

SRI SANKARA ARTS & SCIENCE COLLEGE

ENATHUR, KANCHIPURAM

STAFF PROFILE

DEPARTMENT OF MICROBIOLOGY



1.	Name of the Staff	Dr. S. BHARATHI
2.	Designation	Assistant Professor
3.	Date of Joining	10.01.2011
4.	Mobile Number	9943484232
5.	E-Mail ID	sbharathimicro@gmail.com
6.	Nationality	Indian
7.	Academic Qualification	M.Sc., M.Phil., Ph.D. Qualified NET
8.	Field of Specialization	Microbial Nanotechnology
9.	Ph.D Thesis Title	Studies on bioactivities of nanosilver synthesised by <i>Saussurea lappa</i> : Application studies of its hydrogel in wound healing using Wistar albino rats.
	Awarding University, Year of Award	University of Madras, 2019

10. Work Experience (in chronological order):

S.No.	Name of the Institution	Designation	Period
1	Sri Sankara Arts & Science College, Affiliated to University of Madras, Kanchipuram – 631 561	Assistant Professor, Department of Microbiology	10 th Jan 2011 – 31 st Oct 2014
2	Sri Sankara Arts & Science College, Affiliated to University of Madras, Kanchipuram– 631 561	Assistant Professor, Department of Microbiology	16 th Sep 2016- till date

11. Other Academic and Administrative Responsibilities:

S.No.	Name of the Institution/Committee	Position	Period
1.	Sri Sankara Arts and Science College, Board of studies	Member	2019- till date
2.	Thiruvalluvar University	Question paper setter	2019-till date
3.	Selvamm Arts and Science College	Question paper setter	2018 - till date
4.	Sri Sankara Arts and Science College, NSS Programme Officer	Programme officer	2012-2014
5.	Sri Sankara Arts and Science College, Environmental committee	Member	2012-2013
6.	Sri Sankara Arts and Science College, Internal Examination committee	Member	2011-2012

12. Publications:

- 1 Bharathi, S., and M. Radhakrishnan. 2022. Citric Acid Production. Industrial Microbiology based entrepreneurship. Amaresan, Dhanasekar and Cundell (Ed). **Springer**. 67-78 (**Book chapter**).
- 2 **Bharathi, S.**, and M. Radhakrishnan. 2022. Symbiotic Microbes from Corals. In. Microbial Symbionts: Functions and Molecular Interactions on Host; **Elsevier** Editor. D. Dhanasekar. Pp. 441- 450 (**Book chapter**).
- 3 **Selvaraj Bharathi**, Balasubramanian Ramesh, Subramanian Kumaran, Manikkam Radhakrishnan, Durai Saravanan, M. S. Nalina Sundari. 2021. Development of nanobiomaterial for wound healing based on silver nanoparticles loaded on chitosan hydrogel. **3 Biotech**.11:490 (**I.F-2.893**).
- 4 Panneerselvam Saravanan, Subramanian Kumaran, **Selvaraj Bharathi**, Padmanaban Sivakumar, Padian Sivakumar, Sampath Renuka Pugazhvendan, Wilson Aruni, Sahadevan Renganathan. 2021. Bioremediation of Synthetic Textile Dyes Using Live Yeast *Pichia pastoris*. **Environmental Technology & Innovation**. 22: 101442 (**I.F – 7.758**).
- 5 S.Kumaran, A. M. P. Anahas, N. Prasannabalaji, M. Karthiga, **S. Bharathi**, T. Rajasekar, Jerrine Joseph, S. Guru Prasad, P. Sivakumar, S. R. Pugazhvendan, Wilson Aruni. 2021. Chitin derivatives of NAG and chitosan nanoparticles from marine disposal yards and their use for economically feasible fish feed development. *Chemosphere* 281: 130746 (**I.F – 8.943**).

- 6 **S. Bharathi***, S. Kumaran, G. Suresh, M. Ramesh, V. Thangamani, S. R. Pugazhvendan, K. Sathiyamurthy. 2020. Extracellular synthesis of nanoselenium from fresh water bacteria *Bacillus sp.*, and its validation of antibacterial and cytotoxic potential. **Biocatalysis and Agricultural Biotechnology**. 27: 10165 (**Indexed in Web of science & Scopus**).
- 7 Tentu Nageswara Rao, A.P.B. Balaji, Mani Panagal, Botsa Parvatamma, **Bharathi Selvaraj**, Saravanan Panneerselvam, Wilson Aruni, S. Kumaran, S.R. Pugazhvendan, Sivakumar Pandian. 2020. Nanoremediation of dimethomorph in water samples using magnesium aluminate nanoparticles. **Environmental Technology & Innovation**. 20: 101176 (**I.F – 7.758**).
- 8 Sukanth kumar Enmozhi, Vijayalakshmi Ganesan, Manigundan Kaari, **Bharathi Selvaraj**, Gopikrishnan Venugopal, Jerrine Joseph, Radhakrishnan Manikkam. Anti-infective potential of marine actinobacteria against carbapenem resistant *Klebsiella pneumoniae* ATCC13882. **Research J. Pharm. and Tech**. 13(8): 3653-3660 (**Indexed in Scopus**).
- 9 Subramanian Kumaran+, **Selvaraj Bharathi**+, Vairagkar Uttra, Rajasekar Thirunavukkarasu, Prasannabalaji Nainangu, Venugopal Gopi Krishnan, Pugazhvendan Sampath Renuga, Aruni Wilson, Deivasigamani Balaraman. 2020. Bioactive metabolites produced from *Streptomyces enissocaesilis* SSASC10 against fish pathogens. **Biocatalysis and Agricultural Biotechnology**. 29: 101802 (**Indexed in Web of science & Scopus**).
- 10 Kumaran Subramanian, Balamurugan Sadaippan, Wilson Aruni, Alagappan Kumarappan, Rajasekar Thirunavukkarasu, Guru Prasad Srinivasan, **Selvaraj Bharathi**, Prasannabalaji Nainangu, Pugazhvendan Sampath Renuga, Anandajothi Elamaran, Deivasigamani Balaraman & Mahendran Subramanian. 2020. Bioconversion of chitin and concomitant production of chitinase and N-acetylglucosamine by novel *Achromobacter xylosoxidans* isolated from shrimp waste disposal area. **Scientific Reports**. 10: 11898 (**I.F- 4.996**).
- 11 Kumaran Subramanian, AnahasPerianaika Matharasi Antonyraj, Prasannabalaji Nainangu, Pugazhvendan Sampath Renuka, RajaSekar Thirunavukkarasu, Sadaippan Balamurugan, **Bharathi Selvaraj**, Suresh Gopal, Guru Prasad Srinivasan, Praveen Kumar Elango, Balasubramanian Balakrishnan and Wilson Aruni. A.2020. Novel Coronavirus (Covid-19): A Review on Epidemiology, Pathophysiology, Molecular Mechanism, Therapeutic Evidence and Preventive Measures. **Oriental Journal of Chemistry**. 36(4): 621-631 (**I.F- 0.68**).
- 12 P. Devagi, T. Chitrikha, R.V. Sandhiya, M. Sairandhry, **S.Bharathi**, P.Velmurugan, M. Radhakrishnan, T. Sathiamoorthi and G. Suresh. 2020. Actinobacterial – mediated fabrication of silver nanoparticles and their broad spectrum antibacterial activity against clinical pathogens. **Journal of Nanoscience and Nanotechnology**. 20:2902-2910 (**I.F - 1.354**).

- 13 **S. Bharathi*** and M. Radhakrishnan. 2020. Nanoparticles in Environmental Clean-up. Recent Progress in Microbiology and Biotechnology. Print ISBN: 978-93-89816-82-2, eBook ISBN: 978-93-89816-83-9 DOI: 10.9734/bpi/rpmb/v1(**Book chapter**).
- 14 Santhiyaa RV, Wilson Aruni A, Suresh G, Prasanna Balaji N, **Bharathi S**, Pugazhvendan SR, Rajasekar T, Karthikeyan DR and Kumaran S. 2019. Applications of Feather Keratin Hydrolysate in Divergent Fields. **Bioscience Biotechnology Research Communications**. 2 (4), 00-00 2019 (**Indexed in web of science**).
- 15 Kumaran S, Wilson Aruni, Karthika M, Prasanna Balaji N, Pugazhvendan S.R, **Bharathi S**, Rajasekar T & Guru Prasad S. 2019. Trends in aquaculture feed development: from Chitosan Nano particle with N-Acetylcysteine (NAG) for disease control – A review. **Bioscience Biotechnology Research Communications**.13 (1) 00-00 2020 (**Indexed in web of science**).
- 16 **S.Bharathi**, S.Kumaran, G.Suresh, B.Ramesh, M.S.Nalina sundari. 2018. Phytosynthesis of silver nanoparticles using *Hygrophila auriculata* leaf extract and assessment of their antibacterial and antioxidant properties" **International Journal of Applied Pharmaceutics**. 10 (6): 119-125 (**Indexed in Scopus**).
- 17 S. Kumaran, R. V. Santhiyaa, U. Prakash, B. Sivasankari, D. Kokila, **S. Bharathi** and G. Suresh. 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 (**UGC CARE**).
- 18 **S. Bharathi**, D. Saravanan and M. S. Nalina Sundari. 2018. Green synthesis of nanosilver from *Azadirachta indica* leaves and its antibacterial activity. **International Journal of Current Microbiology and Applied Sciences**. 7(01): 3636-3642.
- 19 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 (**UGC CARE**).
- 20 **S. Bharathi**, G. Suganya, N. Prasanna Balaji, S. Balamurugan, G. Suresh, M.S. Nalina sundarai and S. Kumaran. 2018. Encapsulation and *In vitro* drug release studies of Anti Tuberculosis drug using Chitosan nanoparticles. **International Journal of Microbiological Research** 9 (2): 54-58.
- 21 S. Sivaraman, S. Kumaran, **S. Bharathi** and G. Suresh. 2018. Microbial prevalence inside the shoes worn by school going children in Kanchipuram, Tamil Nadu. **World Journal of Medical Sciences**, 15 (2): 76-79.

- 22 G. Suresh, P. Raghu, U. Prakash, T. Chitrikha Suresh, S. Kumaran, **S. Bharathi**, K. Selvendiran and T. V. Poonguzhali. 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 (06):3665-3674.
- 23 M. Radhakrishnan, V. Anuradha Raman, **S. Bharathi**, R. Balagurunathan and Vanaja Kumar. 2014. Anti MRSA and antitubercular activity of phenoxazinone containing molecule from borra caves *Streptomyces* sp. BCA1. **International Journal of Pharmaceutical Sciences and Research**, 5(12): 5342-5348 (**Indexed in Web of science and Scopus**).
- 24 **Bharathi. S.**, S. Kumaran, G. Suresh and S.R. Pugazhvendan. 2014. Nanotechnology as a novel tool for aquaculture industry: A review. **World J Pharm Sci.** 2(9): 1089-1096.
- 25 Saravanan. D., **S.Bharathi.**, M. Radhakrishnan and R. Balagurunathan. 2014. Production and optimization of L-Glutaminase from *Vibrio* sp. M9 isolated from Mahabalipuram marine sediments. **World Journal of Pharm Res.** 3(2); 2117-2126.
- 26 **S. Bharathi.**, Nithya.B., Saravanan.D., Radhakrishnan.M., Balagurunathan.R. 2013. Invitro antibacterial activity of coral reef associated bacteria and optimization of bioactive metabolite production. **Journal of Applied Pharmaceutical Science.** 03 (06); 164-167 (**Indexed in Scopus**).
- 27 Saravanan D, **S. Bharathi**, M. Radhakrishnan and R. Balagurunathan. 2012. Exploitation of bacteria from forest ecosystem for antimicrobial compounds. **Journal of Applied Pharmaceutical Science.** 02 (03); 2012: 120-123 (**Indexed in Scopus**).
- 28 Hemachandran, K., **S. Bharathi**, M. Radhakrishnan and R. Balagurunathan. 2011. Studies on extended beta lactamase producing, biofilm forming clinical bacterial pathogens and its *in vitro* inhibition by actinobacterial extracts. **Journal of Applied Pharmaceutical Science.** 1(8); 210-213 (**Indexed in Scopus**).
- 29 Radhika, S., **S. Bharathi**, M. Radhakrishnan and R. Balagurunathan. 2011. Bioprospecting of fresh water actinobacteria: Isolation, characterization and antagonistic potential of selected actinobacteria. **Journal of Pharmacy Research.** 4(8); 2584-2586.
- 30 Malliga, N., **S. Bharathi**, M. Radhakrishnan and R. Balagurunathan. 2011. Screening of earthworm cast actinobacteria for plant growth promoting activities and production of Indole Acetic Acid (IAA) from selected isolates. **Environmental Science: An Indian Journal.** 6(3) (**IF- 0.45**).
- 31 **Bharathi, S.**, D. Saravanan, M. Radhakrishnan and R. Balagurunathan. 2011. Bioprospecting of marine yeast with special reference to inulinase production. **International Journal of ChemTech Research.** 3(3); 1514-1519 (**Indexed in Scopus**).
- 32 Mohanraj, D., **S. Bharathi**, M. Radhakrishnan and R. Balagurunathan. 2011. Bioprospecting of Actinobacteria from Yelagiri Hills with special reference to antibacterial activity. **Journal of Chemical and Pharmaceutical Research.** 3(3); 439-446 (**Indexed in Scopus**).

- 33 Kamatchi. S and **S. Bharathi**., 2010. Single cell oil production from different agro industrial wastes by oleaginous bacteria. **Biotechnology-An Indian Journal**, 4(4); 193-196.
- 34 **Bharathi. S.**, Subhashini. M.S., Jeevanand. D. 2010. Antagonistic activity of marine bacteria against food borne and fish borne pathogens. **Journal of Advanced Biotechnology**. 10(4); 26-28.
- 35 Arunachalam. C and **S.Bharathi**. 2010. Bioprospecting of halophilic bacteria- An overview. **Journal of Advanced Biotechnology**, 9 (2): 22-27.

Magazine Articles & News Letter:

1. **Bharathi, S.**, S. Kanimozhi. 2013. Isolation and screening of halophilic bacteria producing extracellular hydrolyses from marine ecosystems, Tamil Nadu. *Bhamathi Microbiology News Letter*. 3(1): 21-24.
2. Radhakrishnan, M., **S. Bharathi**, R. Balagurunathan and Vanaja Kumar. 2011. Desert ecosystem: Potential source for novel actinomycetes and bioactive metabolites. *Bhamathi Microbiology News Letter*. 1(4): 2-5.
3. **Bharathi, S.**, T. Rajasekar and M. Radhakrishnan. 2011. Bioprospecting of marine yeast with special reference to protease activity. *Bhamathi Microbiology News Letter*, I(2); 25 – 28.

Data base sequence published:

- **S. Bharathi**, M. Ponmozhi. 2022. *Bacillus aquimaris*, 16S ribosomal RNA gene, partial sequence. **GenBank Accession No: ON261397**.
- **S. Bharathi**, and P. Kaviyarasan. 2022. *Streptomyces litmocidini*, 16S ribosomal RNA gene, partial sequence. **GenBank Accession No: ON261401**.
- **S. Bharathi**, and M. Malini. 2022. *Vibrio sp.* 16S ribosomal RNA gene, partial sequence. **GenBank Accession No: ON261517**.
- **S. Bharathi**, G. Srinivasan, A. Kishore Kumar. 2021. *Shewanella haliotis* 16S ribosomal RNA gene, partial sequence. **GenBank Accession No: MZ810552**.
- **S. Bharathi**, V. Thangamani, M. Ramesh, B. Ramesh. 2019. *Bacillus sp.* 16S ribosomal RNA gene, partial sequence. **GenBank Accession No: MN235848**.
- Y. Asha, **S. Bharathi**. 2018. *Aspergillus ochraceopetaliformis* strain MF4, Partial ITS. **GenBank Accession No: MH141440**.
- P. Saravanan, G. Jayasrilatha, S. Kumaran , **S. Bharathi** , M. Tamizhvanan, B. Ramesh, G. Suresh. 2014. *Bacillus flexus* strain FDB3, 16S ribosomal RNA gene, partial sequence. **GenBank Accession No: KM091675**.

13. Membership in Professional Bodies:

S.No.	Name of the Membership	Venue	Period
1	Vigyan Pradipa - Association of Microbiologists	Sri Sankara Arts and Science College	Life Member

14. Seminars Conferences organized /Participation:

1. **Invited speaker** on “Extremophilic Microorganisms Treasure of Novel Metabolites” during the two-days National Seminar on “Microbes–Elixir in Life” organized by the Centre for Laboratory Animal Technology and Research, Sathyabama Institute of Science and Technology, Chennai on 29th July, 2021.
2. Participated in the webinar series on “Biotechnological and Nanotechnological application for marine resources augmentation” organized by Centre for Ocean Research, Sathyabama Institute of Science and Technology, Chennai from 04-09th May 2020.
3. Participated in International Seminar on “Recent Advances in Bioremedial Technology organised by Department of Biotechnology, Thiruvalluvar University on 31st Jan 2020.
4. Participated and **presented** paper titled “Extracellular synthesis of selenium nanoparticles and validation for cytotoxic potential” in National Conference on “ Biochemical and Molecular basis of Cancer” conducted by Meenakshi Medical College Hospital and Research Institute, Kanchipuram on 19th October 2019.
5. Participated International Conference on “Contemporary praxis in Academics and Research: A multidisciplinary approach” conducted by Department of Microbiology, Asan memorial College of Arts and Science, Chennai on 12th October 2019.
6. Participated National Seminar on “Marine natural products as Pharmaceutical agents” conducted by Centre for Ocean Research, Sathyabama Institute of Science and Technology, Chennai on 17th and 18th September 2019.
7. Participated and **presented** paper on “Optimization of parameters for biosynthesis of silver nanoparticles using root extracts of *Saussurea lappa*” in National conference on “Bioactive marine natural products and their therapeutic applications” organized by Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology, Chennai held on 24-25th, January 2018.
8. Participated and **presented** paper on “Green synthesis and characterization of silver nanoparticles from *Saussurea lappa* root extract” in International conference on “Biotechnology and its application in Aquaculture and Fisheries” organized at Centre of Advanced Study in Marine Biology, Faculty of marine sciences, Annamalai University, held on 23-25th , August 2017.

9. Participated and **presented** paper on “Antibacterial and antioxidant activity of nanosilver synthesized from *Saussurea lappa* root extract” in seminar on “Bioentrepreneurship and funding opportunities” organized by Department of Biotechnology, Sri Sankara Arts and Science College, on 8th, September 2017.
10. Participated in Regional conference on “Recent advances in Nanobiotechnology” organized by Department of Biotechnology, Stella Maris College, Chennai on January 2015.
11. Participated in National Seminar on “Immunomolecular Techniques and applications” sponsored by DBT, Delhi, organized by the centre of advanced study in Marine Biology, Faculty of Marine Sciences, Annamalai University, Parangipettai, Tamil Nadu during 12th and 13th September 2014.
12. Participated in International conference on “Recent trends in life science” organized by Department of Microbiology and Biochemistry, Auxilium college (Autonomous), Vellore on 12th and 13th December 2013.
13. Participated in International symposium on “Changing etiology of emerging infectious diseases” organized by Department of Microbiology, Dr. ALM PG IBMS, University of Madras, Taramani, Chennai on 6th February 2013.
14. Participated in National conference on “Recent scenario in emerging arboviral infections” organized by the Department of Microbiology, Prof. Dhanapalan college of arts and science, Chennai on 14th and 15th December, 2012.
15. Participated in National Seminar on “Frontiers in Life science” organized by Department of Microbiology, Department of Biochemistry and Department of Biotechnology, Sri Sankara Arts & Science College, on 11th January 2012 at Kanchipuram.
16. Participated and **presented** a paper entitled “Azo dye decolorisation by halophilic bacteria” in National conference on “Biodegradation and Bioremediation” organized by Department of Microbiology, Jaya college of Arts and Science College on March 09, 2011 and got 1st prize.
17. Participated in National Seminar on “Microbial Technology” organized by Department of Microbiology and Department of Biotechnology, Sri Sankara Arts & Science College, on 06th December 2011 at Kanchipuram.
18. Participated and **presented** a paper entitled “Optimization and partial purification of inulinase from marine yeast *Cryptococcus* sp.,” in National seminar on ‘Environmental protection and sustainable development’ held at Kanchi Shri Krishna College of Arts and Science, on 18th February 2010.
19. Participated in Seminar on ‘Laboratory services’ in Sri Ramachandra University on 30th April 2010.
20. Participated in National symposium on ‘Antituberculosis drug discovery: current status and future prospects’ organized by Department of Bacteriology, Tuberculosis research centre on 30th October 2010.
21. Participated and **presented** a poster entitled ‘Exploitation of marine yeast for their bioproducts’ in Seventh National Conference of IAAM on ‘Microbiology and its impact on Environmental protection in relation to health and Geological sustainability’ held at SRM Arts and Science College, during 11-12 December 2009.

22. Participated and **presented** a paper entitled ‘Occurrence of Antibiotic resistance pathogens in pus sample’ in National Seminar on ‘Mycotic Diseases in the 21st Century’ organised by Department of Microbiology, Sri Sankara Arts and Science College, on 28 February 2008.
23. Participated and **presented** a poster entitled ‘Microbial Bioleaching – A Gateway for GOLD Recovery’ in National Symposium on ‘Emerging Trends in Microbiology’ organized by Department of Microbiology, Valliammal College for Women, during 23-24 January 2008.
24. Participated and **presented** a poster entitled ‘Microbial Bioleaching – A Gateway for GOLD Recovery’ in National Seminar on ‘Microbial World’ held at Auxilium College, Vellore, on 11th October 2007.
25. Participated in Fifth National Conference of IAAM on ‘Emerging Trends and Evolving Technologies in Applied Microbiology with special reference to Microbial Nanotechnology’ organized by Department of Microbiology, Sri Sankara Arts and Science College, during 11-12 January 2007.
26. Participated and **presented** a poster entitled ‘Marine Microbes and Their Products’ in National Level Symposium on ‘Recent Trends in Microbial Biotechnology’ organized by Department of Microbiology, Sri Sankara Arts and Science College, during December 29-30, 2005.

15. Workshop & Training Programmes:

S.No.	Programme	Venue	Period
1	Online Course on “Directions and Dimensions of Accreditation Criteria in the light of NEP for HEIs”	Organized by the Electronics and ICT Academy at PDPM IITDM Jabalpur in association with Sri Sankara Arts and Science College	3 rd to 12 th Feb, 2022
2	FDP on “ Biostatistics in life science research”	Organized by Department of Microbiology, Thassim Beevi Abdul Kader College for Women, Ramanathapuram	8 th and 9 th November 2021
3	FDP on “New avenues and challenges in actinobacterial research” from	Organized by Centre for Drug Discovery and Development, Sathyabama Institute of Science and Technology, Chennai	29 th September to 6 th October 2021
4	National workshop on “Metagenomics”	AMET (Deemed to be University), Chennai	14 th February 2020

5	Workshop on “The art of writing winnable projects”	Dept. of Biotechnology, Sri Sankara Arts and Science College, Kanchipuram	12th July 2019
6	Workshop on "Technical Writing and Publishing with Advanced Computer Tools: Hands-On Training"	IIITDM, Kancheepuram (Institute of National Importance under MHRD, Govt. of India), Chennai	8th – 9th September, 2018
7	National workshop on “Diagnostic Microbiology and Molecular biology”	Department of Microbiology, Sri Sankara Arts and Science College	25 th to 26 th September 2017
8	Workshop on “Microscopy and Microphotography”	Department of Microbiology, D.G. Vaishnava College	27 th October 2011
9	National Workshop on “Luciferase Reporter Phage Assay”	Department of bacteriology, National Institute for Research in Tuberculosis, Chennai	7.9.2011- 9.9.2011

16. Any other details

M. Sc PROJECTS GUIDED:

Student Name	Project title	Year
V. Gnanapraksh	Biosynthesis of selenium nanoparticles and evaluation of its antibacterial and photocatalytic dye decoloration potentials	2021-22
S. Bhuvaneswari	Green synthesis of selenium nanoparticles and evaluation of its antibacterial and antioxidant potentials	2021-22
V. Saravanan	Studies on antioxidant and antibacterial activity of <i>Catharanthus roseus</i> leaves extract	2021-22
A.Kishore Kumar	Synthesis of selenium nanoparticles from <i>Shewanella haliotis</i> and exploring its biopotential applications	2020-21
M. Ponmozhi	Plant growth promoting rhizobacteria isolated from halophytes: characterisation and exploration of phyto-beneficial traits	2020-21
M. Malini	Isolation of halophilic bacteria and screening for extracellular enzyme production	2020-21
S. Kaviyarasan	Anti-infective potential of actinobacteria against human pathogens	2020-21
S. Srinivasan	Silver nanoparticles from marine bacteria <i>Shewanella haliotis</i> and their antimicrobial potentialities in the biocontrol of foodborne bacteria	2019-20

S. Gayathri	Antimicrobial activity of nanosilver synthesized from <i>Sinapsis alba</i> aqueous seed extract and demonstration of its <i>in vitro</i> antibiofilm activity	2019-20
V. Sandhiya	Screening and isolation of collagenase producing bacteria from slaughter house wastes	2019-20
S. Sumithra	Extracellular synthesis of selenium nanoparticles from <i>Streptomyces sp</i> and evaluation of its biological potentials	2019-20
N.Nandhakumar	Studied on MDR, ESBL, biofilm producing bacteria from clinical samples	2012-13
B.Nithya	Exploitation of coral reef bacteria for antibacterial substance	2011-12

- Participated online course on “Infection Prevention and Control (IPC) for Novel Corona virus (COVID-19) organized by World health organization on April 10th 2020.
- Industrial visit to Pasteur Institute of India, Connor was organized to I M.Sc., Applied Microbiology students from 29.02.2020 to 02.03.2020.
- Industrial visit to ITC Food labs, Chennai was organized for Diploma in Food safety and Quality Management students on 25th January 2020.