum tuberosum* in Herbal Mosquito Coil" (2025).

M.PHIL., MICROBIOLOGY DISSERTATION

1. **Mr.K.Selvendiran** "Superintendence of antimicrobial resistance observed in bacterial flora isolated from human urine samples in Kanchipuram, India" (2016)

2. **Ms. D.Kokila** “Studies on Therapeutic Efficacy of Fungal Taxol, an Anticancer Drug Isolated from Endophytic Fungi with Special Reference to Lung Cancer” (2016)
3. **Mr.E.Praveen Kumar** “Culturable Chromate Tolerant Bacteria: Isolation, Characterization and their Bioreduction” (2017)
4. **Ms.Roja** “Screening of Phytochemical and Antibacterial activity of seaweeds collected from Rameshwaram, Tamil Nadu.” (2018)
5. **Ms.U.Prakash** “Efficacy of silver nanoparticles mediated by *Turbinaria conoides* Seaweeds and its biomedical applications.” (2018)
6. **Ms.B.Sivasankari**, “Evaluation of the Wound Healing Efficacy of Silver Nanoparticles, Doxycycline, Collagen and their amalgamation” (2018)
7. **Ms. R.V.Santhiyaa**, “Wound healing efficacy of *Streptomyces spongiicola* crude extract on freshwaterfish, *Danio rerio*” (2019)
8. **Ms. A. Kowsalya**, “ Invitro antibacterial activity and phytochemical analysis of *Delphinium denudatum* wall extract in different organic solvents”(2021)
9. **Mr. M. Arunachalam** “Phytochemical and antibacterial compounds screening from *Rivina humilis* leaf extract and its biomedical uses” (2023)

Ph.D., MICROBIOLOGY (Guideship Ref No: NO: RP / Guideship /Ph.D / Approval /2019/920 dated 1st July 2019)

1. **Mrs. C. Deepa** “Formulation and Evaluation of *Delphinium denudatum* silver Nanoparticles mouthwash: Antimicrobial, Antibiofilm Activity Against Oral Pathogens and Wound Healing Efficacy of Human Gingival Fibroblasts Cell lines.” (Completed).
2. **Mrs. P. Devagi** “Development of Vaseline- Based Wound Healing Material Incorporating *Streptomyces Spongiicola*- Derived Silver Nanoparticles: A Study on Antibacterial, Antioxidant and Tissue Regeneration Potential” (Synopsis Submitted)
3. **Ms. N. Yogapriya** “The Potential of Microbial Metabolites in Therapeutic Purpose” (Ongoing)