

Name : Dr SHYAMALA DEVI N

Designation : Associate Professor

Department : Chemistry

Qualification : M.Sc., M.Phil., Ph.D.,

Experience : Teaching -17Years

Research : 15Years

Area of Specialization(s) : Environmental Chemistry / Physical Chemistry/ Nano chemistry

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Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
Ph.D.	Chemistry	PSGR Krishnammal College for Women, Peelamedu, Coimbatore	2019
M.Phil.	Chemistry	PSGR Krishnammal College for Women, Peelamedu, Coimbatore	2008
M. Sc.	Chemistry	PSGR Krishnammal College for Women, Peelamedu, Coimbatore	2005
B.Sc.	Chemistry	PSGR Krishnammal College for Women, Peelamedu, Coimbatore	2003

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/Agency Name	Year
Certification	Introduction to Forensic Science	Nanyang Technological University, Singapore	2022
Certification	Organic Solar Cells-Theory and Practice	DTU- Technical University of Denmark	2022
Certification	Introduction to Polymer Science	CIPET-Palkad	2023

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M.Phil.	8	-

Research Publications (Indexed)

International

1. A Comparative Study On Sequestration Of Lead (Ii) From Aqueous Environment Using Agro Waste Materials, Dr. N. Muthulakshmi Andal & Mrs. N. Shyamala Devi, Bodhi International Journal of Research in Humanities, Arts and Science, Volume 2, Year 2018, Pages 20-22
2. Virtual screening of treated pistachio vera shell powder as a potential sorbent in sequestering ubiquitous divalent metal ions from aqueous matrices , N. Shyamala Devi ., N. Muthulakshmi Andal ., K. Vivithabharathi .Oriental Journal of Chemistry, Volume 34, Year 2018, Pages 352-361
3. Adsorptive Seclusion of Malignant Lead(II) Utilizing a Potent Bio-Litter , Dr N Shyamaladevi , C Swathi Sri, Oriental Journal of Chemistry, Volume 38, Year 2022

Other Publications: International/National

1. Sorption characteristics of agro waste product in the removal of lead (II) Dr Andal N Muthulakshmi, Shyamaladevi N, TERI Information Digest on Energy and Environment, Volume 7, Year 2008, Pages 33
2. Confiscation of Nitrate ion from aqueous medium using a noxious aquatic weed- A Boon from Bane" N.Shyamala Devi, R.Revathi, Indian Journal of Environmental Protection, Volume 38, Year 2018, Pages 482-489
3. Confiscation of Ni (II) from aqueous environs using treated bivalve shells, N. Muthulakshmi Andal, N. Shyamala Devi, K. Vivithabharathi, S.Charulatha, Advances in Applied Research , Year 2018
4. Systematic examination on adsorption, coagulation activity of clearing nut seed in the removal of copious contaminants from fabric coloring and gold plating effluent, Dr N Shyamaladevi , K. Lavanya, R. Laxna, K. Menaka and M. Mounika, Advances in Applied Research Volume 15, Year 2023, Pages 12-20

Book Published

- DBT- SOP'S: Qualitative analysis of sugars and estimation of protein by biuret method has been published in 2018 life sciences protocol manual by department of biotechnology, ministry of science technology, government of India (2018)
- Published – Hand Book for Organic Practical's for II B.Sc. Chemistry with ISBN number during 2019

Short Term Course : 05

Letter of Appreciation : 05

1. Kathir College of Engineering , Awareness on Anti - Microbial Resistance (AMR)- 13.10.2023
2. KPR Institute of Engineering and Technology-Awareness on 'Anti- Microbial Resistance (AMR)' which is the need of the hour - 16.10.2023
3. Kavery Arts & Science College, Salem- Awareness on 'Anti- Microbial Resistance (AMR)'- 22.12.2023
4. Park College of Technology- Awareness on 'Anti- Microbial Resistance (AMR)-22.01.2024
5. Mangayarkarasi College of Arts and Science for Women, Madurai-March 2024

Acted as a Resource Person

1. Seminar on “Consequences of AMR-Targeting Youth“-Kathir College of Engineering, Coimbatore.(2023-24)
2. KPR Institute of Engineering and Technology-Awareness on 'Anti- Microbial Resistance (AMR)' which is the need of the hour - 16.10.2023
3. Kavery Arts & Science College, Salem- Awareness on 'Anti- Microbial Resistance (AMR)'- 22.12.2023
4. Park College of Technology- Awareness on 'Anti- Microbial Resistance (AMR)-22.01.2024
5. Mangayarkarasi College of Arts and Science for Women, Madurai-March 2024
6. DST-FIST PG Colleges Level (A) sponsored Seminar on Healthy Habits, Healthy Lives: Preventing Antimicrobial Resistance Vivek Vidhya Mandir and Vivek Vidhyala Matriculation Higher Secondary School, Kinathukadavu, Coimbatore (2024-25)
7. DST-FIST PG Colleges Level (A) sponsored Seminar on Antimicrobial Resistance: A Silent Threat Bharathi Kala Bhavan and Kids Park Matriculation Higher Secondary School, Kinathukadavu, Coimbatore(2024-25)

Reviewer in journal

Oriental Journal of Chemistry

Paper Presentations in Conference

International : 10

National : 15

Presentations in Seminar : 20

Participation in Conference :50

Participation in Seminars : 45

Participation in Workshop : 20

Participation in Faculty Development Programme : 30

Participation in Webinar :50

Conference/Seminar/Workshop Organized : 25

Grants

- Co-Principal Investigator for the Minor Project entitled “Lake Restoration” funded by Unnat Bharat Abhiyan under MHRD, Government of India (2019-2020)
- Completed one major project funded by DST-NCSTC, Government of India entitled “Preserve Water Protect Nature” (2020-2022)
- Collaborated with Kovai Kulangal Paathukaapu Ammaippu (NGO’s) and undergone societal project on the topic -Reclamation of forest by Miyawaki Technology (2022)

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
The Indian Science Congress Association	Life Member	Life Long
Association of Chemistry Professor	Life Member	Life Long
Society for Advancement in Chemical Sciences and Education (SACSE)	Life Member	Life Long
Member of Advances in Applied Research	(Biannual Research Journal)	Twice in a year

Contribution

- Co-Principal Investigator for the Minor Project entitled “Lake Restoration” funded by Unnat Bharat Abhiyan under MHRD, Government of India (2019-2020)
- Project Supervisor for Community oriented Student Project on “Systematic Examination on Adsorption and Coagulation Activity of Strychnos Potatorum Seeds in the Removal of Fabric Colouring and Gold Plating Effluent” (2019-2020)
- Project Supervisor for Community oriented Student Project on “A case study on the parametric examination of Bore Well Water in Central Districts of Tamil Nadu” (2020-2021)
- Project Supervisor for Societal Project Supervisor “Valuation on Physico-chemical measures of groundwaters and surface water collected from Kanniyakumari, Salem, Virudhunagar and Coimbatore districts” (2020-2021)
- Project Supervisor for Effectiveness of Nirmali seed and Moringa oleifera seed as a natural coagulant for purification of lake waters and grey water: screened by physio-chemical assessment/adsorption & jar test (2020-2021)
- Project Supervisor for Community oriented Student Project on “Rapid Assessment cum Awareness on Meager Water Quality Indicators to the Communal at different zones of Tamil Nadu: A Societal Recreational Survey” (2020-2021)
- Faculty Mentor for 10 students of II B.Sc Chemistry for ReACT Programme (2021-22)
- As a coordinator, coordinated 14 B.Sc & 1 M.Sc Chemistry students to attend International Summer Internship at CETYS University , Mexico (2021-22)

- Mentored a student from III B.Sc Chemistry to attend the Summer Internship at CETYS University , Mexico(2021-22)
- Hands on training given to Operate Instruments and experiments involving distillation, refluxing and first aid and safety measurements in the lab for non-teaching faculty (2022)
- Educated the Rural Govt. School Children about Poor Water Quality Indicators - Impact on Human and Water management Process for future generations [RWTP-Annur, Coimbatore District, Tamil Nadu] (2021)
- Organized A massive survey marathon on the topic “ Water Management & Practices” -2500 students & communal people around all zones of Tamil Nadu participated (2022)
- Organized a Webinar on Water Pollution – Remedies over Water Scarcity to the students from various Arts & Science Colleges in and around Tamil Nadu (2021)
- Organized a Webinar on Water Pollution – Remedies over Water Scarcity to the students from various Arts & Science Colleges in and around Tamil Nadu (2021)
- Acting as a Coordinator for Unnath Bharath Abhiyan (2024-Till Date)
- Acting as a department Coordinator for DST-FIST PG Colleges Level (A) 2023-Till date
- Acting as a Member for Audit Committee 2024-Till Date
- Department Association In-charge (2014-15) & (2022-2023) and BOS member 2008-Till Date
- Acting as a department i/c for Criteria-V since 2019 onwards