



INTERNAL QUALITY ASSURANCE CELL (IQAC)

& DEPARTMENT OF CHEMISTRY

(Supported by DST-FIST&UGC-SAP)

PERIYAR UNIVERSITY

NAAC A++ Grade - State University - NIRF Rank 63 - ARIIA Rank 10
Salem – 636 011, Tamil Nadu, India

Jointly Organize



FACULTY DEVELOPMENT PROGRAMME ON ADVANCED RESEARCH METHODS IN SCIENCE (ARMS-2023)

Date: 18th – 25th January 2023

Venue: Smart Class Room, Department of Chemistry

ORGANIZING COMMITTEE

CHIEF PATRON

Prof. Dr. R. JAGANNATHAN
Hon'ble Vice-Chancellor
Periyar University
Salem

PATRON

Prof. Dr. R. BALAGURUNATHAN
Registrar (FAC)
Periyar University
Salem

COORDINATOR

Prof. Dr. G. YOGANANDAN
IQAC-Director
Periyar University, Salem

CONVENER

Prof. Dr. V. RAJ
Head, Department of Chemistry
Periyar University, Salem

ORGANIZING SECRETARY

Prof. Dr. R. RAJAVEL
Department of Chemistry
Periyar University, Salem

MEMBERS

Dr. P. Viswanathamurthi, Professor
Dr. A. Lalitha, Professor
Dr. K. Shanmuga Bharathi,
Assistant Professor
Dr. C. S. Maheswari, Guest Faculty
Dr. S. Ramya, Guest Faculty
Department of Chemistry
Periyar University, Salem

ABOUT PERIYAR UNIVERSITY

The Government of Tamil Nadu established Periyar University in Salem on 17th September 1997 as per the provisions of the Periyar University Act, 1997. The University covers the area comprising four districts namely Salem, Namakkal, Dharmapuri, and Krishnagiri. The University obtained 12(B) and 2(f) status from the University Grants Commission, New Delhi and it was reaccredited by the NAAC with "A++" Grade in 2021. The University secured 63rd rank among Indian Universities by MoE NIRF 2022. The University aims at developing knowledge in various fields to realize the maxim inscribed in the logo "Arival Vilayum Ulagu" (Wisdom Maketh the World). "Holistic development of the students" is the primary objective of the University.

ABOUT THE DEPARTMENT

The Department of Chemistry was established in the year 2004 to promote the significance and applications of Chemical Sciences to the Society. The department is imparting scientific knowledge among the students at PG level under Choice Based Credit System, besides M.Phil. and Ph.D. programs on full-time and part-time basis. Our faculty members are actively engaged in frontier research areas of chemistry. The department so far has produced 105 Ph.D and 216 M.Phil. It has published nearly 664 research papers in highly reputed international journals. The department has successfully completed 25 major research projects to the tune of about 4.5 crores and currently running 5 major research projects for about 2.6 crores. It is also supported by DST-FIST and UGC-SAP.

OBJECTIVES OF THE FDP

- To help faculty members in understanding the basics and use of advanced scientific techniques in conducting research
- To sensitize faculty members in developing their understanding to deal with some very basic concepts like hypotheses framing, testing and theoretical model development
- To provide conceptual facilitation in writing research papers, patents and projects

TOPICS

- Advanced Chemical Methods
- Advanced Physical Methods
- Advanced Biological Methods
- Advanced Statistical Tools
- Characterization Techniques
 - XPS
 - XRD
 - FESEM/TEM/AFM
 - GCMS/HR MASS
- Thermal Studies
- Biological Studies
- Computers in Science and Research
- Modeling Simulation & Docking Analysis
- Writing Paper / Review
- Writing Projects for various funding agencies
- Writing Patents
- Fellowships in Various Funding Agencies

FOR WHOM

The participants to the programs could be the faculty members who have a strong orientation towards research. Teachers of Science & Technology persons from the Periyar University engaged in active research and development.

PARTICIPANTS FEE



RESOURCE PERSONS

Resources persons are eminent and accomplished faculty members drawn from reputed universities and institutions like IISC, IIT, NIT as well as from the various departments of Periyar University.

REGISTRATION PROCESS

Total number of participants is limited to 30 on first come first serve basis for this FDP programme. Interested persons are required to send their nomination through Registration Form in the prescribed format at drarajavelpu@gmail.com on and before 12 Jan, 2023. Shortlisted participant will be getting information by the organizing Committee.



For registration kindly contact:

Prof. Dr. R. RAJAVEL

Organizing Secretary-ARMS 2023

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