



# 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. Sreevani  
DESIGNATION : Associate professor  
DEPARTMENT: Humanities and Sciences  
DATE OF BIRTH : 01/06/1973  
DATE OF JOINING : 27/06/2025  
EMAIL ID : srivani.kadapa@gmail.com  
EMPLOYEE ID: :2186



### Academic Profile:

Qualification	Name of the Board/University	YEAR
Ph.D	Sri Krishnadevaraya University, Anantapuram	2011
MSc	Sri Krishnadevaraya University, Anantapuram	1995
BSc	Govt Degree College for men and women, Anantapuram.	1993

### Research Details:

1. Areas of Specialization	:	Inorganic Chemistry, Analytical Chemistry
2. No. of Publications	:	15
3. Awards Received	:	01
4. Research Guidance		02 Guiding
	No. of PhD Guided:	02
	No. of MTech. Guided:	
	No. of B.Tech. Guided:	
5. Details of Professional Membership:		1.Life Member Indian Society for Technical Education.(ISTE) 2.Life member of Society for Advancement in Chemical Science and Education (SACSE)



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6. Subjects Taught	:	Engineering Chemistry, Chemistry, Environmental Chemistry, Environmental Studies, Green Chemistry(Open Elective), Fuel Technology (Open Elective).
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## Publication Details:

Title	Publisher	Published Year
“Synthesis of 2-Hydroxy-3-Methoxy Benzaldehyde Thiosemicarbazone (HMBATSC) and its application for direct and second derivative spectrophotometric determination of $\text{Pd}(\text{II})$ ”.	Journal of Annali di chimica, Societa Chemical Italiana.	2007.
2-Hydroxy-3- Methoxy Benzaldehyde Thiosemicarbazone (HMBATSC) as a Spectrophotometric Reagent for the Simultaneous Determination of Indium (III) and Vanadium (IV) in synthetic Mixtures”.	International Journal of Chemistry and Applications, ISSN 0974- 3111, Vol.3, No.3.	2011.
“A Rapid and Simple Spectrophotometric Determination of Traces of Chromium (VI) in Waste Water samples and in Soil samples by using 2-Hydroxy, 3-Methoxy Benzaldehyde Thiosemicarbazone (HMBATSC).	IOSR Journal of Applied Physics.	Jan. - Feb. 2013.
“Direct and second order derivative spectrophotometric Determination of Vanadium (IV)”.	International Journal of ChemTech Research.	April -June 2012.
“Non-extractive spectrophotometric determination of $\text{Cu}(\text{II})$ using 2-Hydroxy-3 Methoxy Benzaldehyde Thiosemicarbazone (HMBATSC)”.	IOSR Journal of Applied Chemistry.	Sep.2016.
“Simultaneous Derivative Spectrophotometric Determination of Indium (III) and Iron (II)”.	Journal of Chemical and Pharmaceutical Research.	2016.
“Simultaneous Derivative Spectrophotometric Determination of Chromium (VI) and Indium (III)”.	International Journal of Engineering & Scientific Research,	October 2016.
“Simultaneous Derivative Spectrophotometric Determination of Chromium (VI) and Vanadium (IV)”.	Journal of Chemical and Pharmaceutical Research.	2016.
“Graphene-CuO nano composite for efficient photocatalytic reduction of $\text{Pb}(\text{II})$ under solar light irradiation”.	Applied ecology and environmental science	2019.
“An Analytical Study on Thermodynamic 2, 3 Dichloro Pentane And Benzene”.	Journal of the Asiatic Society of Mumbai (UGC Care Group 1 Journal),	July 2020



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“An analytical study on pharmacological studies and photo chemistry on mucuna pruriens”.	ANVESAK (UGC Care Group 1 Journal)	Dec 2020.
“Synthesis of Novel Phosphorylated Derivatives of (R) - 1-(6 -Amino-9H-purin-9 yl) Propane-2-ol and their Antiviral Activity”.	Natural Volatiles & Essential Oils.	2021.
“Addressing the Synthesizing challenges associated with the use of Medicinal Chemistry”.	Bulletin of Environment, Pharmacology and Life Sciences.	May2022.
“Enhanced Solar Light-Driven Photocatalytic Degradation of Tetracycline using Fe <sup>3+</sup> doped CdO/ZnS nano composite: Mechanistic insights and performance Evaluation”,	Catalysts, (SCIE Journal	2023.
“Synthesis of New Schiff’s Bases in Aqueous Medium under Ultrasonication Method”.	Journal of Technology, (Scopus Journal).	2023.

## Patent Details:

Title of Patent	Submitted/Published/Awarded
Title of the invention: Synthesis of Aryl Amides from Isocyanides and Carboxylic Acids using Ultrasound promoted under ambient conditions, (Patent Application No.202241066486A).	Published
Title of the invention: Evaluation and Development of Analytical Procedure for determination of heavy metals used by Industrial Effluents, (Patent Application No.202241066490A).	Published
Title of the invention: Treatment of Water Purification with Modification of Surface, Physical and Chemical Properties of Activated Carbons, (Patent Application No.202241076559 A).	Published

## Text Books Details:

Title of the Textbook	Publisher	ISBN
A Text book of “Chemistry for Engineers”.	Research India Publications, India.	(ISBN: 978-93-92437-30-4)
A book “Chemistry lab manual cum record”.	Research India Publications, India.	(ISBN: 978-93-92437-15-1).



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A Text book “Environmental studies”.	Shree Publishing House, India.	(ISBN: 978-93-91117-95-5).
“A text book of Chemistry”	Shree publishing house, India.	(ISBN: 978-93-91117-93-1).
A book of “Agriculture for Engineers manual cum record”	Professional Books Publisher, Hyderabad.	(ISBN: 978-93-91679-21-7).
Published book chapter “Estimation of Chlorophyll Pigment in Cyamopsis tetragonoloba (Cluster bean) in different Samples.	BP international, West Bengal India.	(ISBN: 978-93-5547-859-7).
A text book of “Solid state Physics”,	Iterative international publishers, USA	(ISBN: 978-16-8576-356-5).
A text book of “Photo catalytic Degradation Of Heavy Metals”.	Red Shine Publications Pvt Ltd, Lunawada, Gujarat, India.	(ISBN : 978 93- 95456-49-4)
A text book of “RENEWABLE ENERGY”	Scientific International publishing house, INDIA.	(ISBN: 978-93-6674-459-9).