



# **KALEIDOSCOPE**

## **“Visit to National Toxicology Centre (APT research foundation unit ), Pune ”**

- ❖ **Organizer & Academic Year** : IPR Cell & Plan B club (2023– 2024)
  
- ❖ **Date & Time** : 3<sup>rd</sup> February 2024, 10:00 am – 2:00 pm
  
- ❖ **Participant students** : M. Pharm Second Year Students
  
- ❖ **Event Coordinator** : Dr. Rohan K. Barse & Dr. Gaurav G. Naik
  
- ❖ **Program Advisor** : Dr. Vijay A. Jagtap

## **ABOUT THE PROGRAM:**

Visit to the National Toxicology Center provided a comprehensive insight into the critical role this facility plays in assessing the safety of various substances and products, thereby safeguarding public health. Located at pune,the center boasts cutting-edge technology and a team of experts dedicated to toxicological research. This visit is open to students from pharmaceutical science, to introduce the importance of animal study, toxicology study etc; which helps in novel thinking about research, helps to developed creative patents, safety and efficacy of the formulation to the M. Pharm final year & second year M. pharm who will be dealing newly to the professional world of Pharmacy.

This training session helps to students for their research work plan and execution of the project work.

### **Objectives:**

1. Gathering information on toxic substances and their effects on health and the environment.
2. Learning about toxicology, environmental health, and safety measures.
3. Seeking advice on toxic exposure, risk assessment, and management.

During the facility tour, attendees were treated to a firsthand view of the cutting-edge laboratories dedicated to toxicological research, testing, and analysis. Following this, refreshments were provided before engaging in enlightening presentations by leading toxicologists. These sessions covered diverse topics, ranging from the identification of toxic substances to their effects on biological systems, and detailed methodologies for risk assessment. One notable highlight was the discussion on real-world case studies, particularly focusing on the practical application of toxicology, including the MTT assay. These discussions illuminated the ways in which toxicological principles are applied in both research and risk assessment scenarios, providing invaluable insights into the field's real-world impact.

In the afternoon session, attendees visited the animal facility, where regulatory aspects such as population demographics and dosing procedures were meticulously explained. Emphasis was placed on understanding regulatory compliance in animal husbandry, including proper animal handling techniques and adherence to dosing protocols.

Moreover, the visit provided networking opportunities, fostering interactions among researchers, professionals, and fellow visitors. These exchanges of ideas further enriched the learning experience, highlighting the collaborative nature of toxicological research.

In conclusion, the visit to the National Toxicology Center not only deepened understanding of toxicology's practical applications but also underscored the center's pivotal role in advancing knowledge and addressing challenges in environmental health and toxicology.

## Glimpses of event



Sr.No.	Category	No. of participants
1.	Student present (m. pharm 2 <sup>nd</sup> year)	13
2.	Staff members	01
3.	Total	14

Report prepared by:

Dr. Rohan K. Barse

Dr. Vijay A. Jagtap