

FACULTY PROFILE

Name of the Faculty:		Dr. UMAMAHESWAR KORRAPATI				
Designation:		Assistant Professor				
Department:		CHEMISTRY				
Date of Birth:		09/06/1978				
AICTE – ID:	1-9313037182					
Education	- B.Sc. in BZC from Nagarjuna University in 1998. - M.Sc. in Organic Chemistry Specialization from Acharya Nagarjuna University in 2005. - M.Phil. in Chemistry from Periyar University in 2008. - PhD in Chemistry (Pharmaceutical Analysis) specialization from Acharya Nagarjuna University in 2018.					
Experience	Teaching: 19 Years	Industry: __ - __ Years	Total: __19__ Years			
	Research: 16 Years	Others: __ - __ Years				
Research Specialization		✂ Pharmaceutical Analysis ✂ Food Chemistry ✂ Nanomaterials ✂ Green chemistry				
Courses taught	1. Engineering Chemistry 2. Chemistry in Space Technology 3. Organic Spectroscopy 4. General Chemistry 5. Human Values & Professional Ethics					
Research contributions						
International/national peer reviewed journals						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1	Michael reaction of indoles with alpha, beta unsaturated carbonyl compounds by using environmental benign reagent DIB	Research Journal of Chemistry and Environment	2025	29(12)	118 - 130	SCOPUS
2	Development and	<i>Research</i>	2024	17(4)	1703-	SCOPUS

	Validation of a Rapid and Sensitive LC-APCI-MS/MS Method for the determination of three N-nitrosamine impurities in Varenicline tartrate drug substance and drug products	<i>Journal of Pharmacy and Technology</i>			1710	
3	Growth, structural and optical studies on pure and L-Histidine doped single crystals of copper sulphate	<i>Chelonian Conservation and Biology</i>	2023	18(2)	1448-1454	SCI
4	Structural, optical and antibacterial studies of pure and amino acid added single crystals	<i>Chelonian Conservation and Biology</i>	2023	18(2)	1435-1447	SCI
5	Development and validation of a sensitive and stable HSGC-MS/MS method for the simultaneous determination of two N-nitroso amine impurities in Omeprazole sodium drug substances and drug products by using quality by design approach	<i>International Journal of Research and Analytical Reviews</i>	2023	10(1)	11-18	Google scholar

Books published

S. No.	Title of the book	Publisher	year
1	<i>Objective Physical Photochemistry</i>	<i>Chem Sparrow publications</i>	2025
2	<i>Fundamentals of Chemistry</i>	<i>Blue Ink Publishing House</i>	2023

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
1				

Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published /granted
1	202241036591 A	SYSTEM FOR VALIDATING A NEW HPLC BIO ANALYTICAL INTERNAL STANDARD METHOD FOR THE ANALYSING FAVIPRAVIR IN HUMAN PLASMA	22/07/2022	Published

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S.No.	Name of the event	Role	Dates
1	International Conference on AI driven Chemistry: Innovations in Next generation Smart materials, Pharmaceuticals and Healthcare	Member	27/03/ 2025 to 29/03/ 2025
2	National Conference on Synergies in Chemistry, Material Science & Quantum Computers-2024	Member	29/01/2024 to 31/01/2024

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates
1	FDP (online) on Role of Chemistry in Advanced Engineering Materials	Vasavi College of Engineering(A), Hyderabad	03/02/ 2025 to 08/02/ 2025
2	STP on Material Science and Nanotechnology	UGC-MMTTC, Central University of Kerala	02/12/ 2024 to 07/12/ 2024
3	National Seminar on Chemistry in Sports: Analytical Techniques behind Anti-doping Testing	IIC, Amity University	21/03/2025
4	National Seminar on Intellectual Property Rights and their Significance in Scientific Research	IIC, Amity University	22/04/2025

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	College Best Teacher Award	Bapatla Education Society, Bapatla	2022-2023

Details of project proposals submitted/sanctioned/completed

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration

Consultancy contribution

S.No.	Year	Amount	Details
1			

Student Project/research guidance

S.No	Level	Total number
1	UG	Completed: - Ongoing: -
2	PG	Completed: 8 Ongoing: -
3	PhD	Completed: - Ongoing: -

Administrative experience

S.No.	Role	Duration (From – to)
1	Member, Library Advisory Committee	From 2023-24
2	Member, Stock Verification Committee	From 2023-24

Research credentials

Index/database	ID/Link
Google Scholar	G_z6Ev8AAAAJ
SCOPUS	57217967107
Web of Science	-
Vidwan ID	507925

Any other relevant information

Dr. K. UMAMAHESWAR

28.02.2026