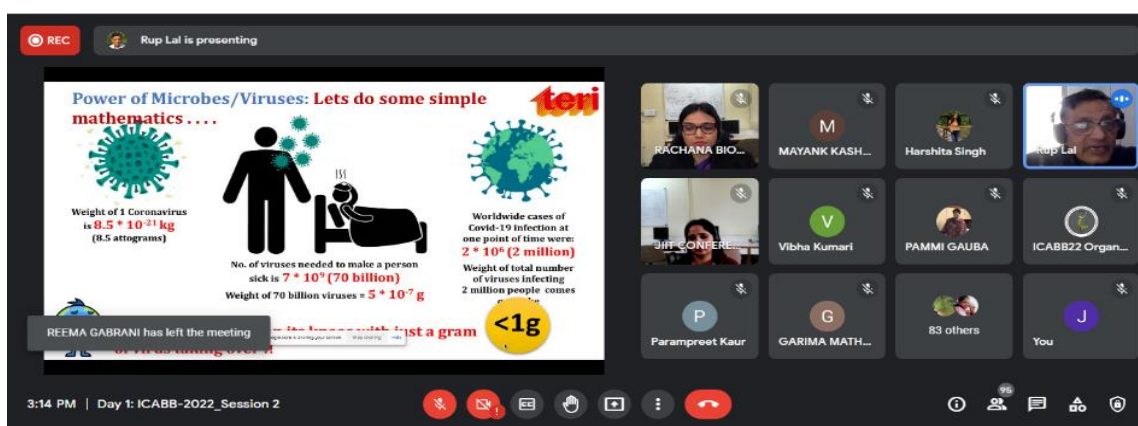


Conferences, Faculty Development Programs & Workshops

CONFERENCES

Department of Biotechnology, JIIT, annually organizes an International Conference on Advances in Biosciences and Biotechnology (ICABB), and has successfully completed six chapters on various themes of scientific interest.



International Conference on Advances in Biosciences and Biotechnology – 2022 (ICABB 2022) (Theme: Innovations in Life Sciences and Computational Biology)	20-22 January 2022
International E-Conference on Advances in Biosciences and Biotechnology – 2021 (ICABB 2021) (Theme: Recent Trends in Biosciences and Biomedical Research)	28-30 January 2021
International Conference on Advances in Biosciences and Biotechnology – 2020 (ICABB-2020) (Theme: OMICS in Human Health and Disease)	30 January – 1 February 2020
International Conference on Advances in Biosciences and Biotechnology – 2019 (ICABB 2019) (Theme: Bioresources and Biodiversity)	31 January – 2 February 2019

FACULTY DEVELOPMENT PROGRAMS ORGANIZED

The Department also facilitates capacity building and enhancement for students and faculty by conducting Workshops and Faculty Development Programs. Talks and trainings given by experts from academia and industry give a new perspective to faculty teaching and also hone the students' research interests.



Department of Biotechnology, Jaypee Institute of Information Technology Noida organizes Faculty Development Program (25th - 30th July 2022) Topic: Innovations in Drug Delivery Technologies

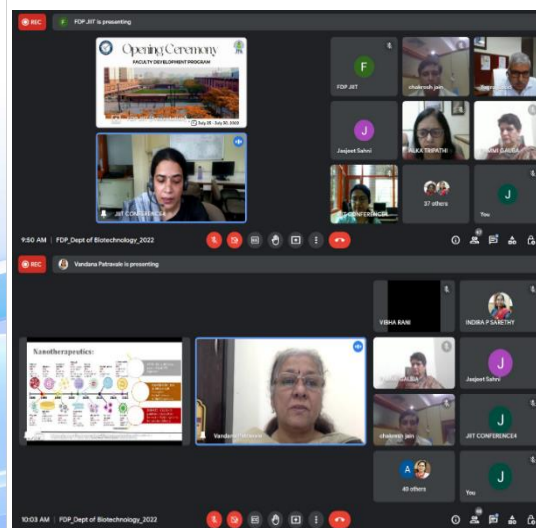
About the Institute and Department of Biotechnology
 Jaypee Institute of Information Technology (JIT), NOIDA was established in the year 2001 and has been declared as a "Deemed to be University" under Section 3 of UGC Act 1956. The undergraduate programs of the University have been accredited by the National Board of Accreditation of AICTE. The Department of Biotechnology and JIT established in 2002, remains committed to provide research informed teaching and learning and a state of art R & D environment. It has been consistently ranked amongst the best institution in India by Biospectrum. Research focus of the Department is on emerging, reemerging and lifestyle diseases, natural bioproducts of therapeutics and industrial importance, their molecular mechanism of action, drug delivery and bioremediation/ phytoremediation strategies. Active research in these areas has resulted in a number of extra mural funded projects and publications of national and international repute.

About FDP
Innovations in Drug Delivery Technologies
 Drug delivery is a broad area of research and development which covers the delivery of various drugs and compounds in humans or animals to achieve therapeutic effects.

Innovations in the field of drug delivery have led to improved formulations and novel technologies to deliver the drugs, bioactives and biologics. Selection of a drug delivery method has significantly impacted the efficacy of the drug. Many important physicochemical and pharmacological properties of the drug such as poor solubility and stability, lipophilic nature, low bioavailability, high peripheral circulation etc can be improved by using a desirable drug delivery system. Improvements based upon technologies like inhalers, insulin delivery devices, delivery through extracellular vesicles, i.e. exosomes, to develop new therapeutics etc have been executed by some scientists and researchers and many more are working in this field to develop new ways of delivering drugs through different means.

Following key areas will be covered:

- Lipid Nanotherapeutics
- Drug Delivery Devices in Biologics
- Nanoscale Drug Delivery Systems
- IP strategies in drug discovery
- Trends in delivery of bio actives in CPG industry
- Delivery of drugs in combinations



Faculty Development Program on "Innovations in Drug Delivery Technologies"	25-30 July 2022
Faculty Development Program on "Food and Agriculture Biotechnology"	2-7 August 2021
Faculty Development Program on "Recent Advances in Food and Microbial Biotechnology"	13-18 July 2020
Faculty Development Program on "Recent Trends in Industrial Biotechnology"	1-6 July 2019

WORKSHOPS ORGANIZED

Department of Biotechnology,
Jaypee Institute of Information Technology
organizes



**NEXT GENERATION BIOINFORMATICS
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- Immunoinformatics
- Systems Biology
- Phylogenetic Analysis
- Antimicrobial Resistance
- Functional Annotation of Microbial Genomes

April 4-15, 2022
2 PM Onwards

CONVENERS
Prof. Pammi Gauba
Dr. Shazia Haider
Dr. Sonam Chawla

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Virtual Workshop & Hands-on Training
on
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Implications in Agriculture and Human
Health"

5th-9th December 2022

Organized by
Department of Biotechnology
Jaypee Institute of Information Technology
Noida - 62

Conveners
Prof. Pammi Gauba
Prof. Rachana and Dr. Pooja Choudhary

About JIIT
JIIT's state-of-the-art, environmentally conditioned campus comprises of state of art buildings with Wi-Fi connectivity covering the Academic Block, Business School cum Research Block, Faculty Residences, Student Hostels and Annapurna. Well equipped modern laboratories and an intellectually stocked Learning Resource Centre with books and E-Resources provide a pleasant and stimulating ambience. It is a Center of Excellence in the field of IT & related merging areas education, training and research and comparable to the best in the world for producing professionals who shall be leaders in innovation, entrepreneurship, creativity and management.

About the Department
The scope of biotechnology is never ending as the power to alter life has just seen its beginning. The field of biotechnology is steadily growing in India – we are among the top 12 destinations for biotechnology education in the world and hold nearly significant share in the global Biotechnology industry. The Department of Biotechnology at JIIT, NOIDA, established in 2002, remains committed to provide innovative research-informed teaching and learning, and vibrant R & D environment. Faculty here is with rich research exposure in academia and industry both in India and abroad contributes to the department academic core.



1 Day workshop organised in collaboration with JIIT, Wagnaghat on "Environment and Sustainability" on 9 June 2022

5 days' Workshop on "Next Generation Sequencing and its Implications in Agriculture and Human Health"	5-9 December 2022
Half day training workshop on Aptitude & Logic for Competitive Exams & Job Interviews (in collaboration with Career Launcher, Delhi)	18 November 2022
1-day Workshop on "Workshop on "Environment and Sustainability"	9 June 2022
2 Week Virtual Workshop on "Next generation bioinformatics approaches on infection biology"	4-15 April 2022
Virtual workshop and hands-on training on "bioinformatics approaches for data analysis and research"	12-14 August 2021