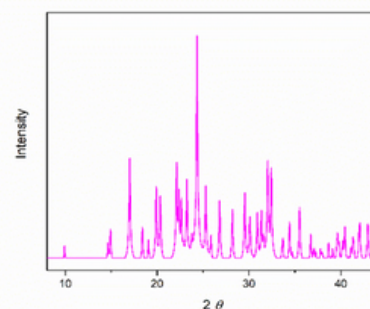
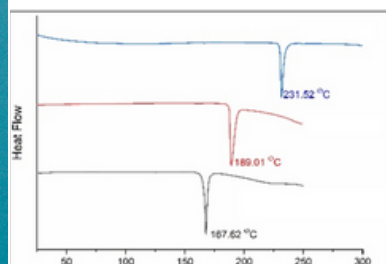
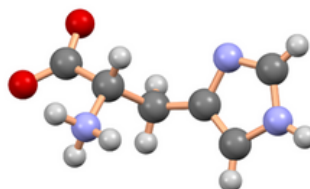




CSIR
INTEGRATED
SKILL
INITIATIVE

CSIR-NCL SKILL DEVELOPMENT PROGRAM

"Solid-State Pharmaceutical Chemistry"



ABOUT COURSE

Polymorphs, salts, hydrates, solvates and eutectics are gaining tremendous importance in pharmaceutical industries because of their ability to modify physicochemical and pharmacological properties of APIs (Active Pharmaceutical Ingredients) which enhances their therapeutic efficacy. Therefore, pharmaceutical companies are focused on screening for APIs for polymorphism and the development aspects of novel salts/cocrystals that include physicochemical characterization, scale up, processing and formulations of these materials. Therefore, pharmaceutical companies are looking for experts in the area of solid state pharmaceuticals, especially having experience in developing novel solids of APIs with desired physicochemical and biopharmaceutical properties.

COURSE CONTENT

Introduction to Different Solid Forms, Solid-state Properties of Pharmaceutical Solids, Theory and Principles of Polymorphic Systems, Coamorphous and Salts, Crystal Engineering and Supramolecular Chemistry, Methods of Preparation of Polymorphs, Eutectics, Co-amorphous systems, Polymorphs, Salt and Cocrystal Screening, Thermodynamics of Different Solid Forms, Structural Aspects of Different Solid Forms, Characterization Methods for Polymorphs, Salts and Cocrystals (SCXRD, PXRD, DSC/TGA, IR etc.), Solid-state Phase Transformations, Crystal Structure Analysis, Regulatory Aspects of Polymorphs, Salts and Co-amorphous and eutectics.



FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals

PRIME INSTRUCTOR & TEAM

Dr. Rajesh Gonnade
Dr. Manish Mishra

COURSE DETAILS

Duration - 2 Weeks
Dates - 7th Oct to 17 Oct 2024
No. of Seats - 15
Eligibility - M. Sc., M. Pharm., Life Sciences

Course Fees -
Students - **8260 /-**
Faculty - **29500/-**
Industrial Professional - **59000 /-**
(The fees stated include 18% GST)
Accommodation - 1 week + 2 days with affordable charges

Here is the reason why
WHY CHOOSE US



- More weightage on hands-on practice
- Interactive sessions
- Robust & sustainable training module
- Affordable fee structure
- Networking