

Type of Event: Workshop

Name of the Event: Handling Sophisticated Instruments and Data Interpretation

Coordinator Name and contact Details: Dr. Divya Bhandari, Phone - 8725063303, email ID- divya.pharma@cumail.in

Student committee

1. Ms. Radhika Sharma- 19BPH1088- sharmaradhika2879@gmail.com- 8196030017
2. Mr. Hritik Raj- 19BPH1091- uips.19bph1091@gmail.com- 7424960621
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About the Workshop:

Taking the influence of sophisticated instruments and data interpretation into consideration, Workshop on 'Handling Sophisticated Instruments and Data Interpretation', has been included in TECHINVENT by the University Institute of Pharma Sciences. This workshop will provide a platform for knowledge sharing and learning to all the stakeholder in the field of Pharmacy. The objective of this workshop is in its ability to help students, academicians, and researchers to develop an understanding of modern analytical techniques. This workshop creates a path to understand the concept and implication of these modern techniques in the context of research and apply the principles of both in a real-time scenario. The workshop will be divided in two parts: one part will include basic understanding of the concepts related to the instrument & second part will include demonstration of instruments, data analysis and data interpretation wherever applicable.

Objective of the Workshop:

- This workshop will help students, academicians, and researchers to develop an understanding on modern analytical techniques.
- Make the participants aware about the data interpretation.
- Make participants aware how NMR can help to evaluate the structure of compounds.

Outcome of Workshop:

- To enable participants to determine particle size which will further help in deciding formulation, bioavailability, and degradation.
- To enable participants and other participants with modern analytical skills for better career options.
- To enable participants to study in-vitro drug release patterns.

Key takeaways for the Participants:

Basic understanding of the concepts related to the instrument & second part will include demonstration of instruments, data analysis and data interpretation.

Benefits of the workshops:

1. Certification of participation.

Tentative Schedule

24th August 2021 - 28th August 2021

Expert

1. Dr. Dinesh Kumar, Centre of Biomedical Research (CBMR), Government of UP.
2. Mr. Mayank Varshney, Application Specialist, Anton Paar, Gurgaon, India.
3. Mr. Mukesh Sonawane, Product Specialist, Lab India Analytical Instruments Pvt. Ltd. Chandigarh.

Topics to be covered in the Workshop (Proposed)

- Technical and conceptual aspects of biomolecular NMR (Sample preparation, loading, data analysis and interpretation)
- Various software tools for facile NMR data analysis of purified compounds to biological fluids.
- Basics of Rheology in Pharmaceutical Applications
- *In-Vitro* drug release studies

Registration Process

- The google form link will be shared for the participants to register for the workshop including details like Name, Designation, Present Organization, and Place.
- At the end of the workshop participants are required to fill the feedback form for the betterment and learning.
- Filling the feedback form will be compulsory for the candidates to receive the workshop certificates.

Participation Certificate to be Given