

FACULTY OF PHARMACY, INTEGRAL UNIVERSITY organized Two Weeks Professional Development Program (PDP)

on

“Strategies to overcome challenges in Drug Development”.

The current drug development pipeline is multifaceted and complex, composed of great risk that a drug will not be successful even after many resources have been invested. Drug faces a number of challenges that complicate drug development even further. Opportunities to improve and accelerate drug development through emerging new tools and technologies, novel methodological approaches, and infrastructural changes must be explored. Drug development faces the double challenge of increasing costs and increasing pressure on pricing. To avoid that lack of perceived commercial perspective will leave existing medical needs unmet, pharmaceutical companies and many other stakeholders are discussing ways to improve the efficiency of drug research and development. Keeping in this view, the Faculty of Pharmacy organized a **Two Weeks Professional Development Program (PDP) on “Strategies to overcome challenges in Drug Development”**. The duration for the PDP was 9th November to 24th November. The sessions were held online on Google meet Platform. The PDP attracted a fair number of participants from Integral University as well as other Universities/Institutions/Colleges which are mainly Faculty members and Research Scholars.

Following were the highlights of the PDP:

- Recent advances in Computer Aided Drug Designing and their applications.
- Pre- clinical screening models with special emphasis on alternative to animal models.
- New approaches and guidelines for the standardization of Phytopharmaceuticals.
- Emerging trends in Novel Drug Delivery techniques.
- Regulatory aspects and prospective of Safety Pharmacology Studies.
- Analytical tools for pre-formulations and Pharmacokinetics studies.

➤ **Inaugural session of PDP**

The Inaugural Session was held on 9 November, 21 which started with welcome address delivered by Prof. Syed Misbahul Hasan, Dean, Pharmacy, Integral University, Lucknow. It was followed by key note lecture on the topic “*Nanocarrier based delivery of combination drugs – Challenges & Opportunities*” by Dr. Sanjaula Baboota, Professor, Deptt of Pharmaceutics, SPER, Jamia Hamdard, New Delhi. The session was close with Vote of thanks by Dr. Tarique Mahmood, Head, Pharmacy, Integral University, Lucknow.

Scientific Sessions:

Session 1

An Expert Lecture was delivered on the topic “*Problems associated with nanocarriers of polyherbal formulation and their remedies*” by Dr. Satya Prakash Singh, Associate Professor & HOD, Institute of Pharmaceutical Sciences, Dr. Ram Manohar Lohia Awadh University, Ayodhya

Session 2

An Expert Lecture was delivered by Dr. Shariq Syed, Dean, School of Pharmacy, AIKPC, New Panvel, on the topic “*Drug Development Journey: Challenges & Opportunity (Oncology Case Study)*”.

Session 3

An Expert Lecture was delivered by Dr. Munira Momin, Principal, Dr. Bahubhen Nanvati College of Pharmacy, Mumbai, on the topic “*Therapeutics Efficacy of Nano Drug Delivery system: Case studies and translational potential*”

Session 4

An Expert Lecture by Prof. Chanchaldeep Kaur, Principal, Rungta College of Pharmaceutical sciences and research, Raipur, Chattisgarh. Her topic was *Emerging trends in Drug Delivery Techniques in Cancer Management*.

Session 5

An Expert Lecture was delivered by Dr. Tanveer Naved, Head, Amity Institute of Pharmacy, Amity University, Noida. The topic of the lecture was “*Herbal Nutraceuticals: Health benefits & Regulations.*”

Session 6

An Expert Lecture was delivered on the topic “*Role of Artificial Intelligence in Personalized medicine*” by Prof. Jagannath Sahoo, Director, School of Pharmaceutical & Population Health Informatics, DIT University, Dehradun.

Session 7

An Expert Lecture was delivered by Dr. Himani Awasthi, Associate Professor, Amity Institute of Pharmacy, Amity University, Lucknow. Her topic was “*Preclinical Drug Development for neurodegenerative disorders*”

Session 8

An Expert Lecture was delivered by Dr. Faraat Ali, Manager, Lab Services, Botswana Medicines Regulatory Authority, Botswana. He gave a talk on the topic “*Genotoxic Impurities in Drug Substances and Drug Products: A Regulatory Approach.*”

Session 9

An Expert Lecture was delivered by Dr. Md. Nasar Mallick, Associate Professor, Deptt. Of Pharmacy, Galgotias University, Noida, on the topic “*Tools & Techniques used for Standardization of Phytopharmaceuticals*”

Session 10

An Expert Lecture was delivered by Dr. Gaurav Kumar Jain, Associate Professor, DPSRU, New Delhi. His topic was “*Gamma scintigraphy in drug product development and branding.*”

Session 11

An Expert Lecture was delivered by Prof. Mayank Bansal, Principal, Jaipur College of Pharmacy, Jaipur on the topic “*Role of Preformulation in Drug Product Development*”

Session 12

An Expert Lecture was delivered by Dr. Randhir Singh Dahiya, Professor, M.M.U., Mullana, Panjab on the topic “*Alternative to Animal Models.*”

Session 13

An Expert Lecture was delivered by Dr. Sudhansu Ranjan Swain, Director, MIT, Moradabad, on the Topic “*Standardization of herbal drugs as per WHO Guidelines*”

Session 14

An Expert Lecture was delivered by Dr. Santosh K. Verma, Principal school of Pharmaceutical Sciences Motherhood University Roorkee on the Topic “*Recent Advances in Preclinical Screening Models.*”

Session 15

An Expert Lecture was delivered by Dr. Arshad Hussain, Director, Harsha Institute of Pharmacy, Lucknow. His Topic was “*Phytopharmaceuticals: A new drug class regulated in India.*”

Session 16

An Expert Lecture was delivered by Dr. Shah Alam Khan, Professor and Head, College of Pharmacy, National University of Science and Technology, Muscat, Oman, on the topic “*Drug Design Strategies for the drug discovery and development process.*”

Session 17

An Expert Lecture was delivered by Prof. P. K. Sharma, Pro Vice Chancellor, Galgotias University, Greater Noida on the Topic “*Novel Drug Delivery Systems*”

Session 18

An Expert Lecture was delivered by Dr. Akash Ved, Director, Goel Institute of Pharmaceutical Sciences, Lucknow. His topic was “*Quality Control Analysis of Herbal Drugs*”

Session 19

An Expert Lecture was delivered by Dr. Neeraj Verma, Director, Goel Institute of Pharmacy, Lucknow. His topic was “*Alternative screening models for preclinical studies: the need of hour.*”

Session 20

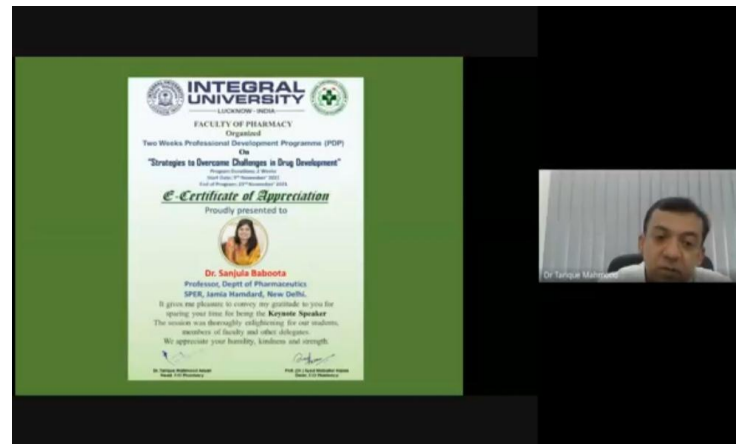
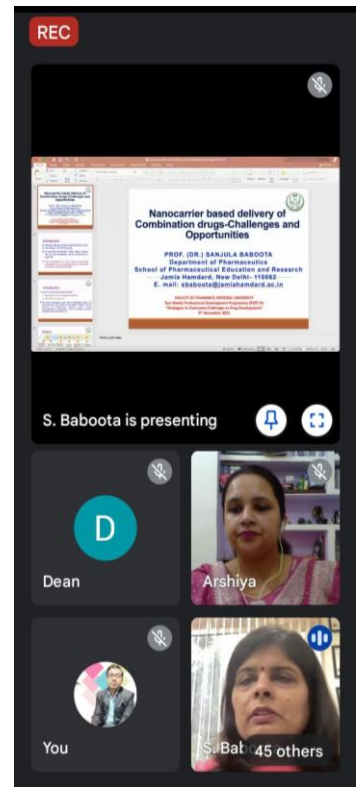
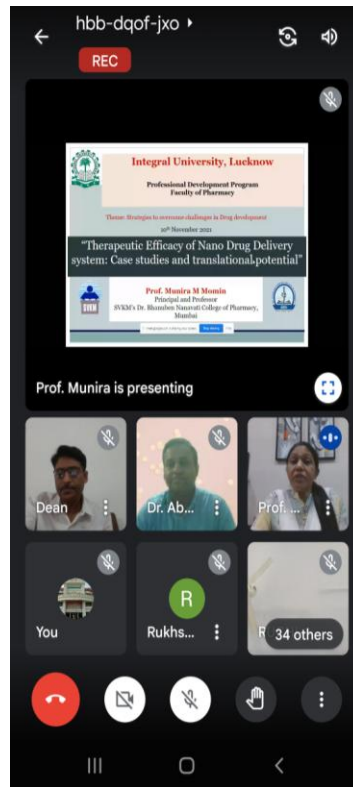
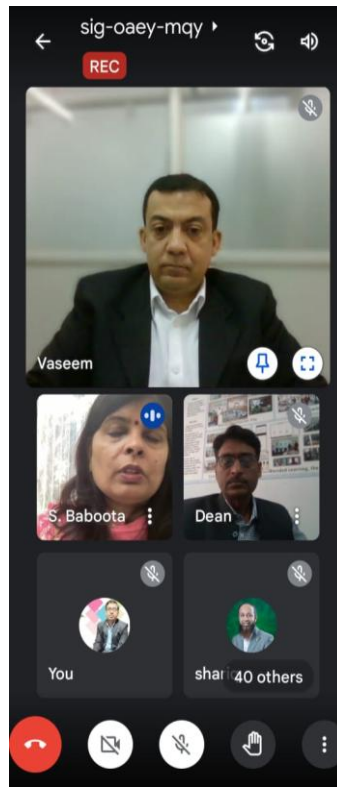
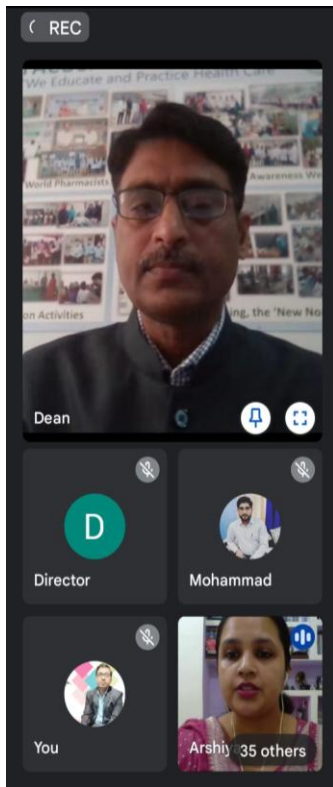
An Expert Lecture was delivered by Prof. Manju Pandey, Director, Institute of Pharmacy SRMU, Lucknow. Her topic was “*Quality Criteria and Standardization of Phytopharmaceuticals*”

Valedictory Session

The PDP closed with the Valedictory session wherein the felicitation of the speakers and the vote of thanks was proposed by Dr. Tarique Mahmood, Head, Pharmacy, Integral University, Lucknow.

Core Committee of PDP consisted of Dr. Vaseem Ahmad Ansari, Dr. Anuradha Mishra, Dr. Shazia Afzal Usmani, Dr. Kuldeep Singh, Dr. Juber Akhter, Dr. Farogh Ahsan and Dr. Md. Azizur Rahman

Organizing Secretaries of PDP were Prof. Syed Misbahul Hasan, Dean, Faculty of Pharmacy, Dr. Tarique Mahmood Ansari, Head, Faculty of Pharmacy.



Dr. Tarique Mahmood
Head,
Faculty of Pharmacy

Prof. Syed Misbahul Hasan
Dean,
Faculty of Pharmacy