
A brief report of guest lecture on the topic "Natural Sources: Plants and Microbes; Importance and Significance in Pharmacy" by Prof. Amalesh Samanta

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Guest Lecture on the topic "Natural Sources: Plants and Microbes; Importance and Significance in Pharmacy"**by Prof. Amalesh Samanta at Faculty of Pharmacy**

The Faculty of Pharmacy at Integral University organized a captivating guest lecture on September 2, 2023, featuring Prof. Amalesh Samanta, a distinguished academician and Professor from the Department of Pharmaceutical Technology at Jadavpur University, Kolkata. The lecture centered on the intriguing topic, "Natural Sources: Plants and Microbes; Importance and Significance in Pharmacy."

Key Highlights of the Guest Lecture:

The event began with a welcome address by Head of the department Prof. Juber Akhtar. He expressed his gratitude to Prof. Amalesh Samanta for gracing the occasion and shared the importance of such lectures in enhancing students' knowledge.

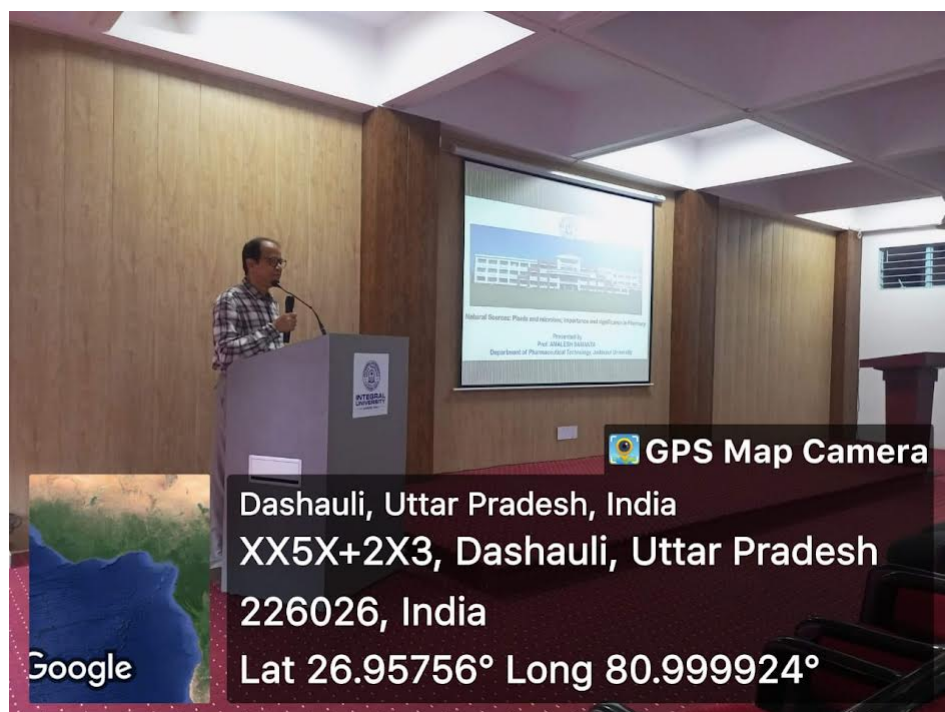
Prof. Samanta was introduced by Dr. Mohd Irfan Khan, Associate Professor to the Pharmacy students, highlighting his illustrious academic career and his significant contributions to the field of pharmaceutical technology, particularly in the area of natural sources and their relevance to pharmacy.

Prof. Samanta's lecture was insightful and comprehensive. He delved into the significance of natural sources, including plants and microbes, in pharmaceutical research and drug development. The lecture covered topics such as:

- The rich biodiversity of India and its potential for drug discovery.
- The role of traditional medicine systems and their integration with modern pharmaceutical practices.
- Examples of drugs derived from natural sources.
- The importance of sustainable sourcing and ethical considerations in utilizing natural resources.
- The future prospects and challenges in this field.

The significance of biodiversity, both in terrestrial plants and microbial communities, was emphasized. He elucidated how the vast diversity in nature presents an array of chemical compounds with pharmacological potential, making them invaluable for drug development. The lecture delved into the fascinating realm of ethnopharmacology, showcasing how traditional knowledge from indigenous communities has played a pivotal role in identifying medicinal plants and their applications stressing the importance of respecting and

preserving this wisdom. Following the lecture, an interactive session allowed students and faculty members to engage with Prof. Samanta. Participants had the opportunity to ask questions, seek clarifications, and discuss the implications of natural sources in their research and future careers.



Dr. Mohd Arif, Associate Professor, delivered closing remarks, expressing gratitude to Prof. Samanta for sharing his expertise and insights. He encouraged students to apply the knowledge gained from the lecture in their academic pursuits and research.

The guest lecture by Prof. Amalesh Samanta was a significant and enriching experience for the students and faculty members of the Faculty of Pharmacy at Integral University. It provided a deeper understanding of the importance of natural sources in pharmacy, bridging the gap between traditional wisdom and modern pharmaceutical science. This lecture not only expanded the horizons of knowledge but also inspired students

and faculty members to explore the untapped potential of natural sources in their research endeavors. It underscored the critical role of interdisciplinary research and collaboration in harnessing the gifts of nature for the betterment of healthcare. The lecture enhanced the academic knowledge of the attendees but also inspired them to explore the vast potential of natural sources in drug discovery and development.

The event was coordinated by Dr. Farogh Ahsan and Dr. Mohd Muazzam Khan, Associate Professor, Department of Pharmacy, Integral University. The Faculty of Pharmacy at Integral University is committed to organizing such informative and intellectually stimulating events to foster learning and research within the academic community. We express our gratitude to Prof. Amalesh Samanta for sharing his insights and knowledge, and we look forward to more such enlightening interactions in the future.



Prof. Juber Akhtar
Head,
Department of Pharmacy

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