

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.

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 2nd to 7th 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 18th Nov 2022.
3. **International webinar on breaking barrier in science**. Department of Chemistry

Kalmla Nehru Vidyalaya, Nagpur, Andhra Pradesh, held from 14th Feb, 2023.

4. National virtual conference on environmental sustainability Organized by Department of Chemistry Koneru Lakmaish education foundation, 19- 20th Dec, 2022.

5. National level one-week faculty development programme on research methodology Department of Chemistry Kalmla Nehru Vidyalaya, Nagpur, Andhra Pradesh, held from 24th to 29th 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.