



Name : Dr. S. Nandhini
Qualifications : M.Sc., Ph.D., NET, ADCA
Designation : Associate Professor
Years of Experience : UG: 16 years PG: 16 years
Previous Experience : UG: 1-year PG: 1-year
: JRF -15 months IIT(ISM), Dhanbad
Area of Specialization : Industrial Microbiology, General Microbiology
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MEMBERSHIP

S.No	Details	State/National /International
1.	Life Member in Indian Association of Applied Microbiologists	National

PROJECTS: NIL

S.No	Title	Duration	Funding Agency	Amount Sanctioned (in lakhs)

RESEARCH GUIDANCE

M.Sc Projects Guided	30 students
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WORKSHOPS

S.No	Organized by	State/National/ International	Topic	Date
1.	Ethiraj College for Women, Chennai	State Organizing Member	Intellectual Property Rights and their Implications	22-01-2020

2.	PG and Research Department of Microbiology and Biotechnology, Presidency College, Chennai	National Attended	National Level Training Cum Workshop "Protein Bioinformatics"	22-01-2019 to 23-01-2019
3.	Eppendorf India Limited, Chennai	State Attended	Advanced PCR Training Program	21-11-2018 to 22-11-2018
4	Department of Microbiology Ethiraj College for Women, Chennai	State Organizing Member	Microbiological Techniques for School Students	30-08-2018 to 31-08-2018
5.	Center for Laboratory Animal Technology and Research, Sathyabama University Chennai	State Attended	Lab Animal Handling and Research	15-09-2017
6.	Ethiraj College for Women, Chennai	State Attended	Academics and Research	01-02-2017
7.	UGC funded-CPE grant Enrichment of teachers Ethiraj College for Women, Chennai	State Attended	Stress Management	23-08-2016
8.	Ethiraj College for Women	State Attended	Health, Stress and Diabetes	11-09-2015
9.	Ethiraj College for Women, Chennai	State Attended	Human Rights	December, 2014
10.	Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.	State Attended	Computational Biology	January, 2012
11.	Ethiraj College for Women Chennai	State Attended	Young Adult Counselling	April, 2011

CONFERENCES ATTENDED/PRESENTED PAPER

S.No	Organized by	State/National/International	Participated/presented	Title	Date
1.	Ethiraj College for Women, Chennai	National	Organizing Member	Natural Resource Management for sustainable future	26-04-2022 to 27-04-2022

2.	Tamil University, Thanjavur	National	Presented	A relative microbial analysis of soil and water samples from rural and urban beaches in Tamil Nadu	08-03-2022
3.	Tamil University, Thanjavur	National	Presented	Commercial sea salts as source of significant food spoilage causing fungi	08-03-2022
4.	Tamil University, Thanjavur	International	Presented	Efficacy of Pericarp of Pomegranate (<i>Punica granatum</i>) extract as a preservative in	08-03-2019
5.	Ethiraj College for Women, Chennai	National	Organizing Member	Trends and Innovations in Biological Sciences	14-02-2018 to 15-02-2018
6.	XV AZRA International Conference on recent advances in Life Sciences, Chennai	International	Presented	Antimicrobial activity of <i>Loligo duvauceli</i> ink against biofouling bacteria isolated from boats in Royapuram, Chennai	11-02-2016 to 13-02-2016

SEMINARS

S.No	Organized by	State/National/International	Topic	Date
1.	Department of Biochemistry, Panjab University, Chandigarh	National Online Attended	Biorisk Assessment and Management- Preparedness for future researchers	23-04-2020
2.	Department of Microbiology, K.C College, Mumbai	National Online Attended	Online lecture on "Understanding COVID 19-A Microbiological Perspective"	17-04-2020
3.	Ethiraj College for Women, Chennai.	National Organizing Member	Career prospects in Life Sciences	31-01-2017
4.	Ethiraj College for Women, Chennai.	National Attended	From potential for Excellence to Excellence in Higher Educational Institutions	18-07-2016 to 19-07-2016

5.	Ethiraj College for Women, Chennai	State Attended	Mind Education	12-10- 2015
6.	Ethiraj College for Women, Chennai	State Attended	Project proposals and Guidelines for Sciences	12-08- 2014
7.	Ethiraj College for Women, Chennai	National Organizing Member	Congress on Biological Research	August, 2011
8.	Association of Microbiologists of India, Chennai unit Centre for Environmental Studies, Anna University	National Attended	Trends in Microbial Research	27-02-2009
9.	Ethiraj College for Women, Chennai	National Organizing Member	Seminar on Frontiers in biological Sciences	December,2008

CERTIFICATE COURSE/VALUE ADDED COURSES

S.No	Offered by	Topic	Duration
1.	SWAYAM ARPIT	Teacher and Teaching in Higher Education	6 months

JOURNAL PUBLICATIONS

S.No	Journal Name	UGC/SCI/SC	ISBN/ISSN Number	Reference	Date of Publication/DOI
1.	Medico-Legal Update	SCI	ISSN print 0971-720X Online 0973-1283	S.Nandhini, K.Revathi and Kiran Srinivasan (2020) A comprehensive study on the efficacy of copper antifouling coat on biofilm-forming organisms in industrial cooling towers.	Oct-Dec 2020 20(4):2291-2302.

2.	Int. J. Curr. Microbiol. App. Sci.		ISSN:2319-7692(Print), ISSN:2319-7706(Online)	S.Nandhini and K.Revathi (2016). Antifouling Activity of Extracts from Mangroves against Biofouling Bacteria isolated from Boats in Royapuram, Chennai, India	2016,5(8): 324-335
3.	National Environment and Pollution Technology	SCOPUS	ISSN:0972-6268.	S. Nandhini and K. Revathi (2016). Study on Biofouling Organisms present on the surface of Boats in Royapuram, Chennai	2016, Vol 15(1):257-261
4.	Environmental Monitoring and Assessment.	UGC	ISSN: 0167-6369 (print)	S.K. Maiti and S. Nandhini (2006). Bioavailability of metals in fly-ash and their bioaccumulation in naturally occurring vegetation; A pilot scale study	Vol.116 (1):263-273
5.	International Journal of Environmental studies	UGC	ISSN: 1735-1472 (print)	S. K. Maiti, S. Nandhini, Manab Das (2005). Accumulation of metals by naturally growing herbaceous and tree species in iron ore tailings	Issue: volume 62(5):593-603

FDP/STTP

S.No	Organized by	State/National/ International	Topic	Date
1.	RUSA 2.0- Entrepreneurship and career hub, University of Madras, Chennai	National Online	Drug discovery-a road to start up	07.03.22-11.03.22

2.	Electronics & ICT Academy, PDPM IIITDM Jabalpur & IQAC Sri Sankara Arts and Science College, Kanchipuram	National Online	Directions and Dimensions of Accreditation Criteria in the light of NEP for HEIs	03.02.22 to 12.02.22
3.	IQAC, Ethiraj College for Women, Chennai	National Online	Creating and Managing a course in Moodle	October to November, 2021
4.	Department of Physics and IQAC, Dwaraka Doss Goverdhan Doss Vaishnav College	National Online	Science pedagogy	9-08-2021 to 16-08-2021
5.	School of Biotechnology and Bioinformatics, D.Y. Patil Deemed to be University, Navi Mumbai	International Online	Precision Medicine	19-01-2021 to 23-01-2021
6.	Dr. Ambedkar Government Arts College (Autonomous) Vysarpadi, Chennai-600039, Tamilnadu in collaboration with the Indian Science Congress Association	National Online	Digital Technology for Teaching of Life Sciences and Humanities	21-07-2020 to 25-07-2020.
7.	Internal Quality Assurance Cell Ethiraj College for Women, Chennai.	State Online	Recasting from Onsite to Online	20-07-2020 to 24-07-2020
8.	Department of Biochemistry Ethiraj College for Women, Chennai.	International Online	Adapting to the Covid Era	12-07-2020

9.	Sathyabama Institute of Science and Technology in Association with Indian Association of Applied Microbiology (IAAM) and Georgetown University, Washington DC, USA	International Online	Practical Bioinformatics on a Wet-Lab set-up	11-05-2020 to 16-05-2020
10.	Sathyabama Institute of Science and Technology in Association with Indian Association of Applied Microbiology (IAAM) and California Institute of Science, USA	International Online	Novel Microbes and Newer Threats	20-04-2020 to 02-05-2020
11.	Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by Ministry of Human Resource and Development, PMMMNMTT.	National Online	MANAGING ONLINE CLASSES and CO-CREATING MOOCS	20-04-2020 to 06-05-2020
12.	St. Joseph College in association with All India Council for Technical Education, New Delhi	National	Prospects and Challenges in Biofuel and Bioenergy (AICTE-STTP- PCBB)	11-11-2019 to 16-11-2019

WEBINARS

S.No	Organized by	State/National/International	Topic	Date
1.	Ethiraj College for Women, Chennai.	National	Alternative Therapy–A way of Living	25.05.2020 to 29.05.2020

2.	Department of Microbiology, Biochemistry, PG Departments of Applied Microbiology and Bioinformatics & Clinical Trial Management, Dr. MGR Janaki College of Arts and Science for Women, Chennai	International	The Trinity of COVID-19: Immunity, Implications and Interventions	04-06-2020 to 06-06-2020
3.	Ethiraj College for Women, Chennai	State	Biology Degrees and Careers at a Glance	23-05-2020
4.	Department of Biochemistry, Ethiraj College for Women, Chennai	National	Medicinal Plants - The Potential Therapeutic Sources for Human Diseases and Disorders	09-05-2020
5.	Ethiraj College for Women, Chennai	National	Recent trends in Biotechnology and its Opportunities	16-05-2020
6.	Ethiraj College for Women, Chennai	National	Exploring and Understanding World Pandemics	11.05.2020-13.05.2020

AWARDS: NIL

OTHERS

- National Examiner for Ph.D., thesis evaluation in Meenakshi Academy of Higher Education and Research, West K.K.Nagar, Chennai-78.
- **Chief–Guest and Resource person** for the Intra school Nature meet “Flora n’ Fauna” organized by St. Thomas Group of Schools, Chinnasekadu, Manali, Chennai on 27th August, 2022.
- **Resource person** for a lecture on “Microbes and climate change” in two days’ virtual conference on “Impact of Global warming on Environment and biodiversity” organized by

the Department of Environmental and Herbal Science, Tamil University in association with Indian Science Congress Association (Chennai chapter) held on 23rd and 24th February 2022.

- **Guided** undergraduate management student project for the academic year 2021-22 on the topic “A relative microbial analysis of soil and water samples from rural and urban beaches in Tamil Nadu”.
- **External Examiner** for Ph.D. Viva-Voce on the topic “**Bioaccumulation of lead (Pb) by *Pseudomonas stutzeri* isolated from E-waste contaminated soil, Thiruchirappalli, Tamil Nadu**” held in the Department of Environment and Herbal Science, Tamil University, Thanjavur on the 25th of October 2021.
- Panelist’s in “**Foot prints of Batch-2001**” as a part of the Scope series organized by the Department of Microbiology, Vivekanand Education Society’s College of Arts, Science and Commerce, Mumbai on 17th Oct, 2020.
- Provided guidance and tips on “**Women Health and Hygiene**” in Hindi through Video Conferencing on 8th September, 2020 to the families of Sainik School Punglwa, Nagaland.