

## PROFILE

### LAVANYA BEZAWADA

**Assistant Professor**, Dept. of Chemistry

**Qualification:** M.Sc (organic chemistry)

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**Experience:** 6 Years

- ✚ I have 1 Years of experience at **Krishna veni College** Vijayawada.
- ✚ I have been working at **SDMSMK college** ,Vijayawada For last five years.

### Academic Profile

COURSE	NAME OF THE INSTITUTION	PERCENTAGE OF MARKS
M.Sc.	Andhra Loyola college, Vijayawada.	85%
Degree	Andhra Loyola college, Vijayawada.	83%
Intermediate	Sri Chaitanya junior college, Vijayawada.	81%
SSC	Z.P. High School, Nidamanuru.	86%

### Achievements

- Post graduate in organic chemistry in Andhra Loyola College, Earning the **First Gold Medal** for my outstanding academic performance.
- Completed Two **Online Certification** Courses in **Alison**.
- **Acted as a Judge** in **Sudha Science Exhibition -2024** organized by **St Jones EM high school** Vijayawada on 26<sup>th</sup> October 2024.
- I have worked as a **Paper Setter** and **Paper Evaluator** for various degree colleges for Sem End Examination.
- I have also worked as a **Sem End Practical Examiner** in various degree colleges in Vijayawada.
- I am Working as a **Project Mentor** for Final Year Students.

### Subjects Handled:

- ❖ Analytical Methods in Chemistry-II.
- ❖ Inorganic Chemistry and physical chemistry –II.
- ❖ Inorganic, Organic and Physical Chemistry.
- ❖ Inorganic, Organic and Physical Chemistry-II.
- ❖ Food adulteration.
- ❖ Forensic science.
- ❖ Essentials and applications of mathematical, physical and chemical sciences.

- ❖ Physical and General Chemistry.
- ❖ Nitrogen containing compounds and spectroscopy.
- ❖ Organic Chemistry- VI
- ❖ General Chemistry & Physical Chemistry –VIII
- ❖ General Chemistry & Spectroscopy

### Publications:

1. **Preliminary analysis of phytochemicals in Annona muricata leaf extract for drug development with ISBN no:978-93-340-2528-6** paper presented in 2 days international conference on chemical and biochemical approaches by development of drug target against modern diseases (ICCBAD'24) conducted by Siddhartha women's collage, Vijayawada.
2. **RP HPLC estimation of cilnidipine with ISBN no:978-93-340-2528-6** paper presented in 2 days international conference on chemical and biochemical approaches by development of drug target against modern diseases (ICCBAD'24) conducted by Siddhartha women's collage, Vijayawada.
3. **Protein molecular interaction prediction AI driven molecular properties detection with ISBN no:978-81-958704-5-5** paper presented in 2 days national conference on artificial intelligence in chemistry current trends and future directions (NSAIC-2023) conducted by KBN college, Vijayawada.
4. **Quantitative analysis of Baricitinib in pharmaceutical dosage** Paper published in Journal of Interdisciplinary cycle research ISSN:0022-1945 (IMPACT FACTOR-6.2) an UGC care approved group-II journal (scopus indexed till 1993).
5. **Effects of extraction methods and phytochemical composition of Medicinal extracts** Paper published in DER PHARMA CHEMICAL Journal for Medicinal Chemistry, Pharmaceutical science and Computational chemistry ISSN:0975-413.
6. **A Review On Toxicology Impact Of Nanoparticles On Human Health And Environment** Paper Published in three day international conference on new approaches in agriculture, food and environmental science conducted by NAAFES in Andhra Loyola college.

### Projects:

1. In my graduate project, I focused on the application of ultra sonication to enhance the extraction of bioactive compounds from natural sources. By optimizing parameters such as frequency and duration, I successfully increased yield and improved the quality of the extracts. This research contributes to the field of green extraction techniques, demonstrating ultra sonication as an efficient method for sustainable processing.
2. For my postgraduate project, I investigated the medicinal properties of Annona Muricata (soursop) leaf extracts, focusing on their phytochemical composition and potential health benefits.

### Expertise:

1. "I have expertise in the synthesis of organic molecules, demonstrating a strong proficiency in designing and executing complex chemical reactions."
2. "I am also an expert in interpreting spectroscopy data for molecular analysis."
3. "I am an expert in analytical techniques, skilled in various methods for precise data analysis and interpretation."
4. "I am engaged in research on phytochemicals, focusing on their properties and potential applications."

### Positions Held:

- ❖ Member in NSS Committee.
- ❖ Member in STUDENT UNION Committee.
- ❖ Member in LMS Committee.

- ❖ Member in **INTERNAL EXAMINATION** Committee.
- ❖ Member in **Criteria-II**.
- ❖ Member in **NO MORE TEARS** Committee.
- ❖ Member in **WELLNESS** Committee.
- ❖ Member in **ICT** Committee.
- ❖ Member in **ATTENDANCE** Committee.
- ❖ Member in **WOMEN CELL** Committee.

### Workshops/ Seminars/FDP /Attended:

- ✚ Attended workshop on E-Learning and developing massive open online courses (MOOCs) at P.B Siddhartha College, Vijayawada on 22-07-2018.
- ✚ Participated in a One-Day International Workshop & Exhibition on Nano Science organized by K.B.N. College, Vijayawada on 15-11-2018.
- ✚ Participated in Two day national workshop on “Content Designing And Development In MOOCs and MOODLE “ S.D.M.S.M Kalasala, VIJ.
- ✚ Participated International Conference on “Science, Technology And Management” S.D.M.S.M Kalasala, VIJ.
- ✚ Five Days FDP on Statistical Analysis Using SPASS and R-Programing by SDMSMK from 7<sup>th</sup> Nov to 11<sup>th</sup> Nov 2022.
- ✚ Two Days International Webinar on “Environmental Sustainability and Development” by YVNR Government Degree College, Eluru on 9<sup>th</sup> & 10<sup>th</sup> November 2022.
- ✚ National Webinar on “Research Methodology” by Sir CR Reddy College for Women, Eluru on 18<sup>th</sup> & 19<sup>th</sup> November 2022.
- ✚ Online Quiz on “National Constitutional Day” organised by SDMSMK on 28<sup>th</sup> November 2022.
- ✚ Act as a Judge for “Elocution Competition” conducted by Physics Department, SDMSMK on 12<sup>th</sup> December 2022.
- ✚ International Webinar on “Academic Writing” by Government Degree College, Rajahmundry on 25<sup>th</sup> February 2023.
- ✚ National Webinar on “Story Telling with Data” by RUSA University of Mumbai on 15<sup>th</sup> July 2023.
- ✚ One Week FDP on “Utilization of Cutting Edge Instrumental Techniques in Drug & Development” by KVSR Siddhartha College of Pharmaceutical Sciences from 25<sup>th</sup> July to 11<sup>th</sup> Aug 2023.
- ✚ Training Program on National Intellectual Property Rights Awareness mission by SDMSMK on 31<sup>st</sup> July 2023.
- ✚ FDP on Challenges And Opportunities In Chemistry Education In The 21st Century by SRM University on 04-11-2023.
- ✚ FDP on “Essential Skills for Research Writing” by IQAC, SDMSMK on 11<sup>th</sup> Aug 2023.
- ✚ International webinar on Exploring Research trends in chemistry and biochemistry by SRR&CVR govt college on 29-11-2023.
- ✚ Two Day national seminar on Artificial intelligence in chemistry: current trends and future predictions by APSCHE & KBN college on 22nd & 23rd November 2023.
- ✚ National Webinar on Role of AI in Chemistry organised by Sri ABR govt degree college Repalle on 24-01-2024.
- ✚ One Week FDP on AI Enabled AR/VR in communications by Nalla Narasimha Reddy College from 3rd - 7th October 2023

- ✚ Participated in National Online Quiz on General Science and Obtained score 100%.
- ✚ National level online quiz on Environmental and organic chemistry by SDMSMK.
- ✚ National Webinar on Tiny Wonders big future making and understanding Nano Materials by DS Govt Degree college for women.
- ✚ One day National Webinar on Advanced tools for Research Methodology by Govt degree college, Avanigadda on 29<sup>th</sup> April 2024.
- ✚ International Webinar 2k24 on Nutrition a five day lecture series event organized by St.Josephs College for women, Visakapatnam on 6-9-2024.
- ✚ Attended a one day national seminar in SRM university .
- ✚ Department of Chemistry and bio chemistry organised a 2days international conference on **chemical and biochemical approaches for Development of Drug targets against modern diseases(ICCBA24)**
- ✚ One day National Webinar on New initiatives in the field of chemistry in 21<sup>st</sup> century by SDMSM degree college, Vijayawada on 2024.

**Online Webinars/Workshops/Quizzes/FDP's attended from May 2020:**

- Webinars: 65
- Workshops: 15
- FDP's: 15
- Quizzes: 20
- Online Courses:02