

DEPARTMENT OF PHARMACOLOGY AT MMC

INTRODUCTION:

The Department of Pharmacology Muzaffarnagar Medical College was established in 2006. Pharmacology deals with scientific study of drugs and their effects on living systems. Pharmacology is crucial for discovering new drugs, improving efficacy, reducing adverse drug reactions, understanding pharmacogenetic variation in drug response etc. It forms the backbone of rational therapeutics.

HEAD OF DEPARTMENT:



Dr. Meenakshi Jindal

Professor and Head of Department, Pharmacology

Dr. Meenakshi Jindal is an alumna of the 1988 M.B.B.S Batch of L.L.R.M Medical College, Meerut and subsequently did her M.D in Pharmacology from Swami Vivekanand and Subharti University. She has a total of 19 years of teaching experience in Pharmacology. She has done the Advance course in Medical Education [ACME] and has an academic qualification to train the faculty of the college regarding the newer competency-based curriculum. She is trained in Medical Ethics and Good Clinical Practice. She also holds a Postgraduate Certificate course in Hospital Administration from N.I.H.F.W New Delhi. She is a member of the Indian Pharmacological Society and Society of Biological Scientists of India. She has 20 Research Publication in National and International indexed journals. She has given various guest lectures on topics such as Medical ethics; Competency-based medical Education, and Specific learning Objectives. She is the chairperson of IAEC, Coordinator of Pharmacovigilance committee, Coordinator of Mentor committee of 2020 Batch, Resource faculty of MEU, Curriculum committee member, Member of the research committee, and Officer in charge of Central research Laboratory of the Institution.

VISION OF THE DEPARTMENT:

We aim to provide excellence and integrity in teaching, research, and services. And commit to learning in an environment that embraces diversity, equity, and respect.

MISSION OF THE DEPARTMENT:

Our mission is to acquire new knowledge in pharmacology and related basic sciences. Promote rational use of medicine and excel in patient care, monitor adverse drug reactions to ensure safe drug treatment with passion, excellence, integration, and quality.

FACILITIES AND EQUIPMENT'S:

We have a well-planned and informative Drug Museum having Indigenous and synthetic drugs, pictorial, charts showing the history of Pharmacology with photographs of pioneers. An air-conditioned library with standard and latest edition textbooks, e-books, and journals for faculty and students to update their knowledge. We also have a well-equipped pharmacy, experimental and clinical research laboratory.

The department has a CAL [Computer Assisted laboratory] using computer simulation models as replacement of animal experiment in undergraduate M.B.B.S students. Department is also equipped with the latest equipment like Soxhlets apparatus for extraction of indigenous extract, Eddy's hot plate analgesiometer, Rotarod apparatus, Act photometer, Instrument of bioassay, Metabolic cage, Disintegration test apparatus, centrifuge, etc. Demonstration rooms are well furnished with audio-visual aids like LED projectors, OHP projectors, chalkboards, mikes, etc. An Animal house for keeping the small animal is also maintained by the department. The maintenance of the animal house is under the norms of CPCSEA guidelines. Department has a Pharmacovigilance centre and a drug information centre.

SUB-SPECIALTIES:

Besides teaching and training M.B.B.S and Postgraduate students the department also impart teaching and training to those pursuing Paramedical studies.

RESEARCH AREAS:

The research area where faculty is interested is:

- Pharmacovigilance
- Cardiovascular pharmacology
- Clinical Pharmacology
- Indigenous Drug research
- Psychopharmacology
- Chemotherapy
- Neuropharmacology

POSTGRADUATE DEPARTMENT:

The department has 3 recognised postgraduate seats and has fully furnished and well equipped laboratories like clinical research lab, chemical lab, experimental lab, cardio lab etc. Our alumnus postgraduate students are excelling in Pharmaceutical industries and as an academician in various medical colleges.

ACADEMIC ACTIVITIES:

The department has a team of academically qualified, experienced, and dedicated faculty members who are trained to teach the undergraduates according to competency-based medical education. The department aims to educate students about basic and applied pharmacology by implementing novel teaching-learning approaches such as computer-assisted learning [CAL], Problem based learning [PBL], Flipped classroom activities, small group discussions, Quiz, seminars, role play.

Department believes in working with collaboration with pre, Para, and clinical departments of the college hence forth regular vertical and horizontal integration are incorporated. The prescription auditing, critical evaluation of promotional literature, and adverse effect monitoring of drugs are the areas of research of undergraduates done under the able guidance of the faculty. The department gives emphasis on teaching the undergraduate regarding the doctor-patient relationship, attitude, and communication skills through role-play and ATCOM.

WORK DONE DURING PANDEMIC:

All the faculty and supporting staff of our department worked day and night during the second wave of COVID 19 pandemic like in essential and consumable item committee [where level 2 medicine packets were packed according to U.P government guidelines], covid control room centre, and help desk. Department is highly committed to patient care and academic excellence.