



3rd International Conference on Biotechnology and Bioinformatics

Theme: Sustainable Healthcare, Agriculture, Environment, and Computational Biology

28th - 30th May 2026

Organised By

DEPARTMENT OF BIOTECHNOLOGY AND BIOINFORMATICS

Jaypee University of Information Technology

Waknaghat, Solan, Himachal Pradesh - INDIA (173234)

ICBAB-2026 aims to bring together leading academicians, industry experts, research scientists and scholars to exchange and share their knowledge, experiences and findings across multiple aspects. The goal of the conference is to provide a potential platform for exchanging and updating knowledge in Biotechnology and Bioinformatics research and innovation. The conference has also been planned to include a discussion forum amongst the selected academicians and industry delegates, researchers, and other potential resources.

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Organising Committee

Dr. Saurabh Bansal
Coordinator & Convenor

Dr. Ashok Kumar Nadda
Convenor

Dr. Shikha Mittal
Convenor

About Jaypee University of Information Technology, Solan:

Jaypee University of Information Technology (JUIT) was conceived by a joint vision of the Govt of Himachal Pradesh and the Founder Chairman of Jaypee Group, Shri Jai Prakash Gaur, in 2000. The university was established by Act No. 14 of 2002 vide Extraordinary Gazette Notification of the Govt. of Himachal Pradesh dated May 23, 2002. Recognized by the University Grants Commission under Section 2(f) of the UGC Act and is a member of the Association of Indian Universities (AIU). Since its inception, JUIT has emerged as a premier institution of higher learning, committed to excellence in teaching, research, and innovation.

The university offers a wide spectrum of undergraduate, postgraduate, and doctoral programs across engineering, biotechnology, bioinformatics, sciences and management. Its flagship programs include B.Tech. degrees in Biotechnology, Bioinformatics, Civil, Computer Science, Electronics, and IT; M.Tech. specializations in Biotechnology, Civil Engineering, Computer Science, and Electronics; as well as BBA, MBA, B.Sc. (Mathematics, Forensic Science) and M.Sc. programs in Physics, Biotechnology, and Microbiology. Comprehensive Ph.D. programs are also offered across major disciplines.

Through its interdisciplinary approach, vibrant research culture, and collaborations with national and international institutions, JUIT continues to nurture innovators and leaders addressing global challenges in healthcare, agriculture, environment, and sustainable technologies.

About Department of Biotechnology and Bioinformatics:

The Department of Biotechnology and Bioinformatics at JUIT is a vibrant hub of advanced learning and research, with strengths in molecular biology, genomics, computational biology, and industrial biotechnology. Through academic rigor, state-of-the-art laboratories, and collaborations with national and international institutions, the department nurtures innovators and leaders to address global challenges in healthcare, agriculture, environment, and sustainable technologies.

Academic offerings include B.Tech. in Biotechnology and Bioinformatics, B.Sc. Forensic Science, M.Sc. Biotechnology and Microbiology, M.Tech. Biotechnology, and Ph.D. programs in Biotechnology and Bioinformatics. With its interdisciplinary curriculum and active research culture, the department continues to foster excellence and prepare students for impactful contributions in science and society.

About Wagnaghat:

Wagnaghat is located in the Solan district of Himachal Pradesh. Wagnaghat is located midway between Shimla and Solan, around 25 km each, at an altitude of 1,700 m (5,600 ft) on average. Wagnaghat has a cool climate. Wagnaghat is easily accessible by road. It is 93 km (58 miles) from Chandigarh.

About the Conference:

The 3rd International Conference of Biotechnology and Bioinformatics (ICBAB-2026) aims to bring together leading academicians, industry experts, research scientists, and scholars to exchange and share their knowledge, experiences, and findings across diverse domains of biotechnology and bioinformatics. The goal of the conference is to provide a dynamic platform for updating and disseminating advancements in sustainable healthcare, agriculture, the environment, and computational biology. The event has also been designed to include interactive workshops, keynote lectures, and a discussion forum amongst selected academicians, industry delegates, researchers, and other resource personnel to foster collaboration, networking, and future partnerships. The theme of the conference is “Frontiers in Sustainable Healthcare, Agriculture, Environment, and Computational Biology”. However, ICBAB-2026 solicits original papers and contributions in all of the related areas.

Eminent Speakers



Dr. Yosi Shacham Diamand
Prof., Reichman University, Israel



Prof. Xue-Jun Li
Prof., University of Illinois, Chicago



Dr. Yen Wah Tong
Prof., NUS, Singapore



Dr. Sudesh K. Yadav
Director, IHBT, Palampur



Dr. Rajesh K. Sani
Prof., South Dakota School of
Mines & Technology, USA



Prof. Bishwajit Kundu
Prof., IIT Delhi, New Delhi



Dr. Santosh K. Gupta
ICAR-Indian Institute of Millets
Research, Hyderabad



Dr. Meena K. Chaudhary
Scientist C, CIAB, Mohali



Dr. Indrani Ghosh
Principal Technical Officer,
IPU, CSIR, New Delhi



Dr. Anshu Bhardwaj
Scientist F, IMTECH, Chandigarh

Pre-conference Workshop

Workshop 1: Next Generation Sequencing (NGS) Data Analysis

- Understanding NGS technologies and applications
- Bioinformatics pipelines for genomic data processing
- Variant analysis, genome annotation, and interpretation
- Real-world tools used in genomics and precision medicine

Workshop 2: Bio-Factories of the Future: Industrial Tissue Culture Technologies

- Large-scale plant tissue culture and micropropagation
- Industrial biofactories for sustainable agriculture
- Commercial applications in pharma, nutraceuticals, and crop improvement
- Future trends in industrial biotechnology and green technologies

Main Tracks

Healthcare Biotechnology (Track-1)	Agricultural Biotechnology (Track-2)	Environmental Biotechnology (Track-3)	Computational Biology & Bioinformatics (Track-4)
<ul style="list-style-type: none"> • Molecular Diagnostics, Biomarkers and Personalized Medicine • Gene editing (CRISPR, base editing) and therapeutic applications • Vaccine Development & Immunotherapy • Regenerative Medicine & Stem Cell Technologies • Biotech Startups in Healthcare Innovation 	<ul style="list-style-type: none"> • Genetically Modified Crops & Food Security • Plant-Microbe Interactions & Soil Health • Biopesticides, Biofertilizers and Sustainable Inputs • Climate-Resilient Agriculture and Precision Farming • AgriTech Startups & digital agriculture platforms 	<ul style="list-style-type: none"> • Bioremediation and waste management • Bioenergy and biofuels for sustainable development • Microbial ecology and ecosystem restoration • Circular bioeconomy and green technologies • Policy, ethics, and sustainability frameworks 	<ul style="list-style-type: none"> • AI & Machine Learning in Genomics and proteomics • Systems Biology & Network Modeling • Big Data Analytics in Biomedical and agricultural Research • Structural Bioinformatics & Drug Design • Cloud Platforms & Open-Source Tools and collaborative databases

Call for Abstract:

- Participants are invited to submit an abstract on their research work, a hypothesis (max. 300 words and 6 keywords) that should be written in Times New Roman with 12 font size using Microsoft Word with 1.5 spacing. Corresponding author must be highlighted by an asterisk (*) with complete mailing address and affiliation.

Conference Sessions:

- The conference sessions covering all the themes and subthemes will be supported by the plenary talks, invited talks, oral presentations and poster presentations by eminent scientists and academicians from India and abroad on the relevant topics.



Poster Presentation

All the participants are requested to prepare their poster that should not exceed the dimensions 1.2 × 1.0 m and furnished with a title, author name, affiliation, introduction, methods and materials, results and discussion, and conclusion. Clear pictures, diagrams, graphs, and short tables are highly encouraged to use in posters to win the best poster prize.

Awards

1. Best Poster Awards
2. Best Oral Awards
3. Young Scientist Awards (Age Limit: 35 years)



Register Here!

Registration Fee Details

	UG/PG	Ph.D./Post-Doc/Research Staff	Faculty/Scientist	Industry	Accompanying Person	International Participants
Early Bird (Till 31 Mar 2026)						
Conference	₹2000	₹2500	₹3500	₹5000	₹1000	\$100
Workshop + Conference	₹3000	₹3500	₹4500	₹6000	NA	\$130
Normal Registration (1 April to 10 May 2026)						
Conference	₹2500	₹3000	₹4000	₹6000	₹1000	\$130
Workshop + Conference	₹3500	₹4000	₹5000	₹7000	NA	\$160
Late-Bird Registration (11 May to 24 May 2026)						
Conference	₹3000	₹3500	₹4500	₹7000	₹2000	\$160
Workshop + Conference	₹4000	₹4500	₹5500	₹8000	NA	\$190
On Spot registration (25 May to 27 May 2026)						
Conference	₹3500	₹4000	₹5000	₹8000	₹2500	\$200
Workshop + Conference	₹4500	₹5000	₹6000	₹9000	NA	\$250

Accommodation Fee Details

Accommodation Categories	Pay/Day (Individuals Non-Sharing)	Pay/Day (Individuals Sharing)
University Hostel	₹1000	₹700
Nearby Hotels	₹2000 - ₹3000	₹1000 - ₹1800

NOTES

Conference registration fee is non-refundable and non-transferable. Registration fee will cover only hospitality and kit; it does not include accommodation charges. For further queries and assistance, please contact to organizing committee members.

Accommodation: Accommodation for all participants will be arranged at the university campus and Waknaghat near the conference venue on prior request and a pre-payment basis, or participants can arrange their own accommodation. For further queries and assistance, please contact to organizing committee members. Accommodation fee of University Hostel includes Dinner and Breakfast in Annapurna Mess.

IMPORTANT DATES

Submission of abstracts opens	Jan 15, 2026
Abstracts submission closes	Apr 30, 2026
Acceptance of abstracts	May 10, 2026
Early bird registration	15 January 2026 to 30 March 2026
Normal registration	1 April 2026 to 10 May, 2026
Late Registration	11 May to 24 May, 2026
Registration on the spot	25 May to 27 May 2026

VISIT US

- **Department Page:** <https://www.juit.ac.in/biotechnology-bioinformatics>
- **University Page:** <https://www.juit.ac.in/>
- **Conference Page:** <https://www.juit.ac.in/icbab-2026/>



Register Here!



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