


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	<ul style="list-style-type: none"> • B.Sc. (BZC) from Acharya Nagarjuna University in 1998 • M.Sc. in Organic Chemistry from Acharya Nagarjuna University in 2006 • M.Phil. in Chemistry from Periyar University in 2008. • Ph.D. in Chemistry from Acharya Nagarjuna University in 2018 • Honours Diploma in Web Applications from NIIT in 2002 					
Experience	Teaching: 16 Years	Industry: -	Total: 17 Years			
	Research: 11 Years	Others: 01 Year				
Research Specialization	<ul style="list-style-type: none"> ❖ Pharmaceutical Analysis ❖ Pollutant Analysis ❖ Food Chemistry ❖ Nano chemistry ❖ Green Chemistry 					
Courses taught	Engineering Chemistry					
Research Contributions						
Publications in International/national peer reviewed journals: 25						
S.No.	Title of paper	Journal	Year	Volume	pages	Indexing
1.	Growth, structural and optical studies on pure and L-Histidine doped single crystals of Copper Sulphate	Chelonian Conservation and Biology	2023	18(2)	1448-1454	Scopus
2.	Structural, Optical and Anti-bacterial studies of pure and amino acid added single crystals	Chelonian Conservation and Biology	2023	18(2)	1435-1447	Scopus

3	Development and validation of a sensitive and stable HSGC-MS/MS method for the simultaneous determination of two N-nitorso amine impurities in Omeprazole sodium drug substances and drug products by using quality by design approach	International Journal of Research and Analytical Reviews	2023	10(1)	11 - 18	UGC	
4	<i>Development and Validation of a new HPLC Bio Analytical Internal Standard Method for the Analysis of Two Immunology drugs (Lamivudine and Dolutegravir) in Human Plasma</i>	International Journal of Psychosocial Rehabilitation	2020	24(5)	3628-37	NIH, Scilit	
5	<i>Simultaneous determination of 2-Chloro methyl propionate, 1,4-dibromo butane and para anisic aldehyde in Mebeverine Hydrochloride API by GC-MS with Selected-Ion-Monitoring mode</i>	Asian Journal of Pharmaceutical and Clinical Research	2016	9(6)	168-75	CNKI, CAS, CASS	

Book chapters Published

S. No.	Title of the Chapter	Book title	Publisher	Year
1	<ul style="list-style-type: none"> Conformational Analysis Optical Activity Colloids & Surface Chemistry Symmetry of Molecules 	VIVEK BSc Second Year Chemistry Semester-III	Venkateswara Publishers, Guntur	2017

Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of publishing	Published /granted
1	202241036591, JNo. 29/2022	System for validating anew HPLC Bio analytical internal standard method for analyzing Favipiravir inHuman Plasma	22/07/2022	Published

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized			
S. No.	Name of the Event	Role	Date/s
1.	<i>UGC Sponsored Regional Seminar on Recent Developments in the Analysis of Pollutants and Defluoridation Methods</i>	Organizing Secretary	29/01/2009 to 30/01/2009
2.	<i>Webinar on Recent Outcomes in Materials' Chemistry</i>	Convenor	30/03/2021

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated			
S. No.	Name of the Event	Organized by	Date/s
1.	A 3 day FDP on Skill Based Education	VRS & YRN College, Chirala	05 th to 07 th June, 2023
2.	Presented a Research Paper (Poster) in an International Conference on " <i>Recent Advances in Chemical, Pharmaceutical and Biological Sciences</i> "	Acharya Nagarjuna University, Nagarjuna Nagar	March, 2020.
3	Presented a Research Paper (Poster) in an International Conference on State of Knowledge of Chemistry in Industry and Environment.	S.V.R.M. College, Nagaram	June, 2018
4	Presented a Research Paper (Poster) in 33 rd International Conference of International Society for Fluoride Research [ISFR].	National Institution of Nutrition, Hyderabad	December, 2016
5	Presented a Poster in DST sponsored National conference on Recent Challenges in Chemical and Biological Sciences.	VFSTRU (Vignan University), Vadlamudi	July, 2014
6	Presented a Research Paper (Oral) in 29 th International Conference of International Society for Fluoride Research [ISFR] at Jaipur, in December, 2010.	College of Sciences, Rajasthan University, Jaipur	02 nd to 04 th December, 2010

7	<i>Presented a research paper Oral in two day UGC & APPCB sponsored National Seminar on “Effect of Pollution on Climatic Changes”</i>	SVRM College, Nagaram	Sept., 2010
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Awards/recognitions/achievements

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

Administrative experience

S. No.	Role	Duration (From – to)
1	Mentor – I/IV B.Tech. CSE-C/s	April, 2023 to Sept., 2023
2	Section Coordinator: I/IV B.Tech. Cyber Security	Sept., 2023 to till date
3	Feedback Incharge	Aug., 2022 to till date
4	Website Incharge	Aug., 2022 to till date

Any other relevant information

- ☞ Given an **invited Talk** on “Preservation of Ozone Layer – Our Role” to UG & PG chemistry students of VSR & NVR College, Tenali on the eve of International day to Preserve Ozone Layer on 16th Sept, 2023.
- ☞ **Mentored** a 3 month Internship program on “Safer and Greener Chemistry Labs” in collaboration with GAD-TLC and Vidyavani Foundation, New Delhi for Final M.Sc. Organic and Analytical Chemistry students (27 members) from November, 2022 to January, 2023.
- ☞ Graded the exhibits displayed under the theme of Eco-friendly Energy Sources during District Level Science Exhibition for Higher Secondary Students of Bapatla District in February, 2023 as a **member in Adjudication Team**.
- ☞ Delivered an **Invited Talk** on “Solutions to Composite Spectral Problems” to Final M.Sc. Chemistry students of Krishna University in September, 2019.
- ☞ **Adjudicated** Science Exhibits at Mandal Level Science Fare at ZP High School, Kollipara on National Science Day in 2014.