


## FACULTY PROFILE

Name of the Faculty:	<b>Dr. UMAMAHESWAR KORRAPATI</b>		
Designation:	<b>Assistant Professor</b>		
Department:	<b>CHEMISTRY</b>		
Date of Birth:	<b>09/06/1978</b>		
AICTE – ID:	<b>1 – 9313037182</b>		
<b>Education</b>	<ul style="list-style-type: none"> <li>• <b>B.Sc.</b> (BZC) from Acharya Nagarjuna University in 1998</li> <li>• <b>M.Sc.</b> in Organic Chemistry from Acharya Nagarjuna University in 2006</li> <li>• <b>M.Phil.</b> in Chemistry from Periyar University in 2008.</li> <li>• <b>Ph.D.</b> in Chemistry from Acharya Nagarjuna University in 2018</li> <li>• Honours Diploma in Web Applications from NIIT in 2002</li> </ul>		
<b>Experience</b>	Teaching: <b>16</b> Years	Industry: -	<b>Total: 17 Years</b>
	Research: <b>11</b> Years	Others: <b>01</b> Year	
<b>Research Specialization</b>	<ul style="list-style-type: none"> <li>❖ Pharmaceutical Analysis</li> <li>❖ Pollutant Analysis</li> <li>❖ Food Chemistry</li> <li>❖ Nano chemistry</li> <li>❖ Green Chemistry</li> <li>❖ Chemistry of Natural Products</li> </ul>		
<b>Courses taught</b>	<ol style="list-style-type: none"> <li>1. I/IV <b>B.Tech.</b> Semester 1 Engineering Chemistry</li> <li>2. I/IV <b>B.Tech.</b> Semester 2 Engineering Chemistry</li> <li>3. <b>M.Sc. Organic Chemistry:</b> <ul style="list-style-type: none"> <li>➤ General Chemistry</li> <li>➤ Organic Spectroscopy</li> </ul> </li> <li>4. <b>M.Sc. Analytical Chemistry:</b> <ul style="list-style-type: none"> <li>➤ Optical, Thermal and Radiochemical Analysis</li> <li>➤ Advanced Methods of Analysis</li> </ul> </li> </ol>		
<b>Research contributions</b> Publications in International/national peer reviewed journals: <b>23</b>			

S. No.	Title of paper	Journal	Year	Volume	pages	Indexing
1	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	International Journal of Research and Analytical Reviews	2023	10(1)	11 - 18	UGC
2	<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
3	<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, CASSI

#### Book chapters Published

S. No.	Title of the Chapter	Book title	Publisher	Year
1	<ul style="list-style-type: none"> <li>Conformational Analysis</li> <li>Optical Activity</li> <li>Colloids &amp; Surface Chemistry</li> <li>Symmetry of Molecules</li> </ul>	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 a new HPLC Bio analytical internal standard method for analyzing Favipiravir in Human Plasma	22/07/2022	Published

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

S. No.	Name of the event	Role	Dates
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	Dates
1	A 3 day FDP on Skill Based Education	<b>VRS &amp; YRN College, Chirala</b>	05 <sup>th</sup> to 07 <sup>th</sup> June, 2023
2	Presented a Research Paper ( <b>Poster</b> ) in an <b>International Conference</b> on “Recent Advances in Chemical, Pharmaceutical and Biological Sciences”	Acharya Nagarjuna University, Nagarjuna Nagar	March, 2020.
3	Presented a Research Paper ( <b>Poster</b> ) in an <b>International Conference</b> on State of Knowledge of Chemistry in Industry and Environment.	S.V.R.M. College, Nagaram	June, 2018
4	Presented a Research Paper ( <b>Poster</b> ) in 33 <sup>rd</sup> <b>International Conference</b> of International Society for Fluoride Research [ <b>ISFR</b> ].	National Institution of Nutrition, Hyderabad	December, 2016
5	Presented a <b>Poster</b> in DST sponsored <b>National conference</b> on Recent Challenges in Chemical and Biological Sciences.	VFSTRU (Vignan University), Vadlamudi	July, 2014
6	Presented a Research Paper ( <b>Oral</b> ) in 29 <sup>th</sup> International Conference of International Society for Fluoride Research [ <b>ISFR</b> ] at Jaipur, in December, 2010.	College of Sciences, Rajasthan University, Jaipur	02 <sup>nd</sup> to 04 <sup>th</sup> December, 2010
7	Presented a Research Paper ( <b>Oral</b> ) in two day UGC & APPCB sponsored National Seminar on “Effect of Pollution on Climatic Changes”.	<b>S.V.R.M. College, Nagaram</b>	<b>Sep., 2010</b>

### 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

### Student Project/research guidance

S.No	Level	Total number
1	UG	Completed: - Ongoing: -
2	PG	Completed: 65 Ongoing: 07
3	PhD	Completed: - Ongoing: -

### Administrative experience

S. No.	Role	Duration (From – to)
1	Mentor – I/IV B.Tech. CSE-C/s	April, 2023 to Sept., 2023

### Research credentials

Index/database	ID/Link
Google Scholar	
SCOPUS	
Web of Science	
Vidwan ID	

### 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 16<sup>th</sup> 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.

Dr. K. UMAMAHESWAR

16<sup>th</sup> September, 2023