

MANNAR THIRUMALAI NAICKER COLLEGE

(Autonomous)

Pasumalai, Madurai – 04

Staff Profile



NAME OF THE FACULTY : N. LAKSHMI KRUTHIKA

Designation : Assistant professor

Department : Chemistry

Mail ID : lakshmikruthika@mannarcollege.ac.in

Field of Specialization : Organometallic chemistry, Nanochemistry

Educational Qualifications : CSIR-UGC-NET June 2009 & Dec 2009

M.Phil Chemistry (2008) Pondicherry University

M.Sc Chemistry (2007) The American College, Madurai.

B.Sc Chemistry (2005) P.S.G.R.Krishnammal College

for Women, Coimbatore

Teaching Experience : 10 years 6 months

Research Experience : Research Intern at National Metallurgical Laboratory (NML), CSIR, Madras Centre for two years.

Publications:

- *Degradation of Tannic Acid Powered by TiO₂ Nanoparticles*, Materials Science Forum Vol. 734 (2013) pp 117-126, Photocatalytic Materials & Surfaces for Environmental Cleanup-II, Trans Tech Publications Kreuzstr. 10 CH-8635 Zurich-Durten, Switzerland
- *Efficacy of electrocoagulation and electrooxidation for the purification of wastewater generated from gelatin production plant*, Journal of Environmental Chemical Engineering 1(2013) 183 – 188
- *Degradation Of Tannic Acid Using Tio₂ Nanotubes As Electrocatalyst*, Journal of Nanoscience, 2013, article ID: 481023

Resource Person: 4

Expert/ Member	Name of the institution	Board / Interview Panel	Date
Judge	Devasakayam Matriculation Higher Secondary School	Science Expo-2019	Dec 2019
Member	Kedriya Vidyalaya School, Tiruparankundram, Madurai	Interview panel	Feb 2020
Chief guest	Department of Microbiology, MTNC, Madurai	Guest lecture on ‘ ROLE OF MICRONUTRIENTS IN HUMAN PHYSIOLOGY’	Sep 2023
Chief Guest	Maharishi Vidhya Mandir, Madurai	Science Expo	Jan 2024

Workshops / Seminars / Conference attended: 5

Name of the Programme	Name of the Institution	Date
One day workshop on 7 ‘Research writing and publications: Theory and Practice	Mannar Thirumalai Naicker College	19.10.2019
One day Capacity building programme on ‘Outcome based education’	Mannar Thirumalai Naicker College	28.08.2019
e- content Development and Digital Tools Usage	Mannar Thirumalai Naicker College	29.02.2020
Capacity Building Programme on 21st Century Skills	Mannar Thirumalai Naicker College	05.03.2020
Quality Assurance and Sustenance in Higher Education	Mannar Thirumalai Naicker College	11.03.2020
A Virtual Connecct with Group Theory	DG Vaishnav College	21.05.2020 to 31.05.2020
International Conference on “ Functional Nanomaterials and Nanodevices”	Chettinad Academy of Research and Education	26 .09. 2023

Posters Presented in Conferences : 3

Name of the Programme	Name of the Institution	Title of the paper	Date
Emerging Trends in Chemistry and Energy Science	Saraswathi Narayanan college, Perungudi, Madurai	Synthesis of Malononitrile Based Conjugated Diol	02 FEB 2020
International Conference on Frontiers in Chemistry and Material Science	Mannar Thirumalai Naicker College	Synthesis and Characterisation of mixed ligand Complexes involving Pseudo – Halide ligands	21-22 DEC 2021
One-Day International Conference on Emerging Trends in Materials Science (ETMS-2024)	Saraswathi Narayanan college, Perungudi, Madurai	Mixed-ligand complexes involving pseudo-halide ligands - synthesis, characterisation and anti-bacterial studies	23 FEB 2024

Professional development Programmes attended

- a. Refresher Courses : 2
- b. Orientation Courses : 2
- c. Faculty Development Programmes (FDP) : 7
- d. Short Term Courses : 1
- e. Training Programmes : 1

Name of the Professional Development Programme	Date and No.of Days	Name and address of the Institution imparting training
Two- week Faculty Development Programme	01.02.2022 to 15.02.2022	Ramanujan College, Delhi University

Online Refresher Course in Chemistry	01.06.2022 to 14.06.2022	UGC- HRDC, Pondicherry University
UGC sponsored PMMMNMTT Faculty Induction Programme	4/6/2020 to 1/7/2020	Ramanujan College, Delhi University
UGC- Sponsored Faculty Induction Programme	23.11.2020 to 22.12.2020	UGC-HRDC, Madurai Kamaraj University
2 Day Orientation Programme On Teaching Methodologies	JUN 2014	Jerusalem College of Engineering
One week Faculty Orientation PROGRAMME	NOV 2018	DGVaishnav College
Seeking new knowledge(s) beyond frontiers	05-10-2017	Dg Vaishnav College, Chennai
FDP on Promotion of AP Score and Career Advancement Scheme	03.03.2020	Mannar Thirumalai Naicker College
Online National Faculty Enrichment Programme	13.05.2020 to 18.05.2020	Mannar Thirumalai Naicker College
FDP on 'Evolution from Offline to Online Teaching'	30.05.2020 to 03.06.2020	Sathish Pradhan Dnyanasadhana College, Thane in association with University of Mumbai
Short term course in "Nanomaterial Characterization Techniques"	04.01.2021 to 09.01.2021	UDC-HRDC, Jawaharlal Nehru Technological University, Hyderabad
In-service Teacher Training Program in Physical Sciences – Batch II	05.05.2022 to 06.05.2022	TANSICHE- Sri Meenakshi Government Arts College for Women
International online FDP on AI Tools for Research and Publishing	14.02.2024 to 16.02.2024	Mannar Thirumalai Naicker College

Programmes Organized:

S.	Date	Name of the Programme	Name of the
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No			Institution
1	01.08.2023	Guest Lecture in Role of Chemistry in Organic synthesis	Mannar Thirumalai Naicker College

Administrative Services Rendered in the College

S. No	Position Held	Period
1	HOD of Allied Chemistry (Aided)	07.08.2019 to till date
2	Coordinator for Food Processing And Quality Management-Community College	01.07.2019 to 31.05.2020
3	Assistant Controller of Examinations	15.02.2020 to 14.02.2023
4	HOD of Chemistry (SFW)	17.04.2023 to till date

Other Distinction : Society for Advancement of Chemical Sciences and Education (SACSE), IGCAR, KALPAKKAM - LIFE TIME MEMBER