



G. Pulla Reddy College of Pharmacy

Mehdipatnam, Hyderabad

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Autonomous



Integrated Workshop on Animal Experimentation, Experimental Disease Models and Preclinical Research in Ayurveda

G. Pulla Reddy College of Pharmacy has conducted an Integrated Workshop on Animal Experimentation, Experimental Disease Models and Preclinical Research in Ayurveda was conducted for the PG students of the **Department of Dravya Guna, Dr. B. R. K. R. Government Ayurvedic Medical College, Hyderabad**, from 30th July to 01st August 2026. The three-day workshop was aimed at providing participants with comprehensive theoretical knowledge and practical hands-on training in laboratory animal experimentation and preclinical research methodologies.

The workshop covered selection, handling and care of laboratory animals, along with an animal house visit to understand animal care and management practices. Sessions on CCSEA regulations, IAEC functions and ethical principles highlighted the importance of responsible and ethical conduct of animal experimentation. Practical training was provided on routes of drug administration and pharmacological screening methods, followed by individual hands-on practice. Participants were also introduced to the principles and techniques of anaesthesia, blood collection and euthanasia, with practical demonstrations of the respective procedures. The programme further included experimental disease induction techniques in laboratory animals, providing participants with practical exposure to the development of experimental disease models used in preclinical research. A session on biostatistical methods covered Standard Deviation (SD), Standard Error of Mean (SEM), t-test and ANOVA, emphasizing their application in analysing experimental data.

Overall, the workshop provided a valuable platform for PG students to develop practical skills, research competencies and a better understanding of ethical animal experimentation and preclinical research, particularly in the context of Ayurvedic drug research and experimental studies. At the conclusion of the programme, certificates of participation were presented to all the students. The program was coordinated by Department of Pharmacology.

 PRINCIPAL

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