

Dr. V. VANI M.Sc, PhD, TS-SET
Assistant Professor, Osmania University

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Professional Summary

- Motivated and patient Chemistry teacher dedicated to student growth and success. My 20 years experience teaching in learning academies and colleges have helped shape my teaching style to clear to student's various needs while maintaining a lighthearted and interactive class atmosphere.
- Seeking to enhance my curriculum-planning skills and learning more about integrating tech into daily lessons.
- Dedicated to research, analytical chemistry, and laboratory supervision. Skilled in instrumentation handling, research mentoring, data analysis, and academic excellence.

Core Skills

- Organic Chemistry Expertise
- Laboratory Management & Safety
- Research & Data Analysis
- UV-Vis Spectrophotometry, NMR, IR.
- Scientific Writing & Publications
- Student Mentoring & Examination Management
- Curriculum & Academic Planning

Professional Experience

- **Assistant Professor -Chemistry**

Department of Chemistry, Engineering College, Osmania University, Hyderabad (2008– Present)

- Teaching Organic, Inorganic, and Physical Chemistry for B.Tech and B.Sc programs.
- Conducting laboratory experiments ensuring safety and compliance.
- Contributing to academic audits, NAAC documentation, and departmental activities.
- **Lecturer – Chemistry**

HRD Degree College, Narayanaguda, Hyderabad (2005 – 2006)

- Taught B.Sc Chemistry subjects and conducted laboratory sessions.

- **Lecturer – Chemistry**

Narayana Jr. College, Narayanaguda, Hyderabad (2006 – 2008)

- Handled Jr. I & II year theory and practical classes.

Education

- PhD (Chemistry) – Osmania University, 2022
- M.Sc (Organic Chemistry) – Chaitanya Dg. & P.G. College (KU), 2005
- B.Sc (BZC) – Women's Degree College, 2002
- Intermediate (BiPC) – Govt Junior College, 1999
- SSC – Girls High School, 1997

Research Publications (Selected)

1. Vangari, V., reddy, P.R., rao, L.N. *et al.* Rapid green synthesis of palladium nanoparticles using grape seed extract for catalytic reduction of 4-nitrophenol and crystal violet. *ReacKinetMech Cat* **136**, 1021–1032 (2023). <https://doi.org/10.1007/s11144-023-02399-8>
2. Vangari, V., Reddy, P.R., Rao, L.N. *et al.* Microwave-assisted synthesis of Au nanoparticles using fruit peel waste: antioxidant activity and catalytic reduction of malachite green. *ReacKinetMechCat* **138**, 361–373(2025). <https://doi.org/10.1007/s11144-024-02726-7>

Technical Skills

- NMR, IR, UV-Vis Spectrophotometry
- XRD & Computational Chemistry

ChemDraw, Origin, MS Office

Certifications

- Qualified APSET – 2013

CONFERENCES

1.Participated in postal presentation ICMRA-2016 at CMR Technical Campus, Kandlakoya (V), Medchal (M), Hyderabad-501401.

Personal Details

- Date of Birth: 05-07-1981
- Languages: English, Hindi &Telugu
- Nationality: Indian

Declaration

I hereby declare that the information provided above is true and correct to the best of my knowledge.

Date :

Thanks & Regards

Place :

Dr. V.Vani