

A Brief report of Field visit conducted by Faculty of Pharmacy

A field visit of D.Pharm second year students was organized by the Faculty of Pharmacy, Integral University, in which students went to National Botanical Research Institute (NBRI) Lucknow on Tuesday 16th May 2023.

The visit commenced with an informative session on herbarium techniques, where the students learned about the importance of preserving plant specimens for taxonomic studies and research purposes. They were introduced to the process of specimen collection, pressing, mounting, and labeling. This hands-on experience allowed the students to understand the significance of herbaria in documenting and cataloging plant diversity. The students then explored the vast medicinal plant garden within the NBRI premises. They were introduced to a wide range of medicinal plants and their therapeutic properties. Faculty members provided detailed explanations about the phytochemical constituents and pharmacological activities associated with each plant. This exposure enhanced the students' understanding of the potential of natural products in drug discovery and development.

The field visit also focused on the concept of herbal gardens and their significance in promoting traditional medicine. Students learned about the role of botanical gardens in conserving and showcasing various species of plants, including rare and endangered ones. The faculty members explained the importance of herbal gardens in preserving traditional knowledge related to medicinal plants and promoting sustainable practices in healthcare. The students were given insights into plant diversity during their interaction with researchers at NBRI. They learned about various classification systems, including the modern phylogenetic approach, and how they aid in understanding evolutionary relationships among plant species. This knowledge proved beneficial for the students in their future studies and research endeavors. Plant assortment and systematics were another crucial topic covered during the visit. The students learned about different classification systems and their role in understanding evolutionary relationships among plant species. This knowledge will prove valuable in their future studies and research endeavors.

Another significant aspect covered during the visit was the exploration of databases related to plant diversity and bioprospection. The students were introduced to online resources and databases that provide comprehensive information about plant species, their distribution, and their potential applications in medicine. This exposure familiarized the students with the tools available for conducting literature reviews and acquiring up-to-date information in the field of

pharmacognosy. The field visit also included a session on product development from plant sources. The students gained insights into the process of extracting bioactive compounds from medicinal plants and formulating them into various dosage forms. They learned about quality control and standardization methods for herbal products. This session provided a practical understanding of the challenges and opportunities associated with herbal drug development.

Additionally, the students were introduced to the concept of botanic gardens and their role in plant conservation. They learned about the conservation strategies employed to protect endangered plant species and preserve genetic diversity. The faculty members emphasized the importance of sustainable practices and the need for public awareness regarding plant conservation.

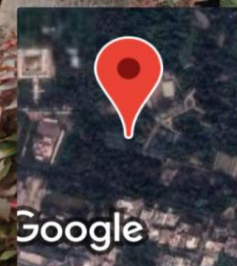
Overall, the field visit to the National Botanical Research Institute provided the D.Pharm students with a comprehensive understanding of various aspects related to pharmacognosy and botany. The valuable insights gained through this visit will undoubtedly contribute to their academic and professional growth.

Faculty coordinators of this visit were Mr. Usama Ahmad, Mrs. Shabana Khatoon, Mr. Abdur Rahman, and Mr. Zameer Ansar.

This visit was held under the guidance of Prof. Syed Misbahul Hasan, Dean, Faculty of Pharmacy, Dr. Tarique Mahmood, Head, Department of Pharmacy, and Dr. Farogh Ahsan, Program Coordinator, D. Pharm.







Lucknow, Uttar Pradesh, India

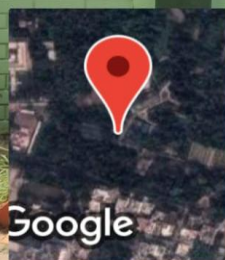
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