



# 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 : SHAIK MOHAMMED GHOUSE  
DESIGNATION : ASSISTANT PROFESSOR  
DEPARTMENT: HUMANITIES & SCIENCES  
DATE OF BIRTH : 11-08-1983  
DATE OF JOINING : 10-08-2015  
EMAIL ID : shamog@gmail.com  
EMPLOYEE ID: : 313



### Academic Profile:

Qualification	Name of the Board/University	YEAR
M.Sc., Chemistry	Sri Venkateswara University, Tirupati	2008
B.Sc., Chemistry, MB,MLT	Sri Venkateswara University, Tirupati	2004
B.Ed.	Maulana Azad National Urdu University, Hyd.	2006

### Research Details:

1. Areas of Specialization	:	Organic Chemistry, Polymer Composite Materials
2. No. of Publications	:	08
3. Awards Received	:	Nil
4. Research Guidance		
	No. of PhD Guided:	Not Applicable
	No. of MTech. Guided:	Not Applicable
	No. of B.Tech. Guided:	Not Applicable
5. Details of Professional Membership:		Nil
6. Subjects Taught	:	Engineering Chemistry Chemistry Environmental Science Organic Synthesis - II Organic Chemistry-1



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## Publication Details:

Title	Publisher	Published Year
Green chemical approach: microwave assisted, titanium dioxide nanoparticles catalyzed, convenient and efficient C-C bond formation in the synthesis of highly functionalized quinolines and quinolinones.	RSC Advances	2014
Water mediated reactions: TiO <sub>2</sub> and ZnO nanoparticle catalyzed multi component domino reaction in the synthesis of tetrahydroacridinediones, acridindiones, xanthenones and xanthenes.	RSC Advances	2015
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.,	Research on Chemical Intermediates	2015
UV Protecting Behavior of Imidazole Based ZnO Hybrid Thin Films for Sunscreen Applications	International Journal of Recent Technology and Engineering (IJRTE)	2019
Corrosion protection performance of titania nanoparticles filled poly (4-methyl-5-vinylthiazole) applied on mild steel in 3.5% sodium chloride solution	Journal of Plastic Film & Sheeting	2021
Nanomedicine: General Introduction from A to Z	Nanotechnology in Medicine	2021
Development of titanium dioxides for anticorrosive coatings for corrosion protection	Smart Anticorrosive Materials	2023
Energy Storage Optimization in Electric Vehicles for improving vehicles to grid Performance	E3S Web of Conferences	2025