

SRI SANKARA ARTS & SCIENCE COLLEGE

ENATHUR, KANCHIPURAM

STAFF PROFILE

PG AND RESEARCH DEPARTMENT OF BIOTECHNOLOGY

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. Rajamanickam Baskar, Govindaraju Bharathkumar, Yovas Rajammal Manekshah, Sikkal Selvaraju Selvapriya, Thangarasu Hema Devi, Selvaraj Bharathi, Kuppuswamy Kavitha, Arumugam Rajalakshmi, Balasubramanian Ramesh (2025) Acute and chronic toxicity study for Madhumukthi Kudineer Chooranum. *Protoplasma*. <https://doi.org/10.1007/s00709-025-02056-y>. **Impact Factor: 2.5**
2. 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*. 22(3): e202401448. <https://doi.org/10.1002/cbdv.202401448>. **Impact factor – 2.3**
3. 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**
4. 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**
5. 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**
6. 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*. 69:103291. **Impact factor – 2.1**
7. 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**
8. 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-methylazetidin-1-yl)pentan-2-ol from *Calophyllum inophyllum* seed oil. *Biocatalysis and Agricultural Biotechnology*. 4:102617. **Impact factor – 4.0**
9. 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**

10. 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**
11. Arumugam Rajalakshmi, Manickam Ramesh, Ellappan Divya, Kuppuswamy 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**.
12. 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**
13. 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**
14. 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**.
15. 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**.
16. Kuppusamy 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**.
17. **Balasubramanian Ramesh**, Govindababu Kavitha Sendurpandi Gokiladevi Rajagopal K. Balachandar, Kuppuswamy 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**.
18. 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.
19. 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.

20. 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.
21. 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.
22. Kavitha, Kuppuswamy; Suganya, Arumugam; Rani, Kuppusamy 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.
23. 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
24. S. Esther Priyadharshini, C. Ramalingam and **B. Ramesh**, 2014. Designing a novel β -lactamase inhibitor by using QSAR and docking studies. Internatinoal Journal of Pharamacy and Pharamceutical Sciences. In Press. ISSN- 0975 – 1491. **Impact Factor - 1.59**.
25. 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
26. 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**.
27. 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**.
28. 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**.
29. **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**.
30. 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**.
31. 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.
32. 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.
33. **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.
34. 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.
 35. 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.
 36. B.Ramesh, V.Prabakaran, K.Kavitha, G.Suresh, N.Ravichandran and G.Vijaiyansiva, 2010. Antimicrobial peptide from *Euphyllis Hexadactylus* and its Efficacy against Plant Pathogens. International Journal of Current Research. 6: 14-17. ISSN: 0975-833X. Indexed.
 37. 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. ISSN 1991-8178.Hindex:10.
 38. 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.
 39. 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.
 40. 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

Bacillus megaterium 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 (FRSB) of London	Royal Society of Biology 1 Naoroji Street London WC1X 0GB, United Kingdom	2024
2.	Elected as Fellow of the Linnean Society (FLS) 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
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	National conference on “Biotechnological advances in Biomedical, Environmental and Agricultural Technology (BEAT-2K25)”	Hindustan College of Arts & Science, Chennai	Presented	12 th February, 2025
2	4 th International conference on Advances in Biotechnology – “Microbial innovations for a sustainable future” 2025 [ICAB-MISF’ 25]	PG Department of Biotechnology, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai	Presented	03 rd -04 th February, 2025
3	International conference on “Interdisciplinary Approaches In Biological Sciences For Innovative Research”	Shrimati Indira Gandhi College, Tiruchirapalli	Presented	27 th September, 2024
4	International conference on “Current trends in Biotechnology”	Stella Maris College, Chennai	Presented	11 th & 12 th September, 2024
5	National conference on “Biotechnological Advances in Biomedical, Environmental and Agricultural Technology”	Hindustan College of Arts & Science, Chennai	Presented	13 th February, 2024
6	2 nd International conference on “Molecular Basis of Cancer & Prevention”	PRIST University, Thanjavur	Presented	7 th -8 th February, 2024
7	International conference on “Unraveling therapeutic Resources from Nature’s Treasure”	Mohamed Sathak College of Arts & Science, Chennai	Presented	21&22 nd September, 2023
8	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
9	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
10	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
11	BioEntrepreneurship and funding, opportunities	Department of Biotechnology Sri Sankara Arts and Sciences college	Convener	8 th September, 2017
12	National level workshop on “Latest Technologies for Specially Abled Persons “	Sri Sankara Arts & Science College	Convener	FEB-28, 2017

13	International Conference on “Recent Advances in Bioresource Technology – RABT 2017”	Thiruvalluvar University, Vellore.	Participated	15th-17th February, 2017
14	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.	Attended

		03/03/2012	
5	National Conference on Recent Scenario in Biological Innovations	Hindustan College of Arts & Science, Coimbatore 3-4/02/2011	Attended
	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.”

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	7-Days Research Methodology and Hands-on Workshop on Jamovi	Statistical Point, Birbhum, West Bengal	23 rd – 29 th March, 2025
2	National Workshop on Metagenomics	Department of Marine Biotechnology, AMET, Kanathur, Chennai	14/02/2020
3	Microscopy and Photomicrography	Dept. of Microbiology, D.G.Vaishnav College	27/09/2011

4	Medical Transcription	Medilogistics, Chennai.	Nov-1999 to Apr-2000
5	Science Talent Promotion Scheme	Dept. of Zoology, University of Madras.	May to June 1999
6	Training in Bioinformatics	Gemeiosys Research Labs India Pvt. Ltd.	20 th to 29/04/2004
7	Programme on Identification of Flora	Centre of Advanced Study in Marine Biology, Annamalai University.	28 th Aug to 06 th Sep, 2002

18. Projects Completed:

S.No.	Name of the Projects	Period	Grant Received/Status
1	National Level workshop on Computer-aided drug design and discovery (CADDD) [Partial Assistance for Seminar/Symposium/Workshop (2023-2024)]	27 th February to 01 st Mar, 2025	Rs.20,000
2	<i>In silico</i> screening and identification of novel potent inhibitors targeting enzymes against <i>Enterocytozoon hepatopenaei</i> , the causative agent of hepatopancreatic microsporidiosis in shrimp, Kemin AquaScience™, Chennai	09 th August, 2024	Rs.1,80,000
3	Isolation and characterization of magnetosomes from anti-corrosive magnetotactic bacteria	TNSCST (RFRS- 2019-20)	Rs.3,00,000
4	Application of Science and Technology in Rural Areas (ASTRA – 2011-12) - TNSCST	Completed during 20-25/02/2012	Rs.1,20,000
5	Antimicrobial and anticancer peptides from <i>Duttaphrynus melanostictus</i> - TNSCST	Sep, 2010 – Mar, 2011	Rs.6000

6	Screening and estimation of carcinogenic Benzo(a)Pyrene in commonly used FMCG products - TNSCST	Sep, 2011 – Mar, 2012	Rs.6000
7	Molecular characterization and secondary metabolite production of bioactive compounds by endophytic fungi isolated from sea weeds - TNSCST	Sep -2017 – Mar – 2018	Rs.10,000
8	Isolation and characterization of magnetite nanoparticals from magnetotactic bacteria and determination of its antibacterial activity	Sep -2018 Mar – 2019	Rs.7500
9	Creation of scientific awareness for farmers, self help groups and students sponsored by TNSCST	13 th to 15 th February 2019	Rs. 1,15,000
10	Molecular characterisation and bioactive secondary metabolite production by endophytic fungi from plants of ethanobotanic al value sponsored by TNSCST	Sep -2019 Mar – 2020	7500
	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	<i>In silico</i> screening and identification of a novel potent inhibitor against major target enzymes of Hepatopancreatic parvovirus in shrimp	Kemin AquaScience™, Chennai	Rs.1,80,000

20. Patent

- Provisional patent Number **202141057967** Dt. 13/12/2021: A Method And A System For Magnetotactic Bacterial Consortia As Anti-Corrosive Additive In Concrete – Dr. B. Ramesh and Mrs. A. Rajalakshmi.
- Enhanced production of Nattokinase from *Glutamicibacter creatinolyticus* PS6. TN-PIC/2019/PA085

21. 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