

Profile

Name : Anandhi. S
Department : Biotechnology
Designation : Assistant Professor
Qualification : M.Sc., M.Phil., DMLT
Phone : 7010990267
Experience : 10yrs 3 months
Area of Specialization(s) : Microbiology, Nanotechnology, Bioprospection of Foliose Lichens
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ACADEMIC EXPERIENCE IN BIOTECHNOLOGY

- Worked as an **Assistant Professor** in Department of Biotechnology, Vivekanandha Arts and Science College for Women, Sankari from May 2018 to till now.
- Worked as an **Assistant Professor** in Department of Microbiology, Sri Saradha College for Women, Perambalur from June 2013 to October 2014.
- Worked as a **Senior Research Fellow** under Dr. R. R. Sinha (Advisor/Scientist 'G') in Department of Biotechnology, Ministry of Science and Technology, Govt. of India, New Delhi from July, 2011 to May 2013.

Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
M.Phil.	Biotechnology	Holy Cross College, Trichy	2011
PG	Biotechnology	Kurinji College of Arts and Science, Trichy	2007
UG	Microbiology	Cauvery College for Women, Trichy	2005

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution/University/ Agency Name	Year
Diploma	Medical Laboratory Technology	Saastha Institute, Tiruchirappalli, Tamil Nadu	2005

Membership in Professional Bodies

1. Life Member in Indian Lichenological Society from 22.05.2023. Membership number : 225
2. Life Membership in the Society for Microbiology, Biochemistry, and Biotechnology (SMBB) from 15.12.2024. Certificate No: SMBB LM2024008.

Workshop Organized

Two days hands on training on Bioinformatics: Genomics and Proteomics data analysis techniques on 30.09.2024 and 01.10.2024.

Research Publications (Indexed)

1. Murugesan, B., Subramanian, A., Bakthavachalam, S., Rajendran, K., Raju, S., & Gabriel, S. (2023). Molecular insights of anticancer potential of usnic acid towards cervical cancer target proteins: An in silico validation for novel anti-cancer compound from lichens. *Journal of Biomolecular Structure and Dynamics*, 42(18), 9475–9493.
<https://doi.org/10.1080/07391102.2023.2252076>.
2. Mucormycosis and COVID-19-A critical review of their convergence and impact
SelvanChristyrai Jackson
Durairaj,VenkatachalamBharathi,AnandhiSubramanian,AarthiChandrasekar,SarikaBahurajanPillai,NaseeraKannanthodiPariyapurath, (2025) goya journal
V(18):1,223. [DOI:12.163022.Gj.2025.v18.01.020](https://doi.org/10.1080/07391102.2023.2252076)
3. Anandhi. S., Bharathi. V., Prabhakaran. S. G., Vishnu Priya.,Dharshini. V. Antioxidant and Antidiabetic Efficacy of *Mimosa pudica*: A phytochemical perspective. *International Journal of Creative Research Thoughts*. (2024). V (12);12. ISSN: 2320-2882.
4. **Anandhi**,S, Nagavalli.S., Chellamani.P., Nagamurugan.N., Krishnan.G.M.V and E. Natarajan, 2006. Antimicrobial activity of *Ailanthus excelsa* - A Medicinal plant. *J.Swamy Bot-cl*. 23:91-94.

Books/Reports/Chapters

S. No	Title	Author'sName	Publisher	Year of Publication
1.	A Textbook of Nanobiotechnology, Concepts, Techniques And Its Applications	Ms. S. Anandhi Dr.M.Balasubramanian Dr.S.G.Prabhakaran Mr.K.Senthilkumar	AN Publications, Tiruvallur	2023
2.	The Biology of Biodiversity	Dr.M.Rajalakshmi Ms.S.Anandhi Dr.Juby T R Dr.S. Dinesh Kumar	Saliha Publications	2024

Presentations in Seminars

- **Anandhi.S**, Smitha. J., 2004.Commercialization of human genetics profits and problems at National Seminar on Emerging trends in Microbiology, Sri Ramakrishna College of Arts and Science at Coimbatore on Aug, 24 & 25, 2004.
- **Anandhi.S**, Nagavalli.S, Chellamani.P, N.Nagamurugan, G.M.V.Krishnan and E. Natarajan 2006. Antimicrobial activity of *Ailanthus excelsa* - A Medicinal plant at National seminar on Biomedicine in Aquaculture held at MS University, Kanyakumari on Mar 17 &18, 2006.

- **Anandhi .S**, Presented a model on Bio –reactor at a State Level Intercollegiate Seminar “Micro Galaxy_2004” held at SrimadAndavan College of Arts and Science, Tiruchirappalli on 01.10.2004 & won 3rd prize.

Patent

- Application number: 202241028324 A on the topic “An artificial intelligence based approach to study how the membranous cells support for diffusion of drug molecules”
- Application number: 202241027906 A on the topic “Artificial intelligence system to analyze the infections that spread from contaminated food”
- Application Number: 202541023164 IOT enabled Biosensor system for Real Time Environment Monitoring Using Lichen Mediated Nanomaterials Publication date:28.03.2025

Participation in Seminar

1. Participated in webinar “Technology for future “conducted by ICT Academy on the topic Introduction to AI &ML on 15.04.2020
2. Participated National Symposium on In silico& In-vitro studies in Biology”at DBT-BIF Centre, Holy Cross College, Tiruchirappalli on 11-13th October 2010.
3. Participated in webinar “Technology for future “ conducted by ICT Academy on the topic Robotic process Automation: Basics and Beyond” on 10.04.2020
4. Participated in webinar “the Future is here now “ conducted by ICT Academy on the topic from 27.04.2020 to 28.04.2020
5. Participated in webinar “Technology for future “ conducted by ICT Academy on the topic ” Design Thinking-Preparing the mind for disruption” on 17.04.2020
6. Participated in webinar “Technology for future “ conducted by ICT Academy on the topic “Introduction to VMWare Cloud” on 11.04.2020
7. Participated in webinar “Technology for future “ conducted by ICT Academy on the topic “The future of making ” on 14.04.2020
8. Webinar on “How to Publish a Research Paper?” organized by PG & Research Department of Computer Science & Applications, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode on 22.05.2020
9. “A One Day Webinar on Emerging Trends in Mathematical World 2021” organized by Department of Mathematics, Parvathy’s Arts and Science College 10.06.2021.
10. Webinar on “FOREST BIODIVERSITY AND CONSERVATION” Organized by Biodiversity Division, In association with Bioscience Departments, IQAC and IIC, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode on 24th May,2021
11. Webinar on “Virtual Reality” organized by BhagwanMahavir Engineering & Technology, Surat on 20.04.2020
12. Webinar on “Entrepreneurship and Career Development Programme “ organized by PG & Research Department of Computer Science & Applications, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode on 08.12.2020
13. One Day National Level Webinar on “A Dive into the World of Artificial Intelligence, Machine Learning and Deep Learning” organized by X-Gen Association, Department of

Computer Science, Parvathy's Arts and Science College ,Dindigul held on 07-06-2021 Monday.

14. Webinar on "COMPETENCY MAPPING FOR SELF EMPOWERMENT" Organized by PG & Research Department of Botany, Vivekanandha College of Arts and Sciences for Women (Autonomous), Tiruchengode on 17th December, 2020.

Participation in Workshop

- Training for Microbiology and Blood Banking at Doctors Diagnostic Centre, Tiruchirappalli (2005).
- Identification of Novel Drugs targets against Visceral Leishmaniasis _ (Kala-azar) under the guidance of Mr. Malikarjuna Chari U, in Bio Med Informatics (Bioinformatics & Cheminformatics Training, Research & Development Centre) at Hyderabad, from 08.06.2006 to 08.07.2006.
- Participated national workshop on "Molecular Techniques" held at DBT-BIF Centre, Holy Cross College, and Tiruchirappalli on 30-31 August, 2010.
- Workshop on Horticulture conducted by PG and Research Department of Botany, National College, Tiruchirappalli on 30.08.2007
- Training on "NCBI's ALFA: Allele frequency data for variant analysis and interpretation" Organised by NCBI on April 22,2020.
- Training Programme on "Laboratory Animal Handling Techniques" conducted by Department of Pharmacology, Swamy Vivekanandha College of Pharmacy, Tiruchengode on 3rd June 2022
- One month International Workshop on "Drug Discovery and Development" organized by DECODE life from 21.05.2022 to 15.06.2022
- Python 3.4.3 course offered by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.
- IP Awareness/Training program under National intellectual Property Awareness Mission on 04.11.2022 organized by Intellectual Property Office, India.
- Seven Days Online Workshop on Data analysis for Research Using SPSS (Basic and Advanced Courses) Leksha Research Centre, Gandhinagar, Gujarat from 21.09.2023 to 24.09.2023; 30.09.2023 to 02.10.2023
- Expert Lecture Series on Microbial Bioprospecting For Sustainable Health, Environment and Agricultural Centre for Drug Discovery and Development. Sathyabama Institute of Science and Technology (Deemed to be University) Chennai "Bacillus thuringensis: A potential entomopathogenic microbe for eco-friendly pest management" on 04.11.2023

Participation in Faculty Development Programme

1. Faculty development Programme on Financial Education for Executives" conducted by PG Department of Commerce, Vivekanandha Arts and Science College for Women, Sankari on 21.08.2018.

2. One week Faculty training programme on, “Creative methods and tools for effective research dissemination” IITDM, Kanchipuram, Department of Science and Technology (DST-SERB), New Delhi from 10.12.2022-16.12.2022
3. Medical coding training under NAN MUDHALVAN scheme organized by Periyar University from 21/02/2023 to 26/2/2023.
4. FDP on AI Tools Tamil Nadu Apex Skill Development Centre for Logistics An Initiative by Tamil Nadu Skill Development Corporation on 15.06.2023.
5. FDP on PCR Technology under NAAN MUDHALVAN scheme organized by Periyar University, Salem from 17.07.2023 to 21.07.2023.
6. “Naan Mudhalvan” FDP on Bioinformatics Periyar University, Salem on 08.01.2024 to 12.01.2024.
7. Faculty training program on Advanced Gene Cloning Techniques and Protein Purification organized by Amrita VishwaVidhyapeetam Kollam Sponsored by DBT 11.03.2024 to 27.03.2024.
8. FDP on National Intellectual Property Awareness Mission on 06.08.2024 organised by Intellectual Property Office, India, Ministry of Commerce and Industry, NIPAM, New Delhi.
9. FDP on Digital Productivity and AI Fluency, Microsoft in Partnership with Naan Mudhalvan from 01.07.2024 to 06.07.2024.
10. 5 days Online FDP on Enhancing Research Skills and Methodologies in Academia organized by Gobi Arts and Science College, Gobichettipalayam, Erode from 18.11.2024 to 22.11.2024.
11. AICTE sponsored six days ATAL Faculty Development Programme on “Enhancing Healthcare via Telemedicine: Leveraging Artificial Intelligence and IoT for Biosignal Processing” at Vivekanandha College of arts and Science for Women, Tiruchengode.

NPTEL/ SWAYAM ONLINE COURSES

1. Genome Editing and Engineering (ELITE 12 week course, Jul-Oct 2024), NPTEL - AICTE (FDP), funded by MoE, Govt. of India (IIT, Guwahati). Roll no. NPTEL24BT71S1051001231.
2. Molecular Biology (ELITE 12 week course, Jan-Apr 2024), NPTEL - AICTE (FDP), funded by MoE, Govt. of India (IIT, Guwahati). Roll no. NPTEL24BT07S655401426
3. Experimental Biotechnology (ELITE - 12 weeks course: Jul-Oct 2023) NPTEL, Funded by MoE, Govt. of India (IIT, Madras). Roll no. NPTEL23BT56S835401697
4. Basics of Biology (ELITE - 12 weeks course: Jan-Apr 2023) NPTEL, Funded by MoE, Govt. of India (IIT, Madras). Roll no. NPTEL23BT25S63541194.