

SRI SANKARA ARTS & SCIENCE COLLEGE

ENATHUR, KANCHIPURAM

STAFF PROFILE

PG AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY

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|-----------|--|--|
| 1. | Name of the Staff | Dr.B.Ramesh Ph.D., FLS., FRSB., |
| 2. | Designation | Professor & Head |
| 3. | Date of Joining | 26/06/2001 |
| 4. | Mobile Number | 9787088802 |
| 5. | E-Mail ID | brbioinfo@gmail.com |
| 6. | Nationality | Indian |
| 7. | Academic Qualification | M.Sc.,M.Phil., Ph.D., PGDBI, PGDIPL., NET., FLS., FRSB., |
| 8. | Field of Specialization | Microbial Biotechnology, Bioinformatics, Computer Aided Drug Design. |
| 9. | Ph.D., Thesis Title | Biotechnology - Isolation and characterization of Biosurfactant from soil micro-flora: Evaluation of the efficacy in irrigation water conservation |
| | Awarding University, Year of Award. | University of Madras, April, 2012. |

10. Work Experience (in chronological order):

| S. No | Name of the Institutions | Positions held | Temporary/ Permanent | Teaching | | Duration | |
|----------------------------------|---|----------------------------------|-------------------------|----------|----|-------------------|------------------|
| | | | | UG | PG | From | To |
| 1. | Dept. of Biotechnology Sri Sankara Arts & Science College, Kanchipuram | Professor & Head | Permanent | UG | PG | 06/10/2012 | Till date |
| 2. | Dept. of Biotechnology Sri Sankara Arts & Science College, Kanchipuram | Associate Professor & Head | Permanent | UG | PG | 01/07/2011 | 05/10/2012 |
| 3. | Dept. of Biotechnology Sri Sankara Arts & Science College, Kanchipuram | Assistant Professor & Head | Permanent | UG | PG | 01/06/2006 | 30/06/2011 |
| 4. | Dept. of Microbiology Sri Sankara Arts & Science College, Kanchipuram | Assistant Professor | Temporary | UG | PG | 16/07/2001 | 30/05/2006 |
| Total Teaching Experience | | | | | | 16/07/2001 | Till date |

11. Other Academic and Administrative Responsibilities:

| S. No | Positions held | Name of the Institutions | Duration | |
|-------|---|--|------------|-----------|
| | | | From | To |
| 1. | Dean (Academics) | Sri Sankara Arts & Science College | 1/07/2015 | Till date |
| 2. | Member, Governing Body | Sri Sankara Arts & Science College | 12/10/2015 | Till date |
| 3. | Member Secretary, Academic Council | Sri Sankara Arts & Science College | 12/10/2015 | Till date |
| 4. | Head of the Department | Dept. of Biotechnology Sri Sankara Arts & Science College | 01/06/2006 | Till Date |
| 5. | Deputy Warden | Sri Sankara Arts & Science College – Gents Hostel | 2003 | 2004 |
| 6. | Web Administrator | Sri Sankara Arts & Science College | 2005 | 2014 |
| 7. | Management Representative | ISO Internal Committee | 2009 | Till date |
| 8. | Coordinator | IQAC - Sri Sankara Arts & Science College | 2012 | 2014 |

12. Publications:

International:

1. Kuppuswamy Kavitha, Udhayakumar Yuvaraj, Arumugam Rajalakshmi, Gopal Suresh, Manoharan Harini, Vadivel Prabakaran, Selvaraj Bharathi, Rengarajulu Puvanakrishnan, Balasubramanian Ramesh (2024) Antibacterial activity, GC MS analysis and *in silico* validation of bioactive compound from endophytic fungus *Lasiodiplodia pseudothreobromae* EF-9. Chemistry & Biodiversity. e202401448 (Online Version). **Impact factor –2.3**
2. Chokkalingam Deepa, Selvaraj Bharathi, Poongazhalselvan Devagi, Baskaran Sivasankari, Umapathi Prakash, Kuppusamy Kavitha, Gopal Suresh, Arumugam Rajalakshmi, Balasubramanian Ramesh, Gajapathi Balaraman (2024) Development of a synergistic nanomaterial scaffold combining silver nanoparticles, collagen, and Doxycycline for enhanced scar-free skin regeneration. *Cureus*. 16(7): e64875. <https://doi.org/10.7759/cureus.64875> [Impact Factor: 1.1]
3. Arumugam Rajalakshmi, Manickam Ramesh, Rengarajan Sai Thanga Abirami, Kuppuswamy Kavitha, Gopal Suresh, Vadivel Prabakaran, Rengarajulu Puvanakrishnan, Balasubramanian Ramesh (2024) Discovery of antibacterial biogenic magnetosome nanoparticles from *Providencia* sp. MTBPRB-1: Screening, purification and characterization. *Journal of Biosciences*. 49(2): 54. **Impact factor – 2.9**
4. Harini, M., Kavitha, K., Prabakaran, V., Krithika, A., Dinesh, S., Rajalakshmi, A., Suresh, G., Puvanakrishnan, R., and **Ramesh, B.** 2024 Identification of apigenin-4'-glucoside as bacterial DNA gyrase inhibitor by QSAR modeling, molecular docking, DFT, molecular dynamics, and *in vitro* confirmation studies. *Journal of Molecular Modeling*. 30:22. **Impact factor – 2.2**
5. Thamarai Selvi, M.J., Rani, V., Padmavathy, P., Vijay amirtharaj, K.S., Mary Leema, J.T., Vennila, M., and **Ramesh, B** 2023 Optimisation of lutein production potential in marine biflagellate *Proteomonas sulcata* isolated from Indian coastal waters. *Regional Studies in Marine Science*. 103291. **Impact factor – 2.1**
6. Kuppuswamy Kavitha, Selvaraj Bharathi, Arumugam Rajalakshmi, Manickam Ramesh, Perumal Padmini, Gopal Suresh, Veerasamy Guruchandran, Mani Prakash, Rengarajulu Puvanakrishnan, and **Balasubramanian Ramesh** 2023 Selenium nanoparticles stabilized by fungal chitosan with antibacterial activity – synthesis and characterization. *Particulate Science and Technology*. **Impact factor – 2.5**
7. Elamaran Anjukam, Manickam Ramesh, Arumugam Rajalakshmi, Kuppuswamy Kavitha, Mani Prakash, Gopal Suresh, Rengarajulu Puvanakrishnan, Balasubramanian Ramesh 2023 Molecular characterization of potent antibacterial compound 4-(3-methylazetidino-1-yl)pentan-2-ol from *Calophyllum inophyllum* seed oil. *Biocatalysis and Agricultural Biotechnology*. 4:102617. **Impact factor – 4.0**
8. Manickam Ramesh, Kuppuswamy Kavitha, Arumugam Rajalakshmi, Elamaran Anjukam, Vadivel Prabakaran, Mani Prakash, Rengarajulu Puvanakrishnan, **Balasubramanian Ramesh**. 2022. 4a-methyl-dodecahydro-1H-pyrrolo[3,4-b]quinoline-6-one produced by endophytic fungi *Aspergillus niger* E12 obtained from *Dodonaea viscosa* plant leaves as a novel antibacterial compound. *Applied Biochemistry and Biotechnology*. 194 (11): 5132-5150. **Impact Factor - 3.094**
9. Arumugam Rajalakshmi, Elamaran Anjukam, Manickam Ramesh, Kuppuswamy Kavitha, Rengarajulu Puvanakrishnan, **Balasubramanian Ramesh**. 2022. A novel colorimetric

technique for estimating iron in magnetosomes of magnetotactic bacteria based on linear regression. *Archives of Microbiology*. 204:282. **Impact Factor – 2.667**

10. Arumugam Rajalakshmi, Manickam Ramesh, Ellappan Divya, Kuppaswamy Kavitha, Rengarajulu Puvanakrishnan, **Balasubramanian Ramesh**. 2021. Production and characterization of naturally occurring antibacterial magnetite nanoparticles from magnetotactic *Bacillus* sp. MTB17. *J Appl Microbiol*. 00:1–11. **Impact Factor –3.772**.
11. S.Bharathi, **B.Ramesh**, S.Kumaran,M.Radhakrishnan,D.Saravanan, P.Saravanan, S.R.Pugazhvendan and M.S.Nalinasundar 2021. Development of nano biomaterial for wound healing based on silver nano particles loaded on chitosan hydrogel. *3 Biotech* Springer link (12):490 **Impact Factor –2.406**
12. Gopal Suresh, Balamuralikrishnan Balasubramanian,Nagaiya Ravichandran, **Balasubramanian Ramesh**,Hesam Kamyab,Palanivel Velmurugan,Ganesan Vijaiyan Siva and Arumugam Veera Ravi.2021 Bioremediation of hexavalent chromium-contaminated wastewater by *Bacillus thuringiensis* and *Staphylococcus capitis* isolated from tannery sediment *Biomass Conversion and Biorefinery* volume 11, pages383–391. **Impact Factor – 4.987**
13. C. Deepa , G. Suresh , P. Devagi , A. Kowsalya , K. Kavitha , **B. Ramesh** 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 3050-3053. **Impact Factor –0.97**.
14. T. Chitrikha Suresh , T.V. Poonguzhali , V. Anuradha , **B. Ramesh** , G. Suresh .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 3038-3043 **Impact Factor – 0.97**.
15. Kuppasamy Kavitha, Subramaniam Sivakumar and **Balasubramanian Ramesh**.2020. 1,2,4 triazolo[1,5-a] pyrimidin-7-ones as novel SARS-CoV-2 Main protease inhibitors: In silico screening and molecular dynamics simulation of potential COVID-19 drug candidates. *Biophysical Chemistry* Volume 267, 106478. **Impact Factor - 1.995**.
16. **Balasubramanian Ramesh**, Govindababu Kavitha Sendurpandi GokiladeviRajagopal K. Balachandar,Kuppaswamy Kavitha.2020.Effect of Extremely Low Power Time- Varying Electromagnetic Field on Germination and Other Characteristics in Foxtail Millet (*Setaria italica*) Seeds. *Bioelectromagnetics* 00:1--14 (2020). **Impact Factor – 2.278**.
17. V.Guruchandran **and B.Ramesh** 2020.Effect of copper sulphate on *in vitro* shoot regeneration from shoot tip explant of *Stevia rebaudiana* bert. *Plant Archives* Vol. 20 Supplement 1, 2020 pp.702-704.
18. S. Balamurugan, B.Ramesh, K.Kavitha and V.Guruchandran, 2019. Design of novel microbial fuel cell and effect of humic acid on bioelectricity generation. *Asian Jr. of Microbiol. Biotech. Env. Sc.* 21(1): S269-S271.
19. S.Bharathi,S.Kumaran,G.Suresh,B.Ramesh and Nalina sundari.2018. Photosynthesis of silver nano particles using *Hygrophila auriculata* leaf extract and assessment of their antibacterial and antioxidant properties. *International journal of Applied Pharmaceutics*.10(6)12-118.

20. Subramaniam Sivakumar, Anitha, **Balsubramanian Ramesh** and Gopal Suresh, 2017. Analysis of EAWAG-BBD pathway prediction system for the identification of malathion degrading microbes. *Bioinformation* 13(3):73-77.
21. Kavitha, Kuppaswamy; Suganya, Arumugam; Rani, Kuppasamy Umaa; **Ramesh, Balasubramaniyan**, 2017. Screening and Partial Purification of Hydroxamate Type Siderophore from *Pseudomonas sp.* *Int. J. Curr. Microbiol. App. Sci.* 6(9);2380-2385.
22. Priyadharshini, S. R. E., Ramalingam, C., and **Ramesh, B.**, 2016. Superintendence of antimicrobial resistance observed in bacterial flora isolated from human faecal carriage in Vellore, India. **Saudi Journal of Biological Sciences**. Doi:10.1016/j.sjbs.2015.11.008
23. S. Esther Priyadharshini, C. Ramalingam and **B. Ramesh**, 2014. Designing a novel β -lactamase inhibitor by using QSAR and docking studies. *International Journal of Pharmacy and Pharmaceutical Sciences*. In Press. ISSN- 0975 – 1491. **Impact Factor -1.59.**
24. Gopal Suresh , Poosali Hariharan Gunasekar, Dhanasegaran Kokila , Durai Prabhu, Devadoss Dinesh , Nagaiya Ravichandran , **Balasubramanian Ramesh**, Arunagirinathan Koodalingam , Ganesan Vijaiyan Siva, 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: 61-66. ISSN: 1386-1425. Impact Factor: 2.00
25. Ravichandran N, Suresh G, **Ramesh B**, Manikandan R, Choi YW and Vijaiyan Siva G., 2014. Fisetin modulates mitochondrial enzymes and apoptotic signals in benzo(a)pyrene-induced lung cancer. *Molecular and Cellular Biochemistry*. Springerlink Epub ahead of print. PMID:24496750. ISSN: 0300-8177. . **Impact Factor: 2.329.**
26. M. Pratheeba, K. Umaa rani, and **B. Ramesh**, 2014. Studies on antimicrobial and anticancer activity of *solanum trilobatum*. *Asian Journal of Pharmaceutical and Clinical Research*. Vol 7, Suppl 1. 15 - 21. ISSN: 0974-2441. **Impact Factor: 0.700.**
27. M. Pratheeba, G. Rajalakshmi and **B. Ramesh**, 2013. Hepatoprotective and antibacterial activity of leaf extract of *solanum trilobatum*. *International Journal of Pharmaceutical Research and Bioscience*. 2(4): 17-28. ISSN: 2277-8713. Indexed. **Impact Factor: 0.525.**
28. **Balasubramanian Ramesh**, 2013. Assessment of Antimicrobial peptides from mucus of fish. *International Journal of Current Biotechnology*. 1(1): 5-8. ISSN: 2321 – 8371. Indexed. **IC Value: 4.74.**
29. S. Harikumar, **B. Ramesh**, U. Rajesh kumar and G. Ruthra moorthy, 2013. Biomaterials for tissue engineering applications – a review. *International journal of medicine and pharmaceutical sciences*. 3(2): 21-24. ISSN 2250-0049. indexed. **Impact Factor: 2.897.**
30. C. Vijayameena, G. Subhashini, M. Loganayagi and **B. Ramesh**, 2013. Phytochemical screening for bioactive compounds and assessment of antibacterial activity of *Annona muricata*. *International Journal of Current Microbiology and Applied Sciences*. 2(1): 1- 6. ISSN: 2319-7692. Indexed. Impact Factor: 0.32.
31. S. Harikumar and **B. Ramesh**, 2012. Direct transesterification of *Nitzschia subtilis* triglycerides for Biodiesel production: optimization studies. *Biotechnology Research Bulletin*. 1(2): 001-009. ISSN: 2319 – 1600. Indexed.
32. **Balasubramanian Ramesh**, Gopalakrishnan Suresh, Nagaiya Ravichandran and Ganesan Vijaiyansiva, 2011. Screening and isolation of potent biosurfactant producing *Bacillus subtilis* CS14 from contaminated soil samples of Kanchipuram, India. *Journal of Research in Biology*, 2: 140 -147. ISSN: 2231 – 6280, Indexed. IC Value: 5.09.
33. Nagaiya Ravichandran, Gopalakrishnan Suresh, Balasubramanian Ramesh and Ganesan Vijaiyan Siva, 2011. Fisetin, a novel flavonol attenuates benzo(a)pyrene-induced lung carcinogenesis in Swiss albino mice. *Food and Chemical Toxicology*, 49: 1141-1147. ISSN: 0278-6915, Impact Factor : 3.215, Hindex: 79.

34. Gopalakrishnan Suresh, Nagaiya Ravichandran, Balasubramanian Ramesh, Arumugam Suresh and Ganesan Vijaiyan Siva, 2011. Isolation and Characterization of Chromium-Tolerant Bacteria from Chromium-Containing Waste Water. *Bioremediation, Biodiversity and Bioavailability*. 5(1): 22-27. ISSN 1749-0596, Indexed.
35. B.Ramesh, V.Prabakaran, K.Kavitha, G.Suresh, N.Ravichandran and G.Vijaiyansiva, 2010. Antimicrobial peptide from *Euphylyctis Hexadactylus* and its Efficacy against Plant Pathogens. *International Journal of Current Research*. 6: 14-17. ISSN: 0975-833X, Indexed.
36. B.Ramesh, K.Kavitha, G.Suresh, B.Usharani, N.Ravichandran and G.Vijaiyansiva, 2010. Studies on distribution of biosurfactant producing bacteria in contaminated and undisturbed soils of Kanchipuram. *Australian Journal of Basic and Applied Sciences*. 4(9): 4429-4434. ISSN1991-8178, Hindex:10.
37. S.Sivakumar, B.Ramesh, K.Kavitha, V.Gopalakrishnan and V. Kanniyappan, 2010. Bitter Gourd (*Momordica charantia*) Peroxidase in decolorization of Dyes from Tannery Effluent. *Recent Research in Science and Technology*. 2(2): 49-53. ISSN: 2076-5061, Indexed.
38. G.Suresh, B.Ramesh, K.Kavitha, N.Ravichandran, A.Suresh, V.Gopalakrishnan and G. Vijaiyan Siva, 2010. Preliminary screening of antibacterial compounds from Palar river basin flora. *Journal of Phytology*. 2(2):24-29. ISSN: 2075-6240, Indexed.
39. M.Srikumar and B.Ramesh, 2008. Direct Transesterification of *Nelumbo Nucifera* triglycerides for Biodiesel Production: Optimization Studies. *International Seminar on Sustainable Utilization of Tropical Plant Biomass*. 1:135-139.

National

1. HemachandranVinothini and **Balasubramanian Ramesh**, 2017. Identification of Novel Inhibitor against UL42 Drug Target of Herpes SimplexVirus using Molecular Docking Studies. *Microbiology news letter*, 7(1):04-08. 2231-136X, Indexed.
2. Shanmugam Sabarinathan and **Balasubramanian Ramesh**, 2017. Identification of Potential Drug Target by *Bacillus subtilis* Using QSAR Studies. *Microbiology news letter*, 7(1):09-15. 2231-136X, Indexed.
3. Gandhi Dhivya and **Balasubramanian Ramesh**, 2017 Docking Studies for Inhibiting Influenza Virus from Neem (*Azadirachta Indica*) along with Standard Drug Chemicals. *Microbiology news letter*, 7(1):23-28. 2231-136X, Indexed.
4. V.Guruchandran, **B.Ramesh**, R.Velmurugan, C.Vijayameena and M.Janani, 2012. Cellulase production by *Aspergillus fumigates* in sawdust and bagasse. *Microbiology news letter*, 2 (2): 3-5. 2231-136X, Indexed.
5. C.Vijayameena, V.Guruchandran, M.Janani, K.Kavitha and **B.Ramesh**, 2012. Effect of Random mutagenesis on enhanced synthesis L-Asparaginase by *Fusarium solani*. *Microbiology news letter*, 2 (2): 6-10. 2231-136X, Indexed.
6. Gopal Suresh, Nagaiya Ravichandran, **Balasubramanian Ramesh**, Kuppusamy Kavitha, Ganesan Vijaiyan Siva, 2012. Evaluation of Cr(VI)-Reduction Potential of Indigenous *Bacillusmegaterium*S19 Isolated from Cr(VI) Polluted Industrial Landfill. *Bhamathi Microbiology news letter*, 2 (1): 3-11.2231-136X, Indexed.
7. Kuppusamy Kavitha and **Balasubramanian Ramesh**, 2012. Chitosan –A Wonder Material for Biomedical and Other Industrial Applications. *Bhamathi Microbiology news letter*, 2 (1):

18-23. 2231-136X, Indexed.

- 8 **B.Ramesh**, G.Suresh, N.Ravichandran and G.Vijaiyan Siva, 2011. Microbial biosurfactant for irrigation water conservation: An emerging trend. Bhamathi Microbiology news letter, 1 (2): 11-14. ISSN: 2231-136X, Indexed.
9. Kavitha, K. and **B.Ramesh**, 2011. Alkaliphiles and alkaline lipases: A new insight into an old enzyme. Bhamathi Microbiology news letter, 1 (2): 15-18. ISSN: 2231-136X, Indexed.

Book Publications:

1. Bioinformatics: Sequence Analyses and Drug Designing –Today Publications, Chennai -05, **ISBN: 9789380479187. Copyright Reg. No.L-36829/2010**
2. Bioinformatics: Databases and Programming Languages –Today Publications, Chennai -05, **ISBN: 9789380479194. Copyright Registration – Pending.Dy.No.1554/2010-CO/L.**
3. Biological Databases and Bioinformatics Programming: A Practical Approach –Mainspringer Publishers, Kanchipuram – 631501. **ISBN:9788192815749.**
4. Biological Sequence Analyses and Computer Aided Drug Designing - Mainspringer Publishers, Kanchipuram – 631501. **ISBN: 9788192815756.**

13. Awards /Distinction:

| S.No. | Name of the Award | Venue | Period |
|-------|--|--|--------|
| 1. | Elected as Fellow of Royal Society of Biology of London | Royal Society of Biology 1 Naoroji Street London WC1X 0GB, United Kingdom | 2024 |
| 2. | Elected as Fellow of the Linnean Society of London. | Linnean Society of London, Burlington House, Piccadilly, Mayfair, London W1J 0BF, United Kingdom. | 2020 |
| 3. | Best Teacher Award – 2011 | Sri Sankara Arts & Science College, Kanchipuram | 2011 |
| 4. | One among few members Trained in Capacity building on Coastal Biodiversity (East Coast) during - 2002 | Ministry of Environment & Forests, Govt. of India | 2002 |
| 5. | 9 th Rank in M.Sc Biotechnology - 1999 | University of Madras | 1999 |

14. Membership in Professional Bodies:

| S No. | Organization | Position | Duration |
|-------|---|------------------------|-------------------|
| 1. | ENVIS Database of University of Madras | Microbiology Expert | Life time |
| 2. | International Journal of Current Microbiology and Applied Sciences | Editorial Advisor | 2012-Till Date |

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|----|---|------------------|-------------------|
| 3. | Bhamathi Microbiology Newsletter published by “Vigyan Prathiba” – Association of Microbiologists. | Associate Editor | 2010-Till Date |
|----|---|------------------|-------------------|

15. Seminars Conferences organized/Participation:

| S.No. | Program Attended | Place | Organized/ Participated | Period |
|--------|--|---|----------------------------|---|
| 1 | International conference on "Interdisciplinary Approaches In Biological Sciences For Innovative Research" | Shrimati Indira Gandhi College, Tiruchirapalli | Presented | 27 th September, 2024 |
| 2 | International conference on "Current trends in Biotechnology" | Stella Maris College, Chennai | Presented | 11 th & 12 th September, 2024 |
| 3 | National conference on "Biotechnological Advances in Biomedical, Environmental and Agricultural Technology" | Hindustan College of Arts & Science, Chennai | Presented | 13 th February, 2024 |
| 4 | 2 nd International conference on "Molecular Basis of Cancer & Prevention" | PRIST University, Thanjavur | Presented | 7 th -8 th February, 2024 |
| 5 | International conference on "Unraveling therapeutic Resources from Nature's Treasure" | Mohamed Sathak College of Arts & Science, Chennai | Presented | 21 & 22 nd September, 2023 |
| 6 | International conference on "Research, Innovations and Entrepreneurial Venues - An Outlook" (ICAB - 2022) | PG Department of Biotechnology, Dwaraka Doss Goverdhan Doss Vaishnav college (Autonomous), Chennai | Participated | 19 th -20 th October, 2022 |
| 7 | National Science Academies Lecture Workshop on Biotechnology-Principles and Practice [Sponsored and supported by Indian Academy of Sciences (IASc)-Bengaluru, Indian National Science Academy (INSA)-New Delhi, The National Academy of Sciences, India (NASI)-Prayagraj] | Department of Biotechnology, Sri Sankara Arts and Science College (Autonomous) Enathur, Kanchipuram | Organized | 10 th -11 th August, 2022 |
| 8 9 | National level conference on "Applications of Computational Biology in Omics" | Department of Biotechnology, Sri Sankara Arts and Science College (Autonomous) Enathur, Kanchipuram | Convener | 11 th and 12 th October 2018 |
| 10 | BioEntrepreneurship and funding, oppertunities | Department of Biotechnology Sri Sankara Arts and Sciences college | Convener | 8 th September, 2017 |
| 11 | National level workshop on "Latest Technologies for Specially Abled Persons " | Sri Sankara Arts & Science College | Convener | FEB-28, 2017. |
| 12 | International Conference on "Recent Advances in Bioresource Technology – RABT 2017" | Thiruvalluvar University, Vellore. | Participated | 15th-17th February, 2017 |
| 13 | 14th IAAM National Conference on "Transitional and Translational Scenarios in Biological Science" | Department of Microbiology, Dr.NGP Arts and Science College, Coimbatore | Participated | 9th -10th September, 2016. |

International:

| Sl. No. | Name of the event | Place/dates | Title of paper presented |
|---------|--|--|--------------------------|
| 1 | International Conference on "Green Energy & Green Environment | Nadar Saraswathi College of Arts & Science, Theni – 21/01/2015 | Attended |
| 2 | International Conference on Recent Trends in Life Sciences "Biomic-13" | Auxilium College, Vellore – 362 006 12-13/12/2013 | Attended |

National:

| Sl. No. | Name of the event | Place/dates | Title of paper presented |
|---------|---|--|--------------------------|
| 1 | National Symposium on Current Advances in Immunology Research | Annamalai University 7-8/08/2015 | Attended |
| 2 | National Seminar on Emerging Trends in Medical and Environmental Biotechnology | Kanchi Shri Krishna College of Arts & Science, Kanchipuram. 06/03/2015 | Attended |
| 3 | National level Seminar cum Workshop on Applications of Green Technologies for Separation of Bioproducts | Karpaga Vinayaga College of Engineering and Technology 22-23/07/2013 | Attended |
| 4 | National Seminar on Recent Trends in Medical Microbiology | Kanchi Shri Krishna College of Arts & Science, Kanchipuram. 03/03/2012 | Attended |
| 5 | National Conference on Recent Scenario in Biological Innovations | Hindustan College of Arts & Science, Coimbatore 3-4/02/2011 | Attended |

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|--|---|---|---|
| | National Seminar on Environmental Protection and Sustainable Development. | Kanchi Shri Krishna College of Arts & Science, Kanchipuram. 18/02/2010 | Presented “Studies on Distribution of Biosurfactant producing bacteria in contaminated and undisturbed soils of Kanchipuram.” |
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Regional:

| Sl. No. | Name of the event | Place/dates | Title of paper Presented |
|---------|--|---|---|
| 1 | NSS Special Camp, Kanchipuram Dt. | NSS Units of Sri Sankara Arts & Science College, Kanchipuram. 15/12/2007 | Delivered a lecture on “Health and HIV” |
| 2 | Seminar on “Developing Self Esteem – Keeping Safe in HIV” | Red Ribbon Club, Sri Sankara Arts & Science College, Kanchipuram. 04/10/2007 | Delivered a lecture on “Health, Hygiene and HIV” |
| 3 | Seminar on Biotechnology | Rotary Club of Ambur 23/09/2006 | Delivered a lecture on “Future and Scope of Biotechnology” |
| 4 | Science Talent Promotion Scheme | Dept. of Zoology, University of Madras. May-1999 - June-1999 | Attended |

16. Participated as Resource Person:

| S.No. | Program | Venue | Period |
|-------|--|---|-------------------------|
| 1 | Delivered lecture on Biomagnetism and Magnetobiology’ in DST – PURSE Sponsored Two Days National Conference on RECENT TRENDS IN BIOTECHNOLOGY | University of Madras, Guindy Campus, Chennai. | 23rd & 24th March, 2017 |

17. Workshop & Training Programmes:

| S.No. | Program | Venue | Period |
|-------|-----------------------------------|---|----------------------|
| 1 | National Workshop on Metagenomics | Department of Marine Biotechnology, AMET, Kanathur, Chennai | 14/02/2020 |
| 2 | Microscopy and Photomicrography | Dept. of Microbiology, D.G.Vaishnav College | 27/09/2011 |
| 3 | Medical Transcription | Medilogistics, Chennai. | Nov-1999 to Apr-2000 |

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|---|--|---|--------------------------------|
| 3 | Science Talent Promotion Scheme | Dept. of Zoology, University of Madras. | May to June 1999 |
| 4 | Training in Bioinformatics | Gemeiosys Research Labs India Pvt. Ltd. | 20 th to 29/04/2004 |
| 5 | Programme on Identification of Flora and Fauna in Mangrove Ecosystems | Centre of Advanced Study in Marine Biology, Annamalai University. | 28 th to 06/09/2002 |

18. Projects Completed:

| S.No. | Name of the Projects | Period | Grant Received/Status |
|-------|---|--------------------------------|-----------------------|
| 1 | Isolation and characterization of magnetosomes from anti-corrosive magnetotactic bacteria | TNSCST (RFRS-2019-20) | Rs.3,00,000 |
| 2 | Application of Science and Technology in Rural Areas (ASTRA – 2011-12) - TNSCST | Completed during 20-25/02/2012 | Rs.1,20,000 |
| 3 | Antimicrobial and anticancer peptides from <i>Duttaphrynus melanostictus</i> - TNSCST | Sep, 2010 – Mar, 2011 | Rs.6000 |
| 4 | Screening and estimation of carcinogenic Benzo(a)Pyrene in commonly used FMCG products - TNSCST | Sep, 2011 – Mar, 2012 | Rs.6000 |
| 5 | Molecular characterization and secondary metabolite production of bioactive compounds by endophytic fungi isolated from sea weeds- TNSCST | Sep -2017 – Mar – 2018 | Rs.10,000 |
| | Isolation and characterization of magnetite nanoparticles from magnetotactic bacteria and determination of its antibacterial activity | Sep -2018 Mar – 2019 | 7500 |

| | | | |
|---|--|---|----------|
| 6 | Creation of scientific awareness for farmers, self help groups and students sponsored byTNSCST | 13 th to 15 th February 2019 | 1,15,000 |
| 7 | Molecular characterisation and | Sep -2019 Mar – 2020 | 7500 |

| | | | |
|---|--|---------|--------------|
| | bioactive secondary metabolite production by endophytic fungi from plants of ethanobotanical value sponsored by TNSCST | | |
| 8 | Google cloud COVID-19 Research Credit Programme sponsored by Google | 2020-21 | Rs. 1,18,000 |

19. Ongoing Events:

| S.No. | Title | Funding body | Amount |
|-------|---|--|-----------|
| 1 | National Level workshop on Computer-aided drug design and discovery (CADDD) | TNSCST – Partial Assistance for Seminar/Symposium/Workshop (2023-2024) | Rs.20,000 |

20. Any other Details:

- University of Madras recognized **Ph.D., Supervisor** - Guideship Ref No: NO: D.2/Ph.D GUIDE Recogn./2017/1082 dated 06/07/2017.

| S No. | Type of Skill | Nature of Proficiency |
|-------|--|---|
| 1 | Planning and Establishing biotech laboratory | Working experience in setting up and establishing the Biotechnology Laboratory worth of 1.5 crores in Sri Sankara Arts & Science College. |
| 2 | Proficient in computers and online tools | Teaching Advanced Diploma in Bioinformatics from 2003 to till date. Guided more than 110 bioinformatics Projects |
| 3 | Experienced in computer networking | Maintaining a network of 266 computers since 2006, in Sri Sankara Arts & Science College |
| 4 | Certified Medical Transcriptionist | Worked as Medical Transcriptionist at TransIndia Informatics, Adyar, Chennai, for 1 year 2 months. |

Other Academic service:

| S. No | Nature of Service | Institution/ University | Duration | |
|-------|--|--|--|--|
| | | | From | To |
| 1. | Member Board of Studies | PG Board of Studies in Biotechnology, University of Madras. | 01/10/2019 | 20/09/2022 |
| | | PG Board of Studies in Biotechnology, University of Madras. | 1/8/2011 | 31/7/14 |
| | | PG Board of Studies in Biotechnology, Bharathi Women's College, Chennai | 27/01/16 | Till Date |
| | | Chairman, PG Board of Studies in Biotechnology, Sri Sankara Arts & Science College, Kanchipuram. | 27/11/2015 | Till Date |
| 2. | Member Question Paper Setting Board | D.G.Vaishnav College, Chennai, PSG College of Arts & Science, Coimbatore, D.K.M. College for women, Vellore. | 2012 | Till date |
| 3. | Chairman / Member Selection Committee | Subject Expert for Selection of Assistant Professor in Microbiology, Sri Sankara Arts & Science College, Kanchipuram. | 2016 | - |
| 4. | Member Experts Committee | Subject Expert in Advisory Committee for preparation of Glossary of Biotechnology (English-Hindi) by Commission for Scientific and Technical Terminology, MHRD, Government of India. | 05/12/2011 | 08/12/2011 |
| | | Resource Person in "In-Service Training Programme for the Secondary Grade Science Teachers" sponsored by Tamilnadu State Council for Science and Technology, Govt. of Tamilnadu | 06/10/2004 08/10/2007 20/12/2010 | 10/10/2004 11/10/2007 24/12/2010 |
| 5. | Member Academic Council | Member Secretary, Academic Council | 12/10/2015 | Till date |