



A brief Report on

Visit to “Indian Institute of Toxicology Research, IITR, Lucknow

As part of the academic curriculum designed to expose students to the latest advancements in agriculture, **44 students**, accompanied by faculty members **Dr. Usman Sayeed, Dr. Pallavi Srivastava, Dr. Kalpana Bisht,** and **Mr. Mued**, visited the **Indian Institute of Toxicology Research (IITR)** in Lucknow on **4th September 2024**. The visit was conducted under the **“JIGYASA: A Scientist Connect Programme”**, aimed at promoting scientific curiosity and fostering a deeper understanding of research among students.

Dr. V. P. Sharma, Senior Scientist at IITR, welcomed the group and provided an overview of the institute’s history, mission, and key research areas. Established in 1965, IITR is dedicated to studying the adverse effects of chemicals on human health and the environment, playing a significant role in national efforts concerning chemical safety and regulatory toxicology. The **B.Sc. (Hons) Agriculture 2nd-year students** from **IIAST** actively participated and watched a documentary produced by IITR, which offered insights into the institute's groundbreaking research in areas like **environmental toxicology, chemical safety, and drug development**.

During the visit, the students were introduced to the Computational Toxicology Lab, where they observed the use of advanced computational techniques to assess chemical risks. The scientists demonstrated how cutting-edge software tools and simulation methods are employed to predict the toxicological effects of chemicals, saving time and resources in experimental work. The students were particularly intrigued by the role of Artificial Intelligence and Machine Learning (AIML) in toxicology research, which has become integral to modern scientific studies.

The visit concluded with the end of a highly informative and enriching experience. The students left with a deeper understanding of **pesticide toxicology** and were inspired by the innovative research being conducted at IITR. **Dr. V. P. Sharma** expressed his sincere gratitude to **Prof. (Dr.) Mohd. Haris Siddiqui**, Dean of the Faculty of Agricultural Science and Technology, and **Prof. Saba Siddiqui**, Head of the Department of Agriculture at IIAST, Integral University, for



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their support in facilitating this educational visit under the **JIGYASA: A Scientist Connect Programme**.

Glimpses of the visit:





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