

## CURRICULUM VITAE

**NAME: K.V. PADMAVATHI**

**Assistant Professor, Department of  
Chemistry, Gayatri Vidya Parishad  
College for Degree and PG Courses (A)  
Rushikonda, Visakhapatnam.**



To pursue academic/research faculty position in your esteemed institute/research group to expand my knowledge and improve skills in the field of chemistry that provides opportunities for advanced research and academic position.

### ACADEMIC QUALIFICATIONS:

**B.Sc. Study** : **Bachelor of Science**, Andhra University,  
Visakhapatnam, Andhra Pradesh, India.

**M.Sc. Study** : **M.Sc Chemistry (Organic Chemistry)**, MVR degree college  
Andhra University, Visakhapatnam, Andhra Pradesh, India.

**Ph. D Title** : “Facile and green synthesis of carboxy methyl cellulose  
stabilized nano particles (Ag, Au, Pt, Pd) for bio evolution” Andhra University,  
Visakhapatnam, Andhra Pradesh, India.

### EXPERIENCE:

#### TEACHING:

August-2011 to till date: Working as Assistant Professor, GVP College of Degree &  
PG Courses (A), Visakhapatnam, Andhra Pradesh, India.

Sri Venkateswara University, Tirupati, India.

### RESEARCH INTERESTS:

- Facile and green Synthesis of Nano particles and their Bioevolution.

## **LIST OF PUBLICATIONS**

1. Facile and green synthesis of carboxy methyl cellulose stabilized bio functionalized Gold nano particles and its catalytic activity. **Journal of pharmaceutical research international, 2022, 1-7, (ISSN:2231-2919).**
2. Bio -molecule assisted synthesis of Silver nano particles for Bio evaluation. **International journal of advances in engineering and management (IJAEM) 2022, ISSN:2395-5252.**
3. Reduction of p-Nitro aniline using plant mediated Co-NPs: A green perspective. **Journal of chemistry and technologies.2022, ISSN:2663-2942.**

## **CONFERENCES & SEMINARS ATTENDED:**

1. **Faculty development program on Research methodology**, Department of Chemistry, Kamla Nehru Vidyalaya, Nagpur, Andhra Pradesh, held from 2<sup>nd</sup> to 7<sup>th</sup> may 2022.
2. **Recent Trends in Chemical Sciences (RTCS-2022)**. Organized by Dept. of Chemistry, Dr. V.S. Krishna Govt. Degree and PG college(A), Visakhapatnam on 18<sup>TH</sup> Nov 2022.
3. **International webinar on breaking barrier in science**. Department of Chemistry Kamla Nehru Vidyalaya, Nagpur, Andhra Pradesh, held from 14<sup>th</sup> Feb, 2023.
4. National virtual conference on environmental sustainability Organized by Department of Chemistry Koneru Lakmaish education foundation, 19- 20<sup>th</sup> Dec, 2022.
5. **National level one-week faculty development programme on research methodology** Department of Chemistry Kamla Nehru Vidyalaya, Nagpur, Andhra Pradesh, held from 24<sup>th</sup> to 29<sup>th</sup> June 2023.

## **PROFESSIONAL COMPETENCE:**

- Introduced new volumetric analysis and instrumental techniques for engineering chemistry lab.
- Interpretation of the structure of hydrogen bond and dipole interactions between the Organic solvents.
- Working knowledge of, Densitometer, Viscometer, UV-Visible and Florescence spectrometry.
- Capable of carrying independent and collaborative research.

- Profound efficiency in handling of U.V. Visible spectrophotometer.
- Ability to write scientific report and manuscript for publication.
- Strong knowledge of chemistry software-MS Office, Excel, Origin, Chem Draw, Power Point.

**ACADEMIC ACTIVITIES:**

- Participated in various International & National seminars Actively associated with the activities of the Department of Chemistry,
- Trained in taking practical and theory classes for post graduation students of Chemistry in Department of Chemistry.