



ANNAMACHARYA UNIVERSITY

EXCELLENCE IN EDUCATION; SERVICE TO SOCIETY
(ESTD, UNDER AP PRIVATE UNIVERSITIES (ESTABLISHMENT AND REGULATION) ACT, 2016)
Rajampet, Annamayya District, A.P – 516126, INDIA

Faculty Profile

Basic Information:

NAME : Dr.I.Pugazhenth
DESIGNATION : Assistant Professor
DEPARTMENT: Department of Chemistry
DATE OF BIRTH : 07-07-1984
DATE OF JOINING : 14-06-2019
EMAIL ID : pugalchemist@gmail.com
EMPLOYEE ID: :1402



Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D.	Thiruvalluvar University, Vellore, Tamil Nadu	2019
M.Sc.	University of Madras, Chennai, Tamil Nadu	2010
B.Sc.	University of Madras, Chennai, Tamil Nadu	2018

Research Details:

1. Areas of Specialization	:	Chemistry
2. No. of Publications	:	14
3. Awards Received	:	NIL
4. Research Guidance		
	No. of PhD Guided:	NIL
	No. of MTech. Guided:	NIL
	No. of B.Tech. Guided:	NIL
5. Details of Professional Membership:		NIL
6. Subjects Taught	:	Engineering Chemistry, Chemistry



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Publication Details:

Title	Publisher	Published Year
Carbon Sequestration and Wastewater Treatment: An Approach to Reduce Carbon Footprint	Taylor & Francis	2025
Synergistic Effects of Nanofillers in the Thermal and Optical Properties of Functional Polymers	Springer Nature	2025
A study on Fast-Charging Technologies and the influence of Battery Lifespan in electric vehicle	E3S Web of Conferences	2025
Development of titanium dioxides for anticorrosive coatings for corrosion protection	Elsevier	2023
Photostable electroactive polymer-based nanocomposite films for the protection of mild steel from corrosion	SAGE Publications	2021
Nanomedicine: General Introduction from A to Z	Springer International Publishing	2021
Corrosion protection performance of titania nanoparticles filled poly (4-methyl-5-vinylthiazole) applied on mild steel in 3.5% sodium chloride solution	SAGE Publications	2021
Design, Development, and Optical Properties of Functional Active Methacrylate Polymer/ ZnO Nanocomposites	CRC Press, Taylor & Francis	2018
UV and corrosion protective behavior of polymer hybrid coating on mild steel	Wiley	2018
Synergistic effect of functionally active methacrylate polymer and ZnO nanoparticles on optical and dielectric properties	Elsevier	2017
An electrically active methacrylate based polymer reinforced with ZnO-Synthesis, characterization and dielectric properties	Elsevier	2016
Synthesis, structure determination, and antioxidant activity of novel 1-pyrazolyl-3-substituted isoquinolines, 1-pyrrolyl 3-substituted isoquinolin-1-amine, and 1-pyrazolonyl-substituted isoquinolines	Springer Netherlands	2015



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Water mediated reactions: TiO ₂ and ZnO nanoparticle catalyzed multi component domino reaction in the synthesis of tetrahydroacridinediones, acridindiones, xanthenones and xanthenes	Royal society of chemistry	2015
Design, Fabrication, and Characterization of Electrically Active Methacrylate-Based Polymer-ZnO Nanocomposites for Dielectrics	CRC Press, Taylor & Francis	2015