



Pharmacology in CCRAS at a glance

Pharmacological and toxicological studies constitute a very vital part in drug research programme. Under pharmacology research, Ayurvedic drugs are studied for their safety evaluation and biological activity in various areas such as Bronchial asthma, Diabetes mellitus, immunomodulation, wound healing etc. Besides conducting studies through its own institutes viz. Central Ayurveda Research Institute, Kolkata; Captain Srinivas Murthy Central Ayurveda Research Institute, Chennai; Regional Ayurveda Research Institute, Gwalior, National Ayurveda Research Institute for Panchkarma, Cheruthuruthy, Regional Ayurveda Research Institute, Pune and the Council has signed MoUs with institutes of national repute like Indian Institute of Technology (IITs), National Institute of Pharmaceutical Education & Research (NIPER), CSIR institutes etc. for collaborative research.



Prof. (Vd.) Rabinarayan Acharya
Director General, CCRAS,
New Delhi
Chief Patron



Dr. Narayanam Srikanth
Dy. Director General, CCRAS,
New Delhi
Patron



Dr. M.N. Suryawanshi
Director, CARI, Kolkata
Organizing secretary



Dr. Sharad D. Pawar
Asst. Director (Pharmacology),
CARI, Kolkata
Program Supervisor



CCRAS Central Ayurveda Research Institute Kolkata



Organising

Hands-on Training in Pre-Clinical Toxicology

Revised Date

05.10.2026 to 09.10.2026

Venue

**Central Ayurveda Research Institute
Ministry of AYUSH, Govt. Of India
Sector V, Bidhannagar
Kolkata-700091**

Co-ordinators



Dr. Lalrinpuia
Research officer
Pharmacology
CARI, Kolkata



Dr. Rahul Singh
Research officer
(Animal Experimental
Pathology)
CARI, Kolkata



Dr. M.Kalyankumar Raju
Assistant Research officer
Pharmacology
CARI, Kolkata



Dr. Qadir Alam
Assistant Research officer
Pharmacology
CARI, Kolkata

Module	Resource Person	Key Topics Covered
Module 1: Introduction to Pre-Clinical Drug Development & Reproductive and Developmental Toxicology	Dr. Sharad D. Pawar	✓ Overview of the Ayurvedic drug development pipeline ✓ Role of pre-clinical studies in drug development and clinical translation ✓ Ethical considerations in animal research ✓ Reproductive and developmental toxicity (Segment I, II & III studies)
Module 2: General Toxicology & Drug Interactions - Dr. Lalrinpuia	Dr. Lalrinpuia	✓ Acute, sub-chronic, and chronic toxicity studies. ✓ Maximum tolerated dose (MTD) and No Observed Adverse Effect Level (NOEL). ✓ Drug-drug interactions and their toxicological implications.
Module 3: Animal Ethics & Histopathology in Toxicity Testing	Dr. Rahul Singh	✓ Pathological aspects of experimental animals and laboratory instrumentation ✓ Histopathological evaluation in toxicological studies and instrumentation ✓ Identification of target organ toxicity
Module 4: Pharmacokinetics & Safety Pharmacology	Dr. Qadir Alam	✓ Dose-response relationships and therapeutic window ✓ Principles of ADME (Absorption, Distribution, Metabolism, and Excretion) ✓ Safety pharmacology studies (cardiovascular, respiratory, and central nervous system)
Module 5: Carcinogenicity, Genotoxicity, GLP & Regulatory Guidelines	Dr. M. Kalyankumarraju	✓ Carcinogenicity and genotoxicity studies ✓ Fundamentals of Good Laboratory Practices (GLP) in toxicity testing ✓ National and international regulatory guidelines for pre-clinical toxicological studies

Course Outline

Hands on Training in Pre-Clinical Toxicology provides a comprehensive overview of the toxicology studies that are performed on various pre-clinical models focusing on In-silico toxicology tools, in-vitro and in vivo models in drug development with special emphasis on regulatory GLP framework. The training is designed to equip aspiring and current professionals with the skills. By the end of the training, attendees will be proficient in above said areas.



Eligibility:

PG students, Research scholars, faculty members, and scientists working in Dravyaguna, Agadatantra, Pharmacology, experimental medicine, preclinical research or related disciplines



Seats : 25

(First come first serve basis)



Registration Fee: (Non-refundable)

Students/Scholars: Rs.3000/-
Faculty/Scientists: Rs. 5000/-



Scan the QR code for registration

Revised Date

Last Date of Application: 15.09.2026

Registration fee includes training kit, working lunch and certificate. Travel and Accommodation will not be provided. Registration fee once paid will not be refunded.

Contact Us

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