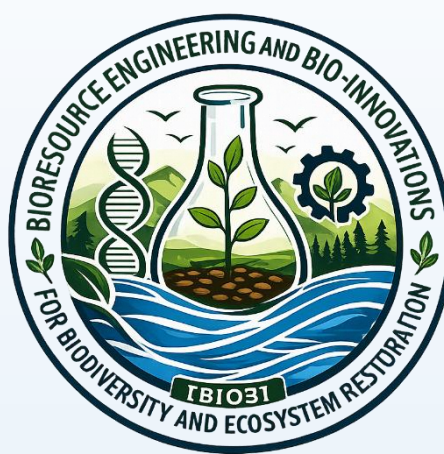




48th Annual Meeting of Plant Tissue Culture Association (India)

National Symposium on
“Bioresource Engineering and Bio-Innovations for
Biodiversity and Ecosystem Restoration” (BIO3)

February 23-25, 2027

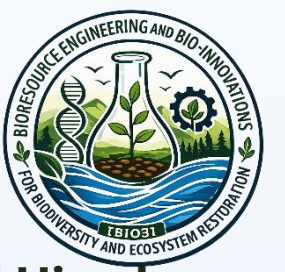
SS Bhatnagar Auditorium, CSIR-Institute of Himalayan Bioresource
Technology, Palampur, Himachal Pradesh (India)

Organized by
CSIR-Institute of Himalayan Bioresource Technology,
Palampur, Himachal Pradesh (India)

In association with
Plant Tissue Culture Association (India)



For more details, please visit: <https://www.ihbt.res.in/ptca.bio3/>
Contact No. : +91-1894-233339; +91-1894-230433
Email: ptcabio3.ihbt@gmail.com



About Symposium

The Plant Tissue Culture Association (India) [PTCA(I)], in association with CSIR–Institute of Himalayan Bioresource Technology (CSIR-IHBT), Palampur, invites scientists, academicians, industry professionals, entrepreneurs, policymakers, students, and innovators to participate in the National Symposium on “Bioresource Engineering and Bio-Innovations for Biodiversity and Ecosystem Restoration (BIO3)”, organized as part of the 48th Annual Meeting of PTCA(I).

The symposium will provide an interdisciplinary platform to discuss recent advances in plant biotechnology, bioresource engineering, translational biosciences, and sustainable biomanufacturing for biodiversity conservation, ecosystem restoration, climate resilience, and bioeconomy development. Particular emphasis will be placed on plant tissue culture, genomics, synthetic biology, metabolomics, precision breeding, systems biology, and AI-assisted biology in addressing global challenges related to food security, biodiversity loss, environmental degradation, and climate change. Special focus will also be given to Himalayan bioresources and fragile mountain ecosystems, highlighting conservation, sustainable utilization, medicinal and aromatic plants, ecological restoration, and community-linked bioeconomy initiatives.

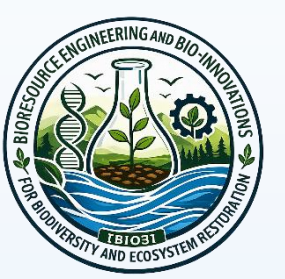
SYMPOSIUM OBJECTIVES

The symposium aims to:

- **Deliberate on recent advances in plant biotechnology and bioresource engineering;**
- **Explore biotechnology-driven strategies for biodiversity conservation and ecosystem restoration;**
- **Promote sustainable biomanufacturing and circular bioeconomy approaches;**
- **Discuss emerging technologies including genome editing, synthetic biology, systems biology, AI-assisted biology, and precision breeding;**
- **Strengthen academia–industry collaborations and translational research;**
- **Encourage innovation, entrepreneurship, and technology commercialization;**
- **Provide mentoring and networking opportunities for students and young researchers.**

EVENT HIGHLIGHTS

- ❖ **Plenary, keynote, and invited lectures by eminent scientists and experts**
- ❖ **Technical sessions, oral and poster presentations**
- ❖ **PTCA(I) award lectures and young scientist awards**
- ❖ **Industry–academia innovation showcase and startup sessions**
- ❖ **Panel discussions on translational research, IPR, policy, and regulatory science**
- ❖ **Mentorship and networking opportunities for students and early-career researchers**



MAJOR THEMATIC AREAS

- ❖ Plant Tissue Culture and Advanced Clonal Propagation
- ❖ Biotechnology for Biodiversity Conservation and Ecosystem Restoration
- ❖ Bioresource Engineering and Sustainable Bioeconomy
- ❖ Synthetic Biology, Genome Editing, and Precision Breeding
- ❖ Omics Technologies, Systems Biology, and AI Applications
- ❖ Climate Resilience and Sustainable Agriculture
- ❖ Metabolomics, Natural Products, and Value-Added Phytochemicals
- ❖ Translational Research, Entrepreneurship, and Regulatory Science
- ❖ Himalayan Bioresources and Mountain Ecosystems

WHO SHOULD PARTICIPATE?

The symposium will benefit:

- ❖ Scientists, academicians, and researchers
- ❖ Students and early-career investigators
- ❖ Biotechnology and pharmaceutical professionals
- ❖ Entrepreneurs and startup founders
- ❖ Policymakers, regulatory experts, NGOs, and funding agencies
- ❖ Stakeholders engaged in biodiversity conservation and sustainable development

RELEVANCE

The symposium aligns with national and global priorities related to biodiversity conservation, ecosystem restoration, sustainable agriculture, climate resilience, bioeconomy development, translational biotechnology, and the Sustainable Development Goals (SDGs).

PTCA(I) and CSIR-IHBT warmly invite the scientific community and stakeholders to participate in this important event and contribute towards biotechnology-driven solutions for sustainable development and ecological restoration in the Himalayan region and beyond.



About Palampur

Palampur, a picturesque hill station in the northern Indian state of Himachal Pradesh, is renowned for its mesmerizing views of the snow-capped Dhauladhar ranges. Surrounded by lush green tea gardens and forests of pine and deodar, Palampur offers several attractive trekking trails for nature enthusiasts. During January and February, the town experiences cold weather, with daytime temperatures ranging between 10°C and 15°C and nighttime temperatures dropping to 2°C–5°C. Warm woollen clothing is recommended for a comfortable stay. Palampur is well connected to Delhi and Chandigarh by road. The nearest main-line railway station is at Pathankot (120 km), from where trains, taxis, and frequent bus services are available to Palampur. Domestic flights are available up to Gaggal Airport (30 km away). The IHBT campus can be conveniently reached from the local railway station (5 km) and bus stand (3 km) by taxi or bus.

CSIR-Institute of Himalayan Bioresource Technology

The CSIR–Institute of Himalayan Bioresource Technology (CSIR-IHBT), operating under the aegis of the Council of Scientific and Industrial Research (CSIR), is located in Palampur, Himachal Pradesh. The vision of CSIR-IHBT is to become a global leader in technologies for boosting the bioeconomy through the sustainable utilization of Himalayan bioresources. CSIR-IHBT focuses on the conservation, genetic enhancement, crop production, protection, postharvest management, and value addition of various commercially important crops. The Division of Fermentation and Phytofarming Technology specializes in conducting fundamental and strategic research in plant tissue culture, bioreactor technology, hydroponics and aeroponics, enzymology, nanotechnology, and endophytes of economically important high-altitude species. The institute serves as a repository of genetic resources, advances the genetic improvement of high-value medicinal and aromatic plants as well as other important crop species, and develops highly efficient protocols aimed at improving livelihoods in the Himalayan region.

Plant Tissue Culture Association (India)

The Plant Tissue Culture Association (India) [PTCA(I)] is a premier professional body comprising distinguished scientists in the field of plant tissue culture, including several pioneers and leading experts who have made significant contributions to the discipline. A key objective of the Association is to provide a dynamic platform for students, researchers, and scientists to present their research, exchange ideas, and deliberate on recent advances in plant sciences. For nearly five decades, PTCA(I) has consistently fulfilled this mandate by organizing annual meetings and symposia that serve as distinguished forums for scientific interaction, collaboration, and the promotion of excellence in plant biotechnology across the nation.



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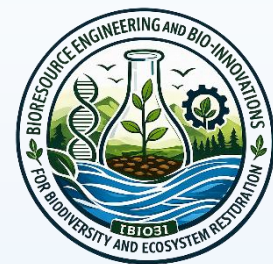
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Registration/Sponsorship



- ❖ Participants are requested to register for symposium on the website: <https://bio3.ihbt.ac.in/registration.php>
- ❖ The Organizing Committee invites submissions of abstracts for oral and poster presentations. For guidelines, please follow the link <https://bio3.ihbt.ac.in/abstracts.html>

Important Dates

Opening of Registration and Abstract Submission	Oct 05, 2026
Last Date for Early bird Registration	Nov 14, 2026
Last Date for Regular Registration	Dec 15, 2026
Last Date for Abstract Submission	Jan 10, 2027

Registration Fee

Fee Category	Early bird Registration	Regular Registration
Students	₹ 3,540	₹ 4,720
Post- Doc Fellows	₹ 4,720	₹ 5,900
Faculty Members	₹ 8,260	₹ 9,440
PTCA(I) Members	₹ 5,900	₹ 7,080
Industries	₹ 14,160	₹ 17,700

***Registration Fee is inclusive of 18% GST**

Payment for Registration/Sponsorship

Mode of payment of Registration Fee
NEFT Transfer
Debit/Credit Card Payment

All the payments shall be directed to the bank account detailed as



Bank Account Detail
Account holder's Name:
Bank Name:
Branch Address
Account Number:
IFSC Code:
MICR Code:

DIRECTOR-IHBT
State Bank of India
HPAU Palampur
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SBIN0003632
176002063

Sponsorship

Companies are invited to advertise in the Symposium's Abstract Book, which will feature messages from distinguished guests and contributions from renowned scientists. Interested parties may contact the Convener at [email] for advertising opportunities and further details.

Sponsor Category	Price (INR)	Privileges
Platinum	₹ 5,90,000	Name/logo at prominent places including dais/website; Presentation – 10 min; Space for installing exhibits; Advertisement in souvenir (full color back cover page), 4-member registration
Diamond	₹ 2,36,000	Name/logo at prominent places including dais/website; Space for installing exhibits; Advertisement in souvenir (full page color), 2-member registration
Gold	₹ 1,18,000	Name/logo on website; Advertisement in souvenir (full page color), 2-member registration

***Above price is inclusive of 18% GST**

Bank Mandate Form for Fund Transfer CSIR-IHBT, Palampur

1	PFMS Unique Code	IHBT
2 (i)	Agency Name (Name of the University/Institute/College, etc.)	DIRECTOR-IHBT
2 (ii)	Agency Type (Statutory Bodies/ Autonomous/NGO/Society etc.)	Autonomous Body
2 (iii)	Hierarchy of Agency Centre I/ State/ District/Block/ Tehsil/Panchayat/Village	Central
2 (iv)	Act/registration No.	ACT XXI of 1860 No. X of 1941-1942
2 (v)	Date of Registration	12 th March, 1942
2 (vi)	Registering Authority	Registrar of Joint Stock Company
2 (vii)	State of Registration	Delhi
3	TIN No. (if available)	
4	TAN No.	PTLI10348C
5	Complete Contact Address of the Agency	
5 (i)	Block No./Building/ Name of premises	CSIR-Institute of Himalayan Bioresource Technology
5 (ii)	Road/ Street/Post Office	Post Box No. 06
5 (iii)	Area/ Locality	Palampur
5 (iv)	City/District	Kangra
5 (v)	State	Himachal Pradesh
5 (vi)	Pin code	176061
6	Contact Person	Sh. Sunil Kumar
6 (i)	Designation	Controller of Finance and Accounts
6 (ii)	Alternate Phone No./ Mobile No.	9739560308
6 (iii)	Office E-mail Address	fao@ihbt.res.in
7	Bank Account Details	
7 (i)	Institute Account Name (As per bank record)	Director CSIR-IHBT, Palampur
7 (ii)	Account No.	30268795419
7 (iii)	IFSC Code	SBIN0003632
7 (iv)	Bank Name (in full)	State Bank Of India
7 (v)	Branch Name	HPAU, Palampur
7 (vi)	Complete Branch Address	SBI, HPAU, Palampur (HP) 176062
7 (vii)	MICR No.	176002063
7 (viii)	Account Type	Saving

Certified that the institute's' account is an RTGS/ECS/NEFT enables branch. I hereby declare that the particulars given above are correct and complete. The above Agency's Account No. And bank details are registered/mapped under PFMS.

Date: - 21st February 2025

(सुनील कुमार)
वित्त एवं लेखा नियंत्रक
सी.एस.आई.एच.टी. - हिमालय जैवसंसाधन प्रौद्योगिकी संस्थान
(जी.एस.आई.एच.टी. - हिमालय जैवसंसाधन प्रौद्योगिकी संस्थान)
आधिकारिक अधिकारी का पद
पालमपुर - 176061 (हि.प्र.)

Certified that the particulars furnished above are correct as per our record

Date: 21/02/2025

Signature of the Authorized
Bank officer with seal

