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**Report on Guest Lecture "Pharmacology in Depth: Receptors, Pathways, and Clinical Cautions" Organized by Department of Pharmacy.**

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**A report on Guest Lecture  
(8<sup>th</sup> May, 2025)  
Organized by:  
Department of Pharmacy  
Integral University, Lucknow**

The **Department of Pharmacy, Integral University, Lucknow**, organized a guest lecture on **8th May 2025, Thursday, at 2:00 PM**, which was delivered by **Prof. (Dr.) Harlokesb Narayan Yadav**, Additional Professor in the Department of Pharmacology at the esteemed **All India Institute of Medical Sciences (AIIMS), New Delhi**. The event was graced by the presence of several distinguished personalities, including **Prof. (Dr.) Syed Misbahul Hasan**, Dean of the Faculty of Pharmacy; **Prof. (Dr.) Juber Akhtar**, Head of the Faculty of Pharmacy; **Prof. (Dr.) Wahajul Haq**, Dean of R&D at Integral University, Department of Chemistry, as well as all faculty members from the Department of Pharmacy. The presence of Ph.D. scholars and M. Pharm students added to the intellectual depth of the event, making it both enriching and highly engaging. Moreover, the lecture was relevant to SDGs 3,4,9 and 17 emphasizing on good health and well-being alongwith quality education.

The lecture, focusing on the **basic concepts of pharmacology**, was an enlightening session that explored critical aspects such as **specific receptors, signaling pathways, drug mechanisms**, and the **drawbacks and contraindications** of drugs that are often overlooked. **Prof. Yadav**, with his deep expertise, emphasized the importance of understanding these foundational elements, which are essential for academic and practical success in the field of pharmacology.

Prof. Yadav highlighted the role of **specific receptors** in drug action, explaining how these receptors mediate the effects of drugs and their implications for therapeutic outcomes. He also delved into the **signaling mechanisms** triggered by drug-receptor interactions, giving students a detailed understanding of how drugs act at the molecular level.

A significant part of the lecture was dedicated to discussing the **drawbacks and contraindications** that often go unnoticed in the pharmacological world. Prof. Yadav stressed the need for a comprehensive understanding of these aspects to ensure the safety and efficacy of drugs in clinical settings.

In addition to his technical insights, **Prof. Yadav** encouraged students to approach the study of pharmacology with a focus on **concept clarity** rather than mere memorization. His suggestion to learn with a deeper conceptual understanding resonated well with the attendees, providing them with a fresh perspective on how to approach their studies and future careers in pharmacology.

The lecture concluded with an interactive session where students and faculty members had the opportunity to engage with **Prof. Yadav**, asking questions and furthering their understanding of the complex subject matter. The Faculty of Pharmacy is deeply grateful to **Prof. (Dr.) Harlokesh Narayan Yadav** for his invaluable contribution to this event and thanks all attendees for making the lecture a success.



Prof. (Dr.) Juber Akhtar,  
Head,  
Department of Pharmacy.

Prof. (Dr.) Syed. Misbahul Hasan,  
Dean,  
Faculty of Pharmacy.