

Name: Mrs. J. Shirly Angelin

Designation: Lecturer

Department: MICROBIOLOGY

Date of Joining: 21.07.2017

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Educational Qualification:

Degree	Subject	College / University & Place	Year Completed
Ph.D	Biotechnology	Madurai Kamaraj University	Pursuing from 2022
M.Phil	Biotechnology	Lady Doak College, Madurai Kamaraj University	2014
M.Sc	Biotechnology	Lady Doak College, Madurai Kamaraj University	2012
B.Sc	Biotechnology	Lady Doak College, Madurai Kamaraj University	2010

Specialisation in Teaching:

- Molecular biology
- Microbial Genetics.
- Microbial Gene Technology
- Recombinant DNA Technology
- Health & Nutrition

Specialisation in Research: Clinical and Environmental Molecular biology

Research Experience :

- *B.Sc Project:* “*In silico* prediction of candidate genes for Chikungunya Virus”
- *M.Sc Project:* “*In vitro* analysis of VNTR polymorphism in Schizophrenic patients”
- *M.Phil Project:* “*In vitro* analysis of VNTR polymorphism in Schizophrenic patients”

Skills:

1. Isolation of Nucleic acids - Genomic DNA, Plasmid DNA, RNA
2. Electrophoretic separation of Nucleic acids
3. Spectrophotometry
4. Nanodrop
5. cDNA synthesis

- 6. PCR & RT-PCR
- 7. Immunotechniques
- 8. Basic Bioinformatics tools

Other Work Experience:

Designation	Institution / Company	Year - From (month/year) To (month/year)
Project Trainee	Molecular Biology Laboratory. Department of Biotechnology, Lady Doak College, Madurai.	June 2012 to January 2013

Administrative /Academic Position/s (held / currently holding):

Positions held / currently holding	Nature of the position	Year - From (month/year) To (month/year)
Positions held	OIKOS Club President , Dept of Biotechnology, Lady Doak college.	June 2009 – April 2010
	OIKOS Club Secretary, Dept of Biotechnology, Lady Doak college	June 2010 – April 2011
currently holding	Member of the Lady Doak College Board of Studies in BIOTECHNOLOGY as a PG Alumna	01.10.2023 - 31.09.2026

Seminars attended:

- National level seminar on “Challenges faced in combating viral infections in today’s health scenario” (2010) , Lady Doak College, Madurai.
- National seminar on “Global threat of communicable and non-communicable diseases” (2011), Lady Doak College, Madurai.
- Regional seminar on “CANCER IN WOMEN” (2013), Lady Doak College, Madurai.
- Webinar organized by the Ladies Club of The American College, Madurai on 27th March 2020

- International Webinar on “Brief Perceptives of Nanotechnology- Biosynthesis and Bioapplication of Nanoparticles” conducted by PG and Research Centre of Zoology, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam. from May 27th to 29th 2020.
- 5 days seminar on MILLENNIAL GENERATION PSYCHOLOGY (online) specially designed for college professors and persons working with Millennial Generation, Organised by ANUGRAHA Capuchin institute of Counselling, Psychotherapy & Research, Didigul.15 – 19 June 2020

Workshops attended

- Workshop on “Recent Trends in Modern Biology” Science Academies’ Lecture 2018, sponsored by Indian Academy of Sciences, Indian National Science Academy and the National Academy of Sciences, from 23rd -25th January 2018, The American College, Madurai.
- Second International workshop on “Biomedical Applications in Translational Research (BATR 2020)” organized by department of Biomedical sciences, Alagappa university, Karaikudi, Madurai from 18.05.2020 to 19.05.2020.
- Skill Development Program Cum E-Workshop on "MS Excel for Research Scholars" conducted by A.C.T. Academy, Tamil Nadu on 20 & 21, January 2023.
- 2 days workshop on “Bioproduct development and IPR” organised by the Department of Microbiology, The American College, Madurai on 9 & 10 March, 2023.
- 3 days Workshop on “RT-PCR and Data Analysis” organised by International Research Center of Sathyabama Institute of Science and Technology, Chennai 20 – 22 July 2023
- 2 days workshop on “Animal cell culture techniques” organised by the Department of Microbiology, The American College, Madurai 25 & 26 September, 2023.
- 4 days Hands-on workshop on Artificial Intelligence powered Innovative Designs in Education organized by The American College & C.S.I Jeyaraj Annapackiyam College of Nursing in collaboration with UNESCO Chair & ASIA PACIFIC UNIVERSITY , Malaysia fro, 23 – 26 November, 2024

Conference

Participation

- International conference on Frontiers in Ethnopharmacology and Globalization of Natural Medicine” organized by the PG & Research Department of Biochemistry and Department of Microbiology on August 6, 2018.
- 5th International Conference on Genome Biology (ICGB-5) organized by School of Biological Sciences, Madurai Kamaraj University From 28th February – Mar 1st 2024.
- DBT – CTEP Sponsored International Conference On “NUTRIOMICS IN BIOTECHNOLOGICAL INNOVATIONS- ICNB124” organised by the Department of Food Science & Nutrition, The American College, Madurai from 5 & 6 March, 2024.
- International seminar on “FUTURE OF MULTI-OMICS RESEARCH IN BIOLOGICAL SCIENCES” organized by the Department of Biotechnology, The American College, Madurai on 27 November, 2024.
- National conference on New Paradigms in Biotechnology and Sustainability (NPBS) organized by Department of Biotechnology, School of Biological Sciences, St.Joseph’s College, Trichy on January 7, 2025.

Presentation

- Presented a poster on the title “Epidemiology and risk factor analysis of chronic kidney disease with type 2 diabetes and hypertension” at the International Conference on Consortium of Universal Research Erudition (iCURE) organized by Madurai Kamaraj University From 03 – 06 February 2023.

Faculty Development Programme

- Faculty Development Programme (**FDP**) on ACADEMIC PROCESS, MEASURES AND METRICS FOR NAAC ACCREDITATION” organized by the Department of Management studies , IQAC and INTEGRATED INTELLIGENT RESEARCH (IIR) Chennai from 25.05.2020 to 27.05.2020.
- Faculty Development Programme Workshop on MOLECULAR DOCKING TOOLS (under DBT STAR COLLEGE PROGRAMME) organized by the Department of Biotechnology V.V.V College for Women, Virudhunagar on 05.12.2022