

Department of Pharmacology

The Department of Pharmacology, Bharati Vidyapeeth University, Poona College of Pharmacy comprises of a diverse group of faculty who are highly qualified and experienced and work to advance the forefronts of new knowledge to develop novel therapeutic approaches for treatment of diseases. The scope of the department is to provide quality preclinical education in pharmacology for the students of B.Pharm, M.Pharm and Pharm.D. The department trains post graduate and Ph.D research scholars to carry out preclinical research for development of new drugs for the treatment of diseases; to understand the molecular and cellular mechanisms of drug actions and to derive the intermolecular reactions underlying biological systems;

The department of pharmacology is equipped with all the required instruments and animals to carry out the research activities by the Post graduates and Research Scholars. The staff of Department of Pharmacology is actively involved as research coordinators in executing projects related to arthritis, cancer, diabetes mellitus, hypertension, hyperlipidemia, endurance, *In vitro* and *in vivo* assay development, cardiovascular system, psychopharmacology, neurodegenerative diseases like Alzheimer's disease, respiratory disorders, drug delivery systems, drug interaction studies and toxicological evaluation. The faculty have research projects from various funding agencies like AICTE, UGC, NAIP, Ministry of AYUSH and they have been involved in collaborative research with academic, research institutions, and national and international industries.

A well equipped animal house is maintained by the Department which is registered with Committee for the Purpose of Control and supervision of Experiments on Animals (CPCSEA), Government of India.

There are 27 Ph.D, 183 M.Pharm who have graduated from the Department. The research outcome includes 457 Publications in National and International Journals, 1 Patent and Project grant of Rs.2.19 Crores.

Thrust areas:

Pharmacology
1) Cardiovascular Diseases
2) Diabetes and Metabolic Disorders
3) Arthritis and Inflammation
4) Neurodegenerative Disorders – Alzheimer’s Disease, Parkinsonism
5) Respiratory Disorders
6) Oncology
7) <i>In vitro</i> and <i>in vivo</i> assay development
8) Pharmacokinetic and Pharmacodynamic studies
9) Drug interaction studies
10) Stress
11) Endurance Studies

Outcomes

Publications	Patents	Projects (Grants)	Ph.D.	M.Pharm.
457	1	55 (2,19,03,775)	27	183