

FACULTY OF PHARMACY, INTEGRAL UNIVERSITY

organized

Second 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 **Second Professional Development Program (PDP) on “Strategies to overcome challenges in Drug Development”**. The duration for the PDP was 12th December to 17th December. 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 were mainly Faculty members and Research scholars. Total 196 participants have been registered throughout the country and abroad.

Following were the highlights of the PDP:

- Recent advances in Computer Aided Drug Designing and their applications.
- Recent advances in Immunotherapeutic
- New approaches and guidelines for the standardization of Phytopharmaceuticals.
- Emerging trends in Novel Drug Delivery techniques.
- Regulatory aspects and prospective of Safety Pharmacology Studies.
- Novel approaches in Medicinal Chemistry.

Inaugural session of PDP

The Inaugural Session was held on 12th December' 2022 which started with welcome address delivered by Prof. Syed Misbahul Hasan, Dean, Pharmacy, Integral University, Lucknow. It was followed by keynote lecture on the topic "*Solid lipid Nano Particles: A Novel Approach in Modern Drug Delivery System*" by Dr. Swarupananda Mukherjee, Research Advisor, NSHM Knowledge Campus, Kolkata. The session was close with Vote of thanks by session moderator Dr. Arshiya Shamim.

Scientific Sessions:

Day -1 (12/12/2022)

Second session

An Expert Lecture was delivered on the topic "*Regulatory Aspects and Prospective of Safety Pharmacology Studies*" by Dr. Satya Prakash Singh, Associate Professor & HOD, Institute of Pharmaceutical Sciences, Dr. Ram Manohar Lohia Awadh University, Ayodhya

Day -2 (13/12/22)

First session

An Expert Lecture was delivered on the topic "*Nutraceuticals – Health Benefits and Regulations in India*" by Dr. Tanveer Naved, Head, Institute of Pharmacy, Amity University, Noida.

Second session

An Expert Lecture was delivered on the topic "*Boosting menthol production of field grown mint by some novel technique*" by Dr. Masroor Akhtar Khan, Professor, Aligarh Muslim University, Aligarh.

Day-3 (14/12/22)

First session

An Expert Lecture was delivered on the topic "*Drug Repurposing through Machine learning program: A recent advancement in computer Aided Drug Design*" by Dr. Laxmi Tripathi, Professor, Agra Public Pharmacy College, Agra.

Second session

An Expert Lecture was delivered on the topic "*Molecules to Medicines: A Translational Journey*" by Prof. Chowdhury Mobaswar Hossain, Head, Digital Health Care Technology, Makaut, West Bengal.

Day-4 (15/12/22)

First session

An Expert Lecture was delivered on the topic “*New Advances in Anticonvulsant Drug Research*” by Dr. Praveen Kumar, Asso.Professor, Faculty of Pharmacy, UttarPradesh University of Medical Sciences, Saifai, U.P.

Second session

An Expert Lecture was delivered on the topic “*Nutraceuticals*” by Dr. Md. Salahuddin Professor and Principal, Al Ameen college of Pharmacy, Bengaluru.

Day-5 (16/12/22)

First session

An Expert Lecture was delivered on the topic “*Clinical efficacy and Therapeutics Potential of Special drug delivery system: A boon for the cure of diseases*” by Dr. Satnam Singh, Professor, AIMSR, Bhatinda, Punjab.

Second session

An Expert Lecture was delivered on the topic “*Challenges and Possible Treatment Approaches in Drug Developments against Hepatic Cancer*” by Dr. Amita Verma, Professor, Department of Pharmaceutical Sciences, SHUATS, Prayagraj.

Day-6 (17/12/22)

First session

An Expert Lecture was delivered on the topic “*Regulatory Landscapes*” by Dr. Zeenat Iqbal, Professor, SPER, Jamia Hamdard, New Delhi.

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, Department of Pharmacy, Integral University, Lucknow.

Core Committee of PDP consisted of Dr. Vaseem Ahmad Ansari, Dr. Shazia Afzal Usmani, 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.



INTEGRAL UNIVERSITY

LUCKNOW - INDIA



FACULTY OF PHARMACY
Organizes
Second Professional Development Programme (PDP)
On
"Strategies to Overcome Challenges in Drug Development"
Program Durations: 1 Weeks (12th to 17th December' 2022)

Eminent Speakers



Dr. Swarupanda Mukherjee
Research Mentor
ICM Knowledge Campus, Kolkata



Dr. Kausi Khada
Professor, School of Pharmaceutical Sciences
Jaink Professional University, Raigarh



Dr. Tameez Naveed
Head, Jami Institute of
Pharmacy, Jami University, India



Dr. Masood Akhtar Khan
Professor, Aligarh Muslim University
Aligarh



Dr. Laxmi Tripathi
Professor, Jyoti Public Pharmacy College
Agra



Prof. Chowdhury Mahabubur Hussain
Head, Indian Health Care Technology
Mumbai, West Bengal



Dr. Praveen Kumar
Professor, Faculty of Pharmacy, Bihar
Pradesh University of Medical Sciences, Patna



Dr. Md Salahuddin
Professor, J.P. Institute, Sri Keesari College of
Pharmacy, Bangalore




Dr. Satnam Singh
Asst. Professor, BMSF
Bikaner



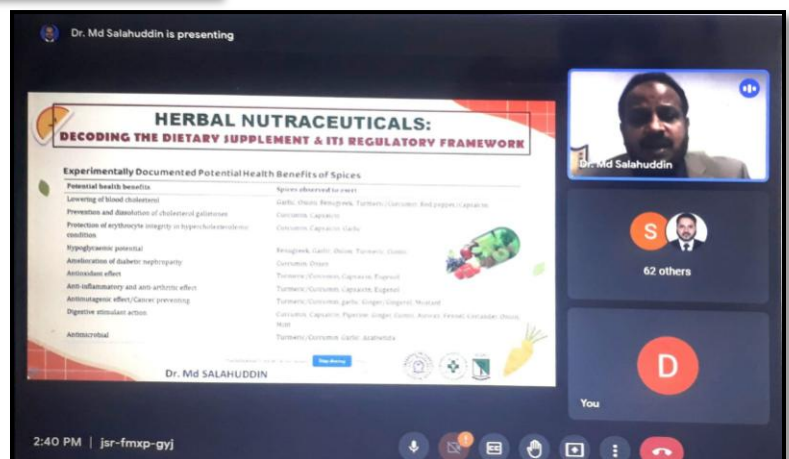
Dr. Anika Verma
Professor, Department of Pharmaceutical Sciences
SRMIST, Pimpri



Dr. Zameer Iqbal
Professor, SPJ, Jinnah Hospital
New Delhi

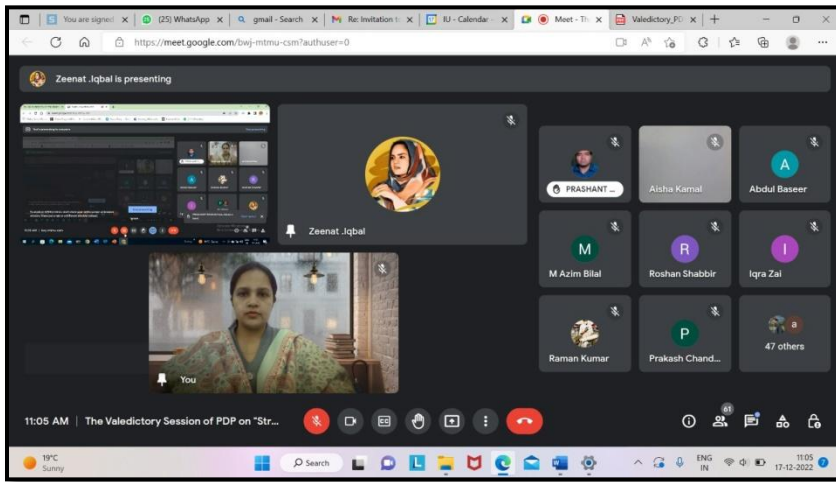


The screenshot shows a Google Meet interface. The main content is a presentation slide titled "Solid Lipid Nanoparticles (SLNs): A Novel Approach in Modern Drug Delivery System" by Dr. Swarupanda Mukherjee, Department of Pharmaceutical Technology, NSHM Knowledge Campus, Kolkata. The slide also mentions the PDP on Strategies to Overcome Challenges in Drug Development at Integral University, Lucknow, India, from 12th to 17th December, 2022. The meeting controls at the bottom show the time as 11:00 AM and the session as "The inaugural session for an Online P...".



The screenshot shows a Google Meet interface. The main content is a presentation slide titled "HERBAL NUTRACEUTICALS: DECODING THE DIETARY SUPPLEMENT & ITS REGULATORY FRAMEWORK" by Dr. Md Salahuddin. The slide lists "Experimentally Documented Potential Health Benefits of Spices" with two columns of benefits and associated spices. The meeting controls at the bottom show the time as 2:40 PM and the session as "jsr-fmxx-gyj".

Experimentally Documented Potential Health Benefits of Spices	
Potential health benefits	Spices observed to have:
Lowering of blood cholesterol	Gallic, Chloro, Berberones, Turbans, Cloves, Red pepper, Capsaicin
Prevention and dissolution of cholesterol plaques	Cumin, Capsaicin
Protection of atherosclerotic integrity in hypercholesterolemia condition	Cumin, Capsaicin, Garlic
Hypoglycaemic potential	Black pepper, Garlic, Onion, Turmeric, Cloves
Antidiabetic effect	Cumin, Onion
Anti-inflammatory and anti-arthritic effect	Turmeric, Cumin, Capsaicin, Fenugreek
Antimutagenic effect/Carcinoma preventing	Turmeric, Cumin, garlic, Ginger, Onions, Mustard
Digestive stimulant action	Cumin, Capsaicin, Fenugreek, onion, Garlic, Aniseed, Fennel, Coriander, Mustard, Must
Antibacterial	Turmeric, Cumin, clove, aniseed



Dr. Tarique Mahmood Ansari
Head,
Department of Pharmacy

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