

Prof. (Dr.) Sushama Raju Ambadekar

M.Sc., Ph.D., B. Ed., SET.

M.E.S.Class-I

Professor.

HOD, Department of Chemistry

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Research area: Nano science, Pharmaceutical, Waste water treatment, Solid waste management, chromatographic technique for method development and validation.

**Research students:-**

No. of Ph. D Students – 12

Sr. No.	Name	Title	Remark
1.	Balakrishnan Iyer	An Analysis of certain Prohibited drugs from a Forensic and Anti – Doping Perspective: A Chromatographic Study	Degree Awarded
2.	Sameer Keni	Development of Fast Liquid Chromatography Methods for the Estimation of Percentage Assay and Impurity Profile of Metformin with Combination Drug from Formulation	Degree Awarded
3.	Deepak Nikam	Improvised Measurement of Formaldehyde in Selected Food Products, Cosmetics and Pharmaceutical Products by High Performance Liquid Chromatography	Degree Awarded
4.	Apurva Khamkar	Green Synthesis, Characterisation and Antimicrobial Potential of Metal Nanoparticles Using Mangrove Plants from Mumbai Region	Degree Awarded

5.	Jayesh Pandharinath Tamhanekar	RAPID DETERMINATION AND STUDY OF SOME CARDIOVASCULAR DRUGS BY CHROMATOGRAPHIC AND SPECTROSCOPIC TECHNIQUES	Degree Awarded
6.	Suneeta Sule	Development and Validation of HPLC Method for Determination of Assay in a Triple Drug Combination Product for an Inhalation Formulation	Degree Awarded
7.	Mamata Tendulkar	Chemical Analysis and Microbial Examination of Sanitary Pads for Menstrual Use and An Overview of Its Disposal Techniques	Degree Awarded
8.	Mr. Shyam Dattatray Kedar	Intrinsically conducting polymers – synthesis, Characterization and application by using electrochemical techniques.	Thesis Submitted
9.	Poonam Khopade	To Study Physico – Chemical properties of Municipal Solid Waste Compost Obtained from Composting Process and Organic Waste Convertor (OWC)	Working
10	Mr. Vijay Bagul	A Sensitive and Stability indicating chromatographic method for identification and Quantification of some selected drugs in smoking cessation category from  Pharmaceutical dosage forms.	Working
11	Mr. Anand Tiwari	A Modified and sensitive chromatographic method for identification and quantification of some selected antidepressant category from  Pharmaceutical dosage forms.	Working
12	Mr. Keshav Band	A stability indicating method for the quantification of organic impurities in antiretroviral drugs	Working

No. of M.Sc by Research students – 04

Sr. No.	Name	Title	Remark
1.	Deepak Nikam	Improvised Measurement of Formaldehyde in Selected Food Products, Cosmetics and Pharmaceutical Products by High Performance Liquid Chromatography	Degree Awarded
2.	Sameer Keni	Development of Fast Liquid Chromatography Methods for the Estimation of Percentage Assay and Impurity Profile of Metformin with Combination Drug from Formulation	Degree Awarded
3.	Suneeta Sule	Development and Validation of HPLC Method for Determination of Assay in a Triple Drug Combination Product for an Inhalation Formulation	Degree Awarded
4.	Sushant Solkar	Method Development Validation and Simultaneous Determination of Caffeine, Benzoic Acid and Saccharin in Aerated Drinks and Chocolates by Different Analytical Methods	Degree Awarded