

CURRICULUM VITAE

Kiran Maruti Madalagi M.Sc. B.Ed. K-SET
Assistant Professor
Dept of Chemistry
KLE's SSMS College Athani-591304
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Educational Profile

Graduation: Bachelor of Science
Aggregate percentage: 73.89%
College: B K Arts Commerce and Science College Chikkodi
Post graduation: M.Sc. in Chemistry
From Department of Studies in Chemistry K U Campus
Karnatak University, Dharwad-580003
DOB: 7-Aug-1991

Languages Known: Kannada English, Hindi, Marathi

Permanent Address: Ward No 07 Jai Bhim Nagar,
At Post: Chinchali, Taluk Raibag, Dist: Belagavi-591217

ACADEMIC PROJECT

Project Title : Preparation and Characterization of Pectin-PVP hydrogel
Membrane for Biomedical Application
Project supervisor : Dr. Lata S Manjeswar
Institution : PG Dept. of studies in chemistry Karnatak University
Dharwad
Duration : Jan 2014- June 2014

RESEARCH INTERESTS

- Preparation of Hydrogel membranes for controlled release of drugs
- Preparation of non-linear optical fibres

TEACHING INTERESTS

- Electrochemistry
- Physical Polymer Science
- Quantum Chemistry
- Co-Ordination Chemistry
- Chemical Kinetics
- Chemical Thermodynamics
- Bioinorganic Chemistry
- Spectroscopy
- Organometallic Chemistry

SPECIALISED SCIENTIFIC AND TECHNICAL SKILLS

RESEARCH SKILLS

Polymer membrane synthesis and structural elucidation by spectroscopic tools

TECHNICAL SKILLS

Modern instruments handled:- TGA, DSC, FT-IR, UV-Vis, Data analysis and interpretation of FT-IR graphs

COMPUTER SKILLS

- Operating systems: windows xp, windows7 windows8, Windows 10,11
- Scientific applications: chem office (draw 3D)
- Data base: scifinder, chem spider
- Office applications: Microsoft word, PowerPoint, Excel

RESEARCH EXPERIENCE

TITLE OF PROJECT	STUDIED
PREPARATION AND CHARACTERIZATION OF PECTIN-PVP HYDROGEL MEMBRANES FOR BIOMEDICAL APPLICATION	<ul style="list-style-type: none">● PREPARATION OF HYDROGEL MEMBRANE● SWELLING BEHAVIOUR OF HYDROGEL MEMBRANE● pH SENSITIVITY OF HYDROGEL MEMBRANE● BIOCOMPATIBILITY OF BLEND MEMBRANES

Courses Completed:

- Certificate Course in Organometallic Chemistry: Synthesis to Application From NPTEL SWAYAM portal
- FDP in Rare earth based novel Nano-material for various applications from AICTE New Delhi
- Faculty Induction Programe From UGC-HRDC Centre University of Mumbai

Positions:

- 1) Science Association Co-Ordinator
- 2) Convener-Examination Committee
- 3) Convener- Science Time Table Committee
- 4) Criterion Head- Criteria II
- 5) UUCMS Nodal Officer

REFERENCES:

Prof. S.T. Nandibewoor

Professor of Physical chemistry

P.G. Department of Studies in Chemistry

Karnatak university, Dharwad – 580003