

RESUME



E. ANJUKAM

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Career Objective

To dedicate myself to the cause of Life Science education, thereby preserving the ethics of the profession.

Educational Profile

- ❖ **Ph.D (Biotechnology)** –Submitted Thesis (Title: “Isolation and Molecular Characterization of Novel antibacterial Alkaloid from *Calophyllum inophyllum* seed oil”) in University of Madras and in the Process for Viva voce

Mohamed Sathak College of Arts and Science, Chennai [Dec 2014 to Mar 2018] - Guide change and course continuation - Sri Sankara College of Arts and Science, Kanchipuram [from Apr 2018 to till date].

- ❖ **M.Phil (Biotechnology)** – Bharathidasan University, Trichy.
69.66% - Year of Passing - 2007
- ❖ **M.Sc (Biotechnology)** – Vivekanandha College of Arts & Sciences for Women, Tiruchengodu, Periyar University, Salem.
62.7% - Year of Passing - 2005
- ❖ **B.Pharmacy** – Ultra college of Pharmacy, Madurai. The Tamilnadu Dr. M.G.R Medical University, Chennai.
63.6% - Year of Passing - 1999

Professional Experience – 6 years

- ❖ Worked as a Lecturer from 2009 Jan to 2012 Jan in the Department of Biotechnology at Mohamed Sathak College of Arts and Science, Chennai
- ❖ Worked as a Lecturer from 2007 to 2008 April in the Department of Biotechnology at St. Michael College of Engineering & Technology, Kalayarkoil, Sivagangai District, Tamilnadu
- ❖ Worked as a Lecturer from 2005 to 2007 in PG – Department of Pharmaceutical Chemistry at Srikalieswari College, Sivakasi, Tamilnadu.

Subjects Handles / Interested

- ❖ Immunology
- ❖ Biopharmaceutical Technology
- ❖ Microbial Biotechnology
- ❖ BioProcessing Technology & DownStream Processing
- ❖ Genetic Engineering
- ❖ Plant Biotechnology
- ❖ Bio-Informatics
- ❖ Chemistry of Synthetic Drugs
- ❖ Chemistry of Natural products
- ❖ Drug design and development process
- ❖ Pharmacokinetics & Pharmacodynamics

Project works done

- M.Phil** : Optimization of media for Transglutaminase Production by soil *Streptomyces* *Species*
- M.Sc** : Exploration of Electro Bio-resources for modern Micro technology.
- B.Pharmacy** : Preparation of Different formulation for home remedy and their evaluation & comparison.

Knowledge of Computers

- ❖ **Microsoft office**
- ❖ **Windows XP (Operating Systems)**
- ❖ **Mendeley**

Courses Completed

- ❖ **Data Analysis for Biologists – NPTEL, IIT- Guwahati**
- ❖ **Immunology – NPTEL, IIT- Kharagpur**

List of Journals Published

- ❖ Molecular characterization of potent antibacterial compound 4-(3-methylazetidin-1-yl)pentan-2-ol from *Calophyllum inophyllum* seed oil 16 January 2023, 102617, **Biocatalysis and Agricultural Biotechnology**-Elsevier, <https://doi.org/10.1016/j.bcab.2023.102617>
- ❖ A novel colorimetric technique for estimating iron in magnetosomes of magnetotactic bacteria based on linear regression, **Archives of Microbiology**, volume 204, Article number: 282 (2022) -Springer
- ❖ 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** volume 194, pages5132–5150 (2022) Springer
- ❖ SAR – Studies based CNS depressant activity of nitro-ketene dithio acetal derivatives, **Advance in Pharmacology & Toxicology** (ISSN – 0973-2381) Vol.No: 9(1), 2008 Page No:127-129,

Paper Presentations

- ❖ Presented the oral topic on ‘Isolation of novel antibacterial alkaloid compound from *Calophyllum inophyllum*(L)’ in the three-day National e-Conference on Bioprospecting of Marine derived metabolites for promising biotechnology applications: Current and future prospects (BMDM-2021) 29th to 31st December, 2021 organized by Centre for Drug Discovery and Development, Col. Dr. Jeppiaar Research Park, Sathyabama Institute of Science and Technology, Chennai.
- ❖ Presented the oral topic on ‘Phytochemical Analysis of *Calophyllum Inophyllum*[L] Seed oil’ in the 1st international Conference on Development in Pharmaceutical Sciences (ICDPS-2K18) organized by Scient Institute of Pharmacy, Ibrahimpatnam Hyderabad on 09 April 2018.

Activities and Involvements

- ❖ Familiar GC/MS, FTIR, NMR, Characterization of Metabolites
- ❖ Attended various Conferences / Seminars
 - National level Biological Congress on “BIOME AND BIOSCIENCES” Organised by Department of Biological Science, Muthayammal College of Arts & Science, Rasipuram, Tamilnadu, January 9th & 10th, 2004.
 - International Conference on “Recent Advances in Biosciences” held at Institute of Biological Sciences, PGP College of Arts & Science, Namakkal, Tamilnadu, 12th & 13th February, 2004.

- National Seminar on “Cheminformatics and Drug Design” organized by Department of Chemistry and Department of Computer Applications, Fathima College Madurai, Tamilnadu, 29th & 30th September, 2005.
- Symposium CHEMZEAL, University Industry Interface in Chemistry, organized by Department of Chemistry, Pondicherry University, Pondicherry, 17th March, 2006.
- Workshop on “Understanding and Counselling College Students” organized by Sri Kaliswari College, Sivakasi, Tamilnadu, 16th December 2006.
- International seminar on “New Insights in the Management of Antibiotic Resistance” organized by Department of Microbiology, Dr. ALM PG Institute of Basic Medical Sciences, University of Madras, 26th October 2009.
- National Level Seminar on “Natural Products – Drug Discovery and Development Current Status and Future Prospects”, BIOPHARMS 2K16 organized by the IQAC and the Department of Life Sciences, Valliammal College for Women, Chennai, Tamilnadu, 7th January 2017.
- Programme on “Creation of Scientific Awareness for Farmers, Self-Help Groups & Students” catalyzed and supported by Tamilnadu State Council for Science and technology (TNSCST), Chennai and orgnized by PG & Research Department of Biotechnology, Sri Sankara Arts & Science College, Kanchipuram, Tamilnadu, 13th to 15th February 2019.
- Workshop on “The Art of Writing Winnable Project Proposals” jointly organized by PG & Research Department of Biotechnology, Sri Sankara Arts & Science College, Kanchipuram, Tamilnadu and Centre for Intellectual Property Rights (CIPR), Anna University, 12th July 2019.

❖ Participated as organizing committee member in Symposium and Intercollegiate programs

Personal Profile

Date of Birth : 07.06.1977
Marital Status : Married
Nationality : Indian
Languages Known : English & Tamil
Hobbies : Reading Books, Listening Music, Drawing

Declaration

I hereby declare that all statements above are true and complete to the best of my knowledge and belief.



Place: Chennai
Date : 10-06-2023

(E. ANJUKAM)