

PROFILE

Name	Dr. Padmavathy N
Position & Affiliation	Associate Professor, Department of Chemistry
Areas of Interest	Nanomaterials for Photocatalysis
Email	padmavathy.chem@cambridge.edu.in
LinkedIn ID	https://www.linkedin.com/in/padmavathy-n-7340011a1/
Google Scholar ID	https://scholar.google.com/citations?user=CX2r-EQAAAAJ&hl=en&authuser=1
ORCID ID	https://orcid.org/0000-0003-4025-1683
Vidwan ID	https://citech.irins.org/profile/270702
Scopus ID	57359123200
Professional Webpage (if any)	

Educational Qualifications:

Ph.D.	Visveswaraya Technological University	India	2023
M.Sc.	NMKRV, Bangalore University	India	1999
BE	NMKRV, Bangalore University	India	1996

Areas of Research: Nanometal Oxides for Photocatalysis

Brief Profile: (write about yourself)

Dr. Padmavathy N, is an Assistant Professor in the Department of Chemistry at Cambridge Institute of Technology. She is awarded Ph.D. from Visveswaraya Technological University.

She has 22 years of rich experience in teaching and 2.5 years of industrial experience. She worked as Junior Scientific Assistant at Shiva Analytical (Ind) Ltd, Bangalore for 2years, and Chief Chemist at Karnatak Agro Chemicals for 6 months, Bangalore, and worked as Lecturer at Garden City College of Science and Management, Bangalore for 7yrs. She has good exposure to analytical skills in quantitative analysis of metals and minerals, she has exposure to analytical instruments ICP-MS, AAS, Mercury analyzer, UV-Vis spectrophotometer, IR spectrophotometer and Flame Photometer, participated in more than 10 workshops in different fields of Chemistry, ISO training and NABL training, attended one day workshop in CPRI and National Seminar at MSRIT. She has attended and presented papers in national and international conferences. She has carried out a Mini project on Physico-chemical properties of K R Puram lake water, she has guided student projects on the topics Renewable energy sources, Soil analysis and Water analysis and Sensors. She was the mentor for Manthan-2022 Business Plan Competition (Title: U-Hydrogen, a future

fuel).She has organized CSR activities. She is a BOE member- CMR Autonomous College Bangalore (B.Sc.) and Garden City University (B.Sc.).

She has Published Two Text books and one guide on Engineering Chemistry.

She has been associated with Cambridge Institute of Technology since 2009.

She is a life member of Liquid Crystal Society and ISTE.

Awards/Achievements/Others: KSET-2013

- NPTEL Courses Completed:** 1. Outcome Based Pedagogic Principles for Effective Teaching April-2023
2. Thin Film Technology Oct-2024

- FDP's:** 1. Freshers Course on Materials for Energy and Sustainability, CS2-IISER Bhopal from Nov 04-12, 2024
2. NPTEL, AICTE Faculty Development Program on the topic “Thin Film Technology” Funded by MoE, Govt of India (12 Weeks)
3. NPTEL, AICTE Faculty Development Program on the topic “Outcome Based Pedagogic Principles for Effective Teaching” Funded by MoE, Govt of India (4 weeks)
4. Two days educational summit on “OUTCOME BASED EDUCATION AND NATIONAL ASSESSMENT AND ACCREDIATION(NAAC) organized by Microsoft India in association with IQAC Maharashtra Institute of Technology, Aurangabad on 14-15 May-2021
5. One-week FDP program on “Universal Human Values” organized by AICTE from 05-10-2020 to 09-10-2020.

Courses Taught: B.Sc. Organic and Physical Chemistry
BE: Engineering Chemistry

Publications/Patents:

Publications	<ol style="list-style-type: none"> 1. Direct Sunlight driven photocatalytic degradation of hazardous organic dyes using TiO₂-NiO nanocomposite p-n junction https://doi.org/10.1088/1742-6596/2070/1/012044 2. Modified Auto-Combustion Synthesis of Mesoporous TiO₂-NiO Nanosheets for Selective Adsorption https://doi.org/10.4028/p-52um51 3. Adsorption of hazardous azo dye from aqueous solution onto Parthenium flower activated carbon: Approach to the batch and regeneration studies ISSN:2319-6890(online),2347-5013(print)
Patents	
Book/Book	

Chapters

1. A Text book for First Year Engineering, As per VTU CBCS Scheme, Excellent Engineer Publications, 2018, ISBN: 978-81-931-9350-1
2. Applied Chemistry [For BE I/II Semester-CSE Stream and allied branches (CS/IS/AI/BT)], Sun star Publishers, 2023, ISBN: 978-93-86550-61-3

Research and Consultancy: