



5th BIOTECHNOLOGY CONCLAVE

International Conference on

Harnessing Biotechnology for a Sustainable Bio-E³ Future

**International
Conference**

**EDP &
Innovative
Startup Idea
Pitching**

**Farmers
Scientists
Meet**

**Exhibition
of
Stalls**

19th to 21th Nov, 2025

Organized by:

Uttarakhand Council for Biotechnology (UCB)

in association with



mi^{et}
KUMAON

**Graphic Era Hill University, Dehradun
MIET Kumaon, Haldwani**

Venue: Regional Center UCB, Patwadangar, Nainital

About Regional Center Patwadangar

Regional Center, Patwadangar is situated 9 km before Nainital on Kathgodam-Nainital Highway (15 km from Jolikot and 3 km of Baldiakhn) Patwadangar is Regional Center of UCB, Haldi, Pantnagar, located in between the dense mix forest . Average temperature during November will be 19-20 degree. Surrounded by the natural beauty of the Kumaon Himalayas, the Patwadangar centre provides a conducive environment for innovation, combining modern laboratories with a heritage of excellence.



ABOUT THE CONCLAVE

The conclave on “Harnessing Bio-E³: Biotechnology for Environment, Employment & Economy” aims to bring together scientists, industry leaders, policymakers, entrepreneurs, and students on a common platform to explore the transformative role of biotechnology in addressing some of the most pressing global challenges. The focus of the conclave is on the three pillars of sustainability – Environment, Employment, and Economy (E³) and how biotechnology can serve as a catalyst for innovation, resilience, and sustainable development. Discussions will revolve around:

Environment: Biotechnological solutions for climate change mitigation, waste management, water conservation, biodiversity protection, and green agriculture.

Employment: Advances in biotechnology-driven skill development, entrepreneurship, job creation, and workforce empowerment in sectors such as agriculture, health, and bio-based industries

Economy: Bio-based innovations that promote start-ups, local value-added products, circular economy models, and new opportunities for economic growth.

The conclave will feature keynote lectures, panel discussions, case studies, and interactive sessions designed to encourage knowledge sharing, collaborations, and policy dialogues. It will also provide a platform for showcasing research breakthroughs, industry applications, and entrepreneurial ventures in the field of biotechnology. The aim of EDP is to empower the youth towards entrepreneurship through biotechnology, while the aim of Farmers-Scientists Meet and Exhibitions and Stalls is to provide a vibrant platform for innovation and collaboration in the field of biotechnology and to showcase the advanced inventions and innovations. The stall and exhibition aim to showcase the organization's achievements, innovations, and initiatives, while creating awareness among visitors. It also serves as a platform for knowledge sharing, community engagement, and fostering collaborations with stakeholders. The aim of the Farmer–Scientist Meet is to create a direct platform for interaction between farmers and scientists, enabling exchange of knowledge, innovative practices, and solutions to agricultural challenges. It seeks to promote sustainable farming, enhance productivity, and strengthen farmer–scientist collaboration. The conclave will prioritize inspiring and nurturing the growth of young minds by imparting academic and entrepreneurial principles in crucial domains of biotechnology, including Plant Biotechnology, Agriculture Biotechnology, Fisheries Science, Veterinary Sciences, Animal Health and allied subjects.

International Conference on Sustainable Bio-E³ Future: From Lab to Life

The International Conference on Sustainable Bio-E³ Future: From Lab to Life aims to highlight the transformative role of biotechnology in shaping a sustainable tomorrow. Focusing on the three pillars—Environment, Employment, and Economy (Bio-E³) the conference brings together scientists, innovators, industry leaders, policy makers, and academicians to share cutting-edge research, emerging technologies, and practical solutions. It serves as a global platform to bridge laboratory breakthroughs with real-world applications, fostering collaborations for a resilient and sustainable future.

THEMES (Provision of Awards in all themes)

1. Intervention of Biotechnology in Sustainable Bio-E³ Future:

- Genomics, proteomics, and metabolomics in sustainable development
- Nanobiotechnology for environment, energy, and health
- AI, IoT, and biotechnology integration for sustainability
- Policy, ethics, and regulatory frameworks for sustainable biotech

2. Advances in Bioenergy, Biofuels and Renewable Resources

- Advanced biofuels: biodiesel, bioethanol, biobutanol
- Innovations in biomass conversion technologies
- Renewable resource management for sustainable development

3. Intervention of Biotechnology for Sustainable Economic Growth

- Agri-Biotech for Productivity
- Industrial & Environmental Biotech
- Health & Pharma Innovations

4. Innovations and Advances in Biotechnology Interventions: Bridging Research and Application

- Agriculture, Animal Nutrition, Breeding, Health Management, One Health, Human Health, Veterinary Sciences, Crop Management, Animal Management, Fishery Sciences, Environmental Issues, Plant Tissue Culture, Cloning and Reproduction, Biodiversity and Bioinformatics

Organizing Secretaries

1. Dr. Kanchan Karki, Scientist, UCB
2. Dr. Manindra Mohan, Scientist, UCB (Contact no.: +91-9627407711)
3. Dr. Sumit Purohit, Scientist, UCB (Contact no.: +91-9758877999)
4. Dr. Tarun Kumar Saxena, Executive Director, MIET, Haldwani
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(Contact no.: +91-9411574575)

Co-Organizing Secretaries

1. Mr. Anuj Kumar, (T.O, UCB)
(Contact no.: +91-8954430337)
2. Mr. Keshav Singh, (S.A, UCB)
(Contact no.: +91-8859543359)

CALL OF ABSTRACT

Abstract of research papers with the title name (s) of author (s), address of Institution and research findings not exceeding 300-400 words, spacing 1.5, Times New Roman, Font Size 12 should be submitted before 07 Nov 2025 by biotechconclaveucb@gmail.com. Selected abstracts will be invited for oral/ poster/ e-poster presentation. For oral presentation make a 10 minutes presentation of your research work, which will be followed by a brief discussion of 5 minutes. Your presentation should cover Objectives, Materials and Methods, Results & discussion, Conclusions, Acknowledgement and References.

Entrepreneurship Development Program (EDP)

The 5th Biotechnology Conclave, the EDP and Startup Pitching aim to nurture entrepreneurial skills and innovative thinking in biotechnology. The program provides aspiring entrepreneurs, researchers, and students with mentorship, industry insights, and practical guidance on funding and startup challenges. Through interactive sessions and workshops, participants gain exposure to real-world entrepreneurial journeys while exploring opportunities to build sustainable biotech enterprises. By connecting academia, industry, and the startup ecosystem, this initiative accelerates innovation and contributes to the vision of a Sustainable Bio-E³ Future.

Participants may also submit abstracts under the EDP track on themes such as innovation, startup ecosystems, and sustainable enterprises. Accepted abstracts will be presented as posters, and participants will receive certificates for best presentations.

At the 5th Biotechnology Conclave, EDP will feature four key sessions—Design Thinking, Business Model Development, Startup Funding & Investment, and Marketing & Growth Strategies—to equip participants with the skills to turn ideas into successful ventures.

Startup Idea Pitching

The Startup Idea Pitching session aims to foster innovation and encourage entrepreneurial spirit. The pitching event offers aspiring entrepreneurs, researchers, and students a valuable opportunity to showcase their ideas, gain exposure, mentorship, and potential funding.

Pitching Event Rules and Guidelines

- 1. Eligibility:** Open to individuals or teams (max. 3 members) with a startup idea, based in Uttarakhand, and part of any academic or research institute or recognized incubation center.
- 2. Pitching Format:** Teams will have 10 minutes to present their idea, followed by a 5-minute Q&A session with judges.
- 3. Presentation Requirements:**
 - Problem statement and solution
 - Market analysis and target audience
 - Technology/scientific innovation
 - Revenue model and commercialization strategy
 - Timeline and key milestones
 - Team's background and expertise
- 4. Funding and Prizes:**
 - Rs. 50,000 grant for top three startups
 - Mentorship from entrepreneurs and industry leaders
 - Exposure to investors, partners, and collaborators
 - Opportunities for future event showcases of UCB
- 5. Application Process:** All EDP participants and Idea Pitching applicants must complete the registration via the Google Form link and make the payment as instructed in registration section.
- 6. Terms:** The startup idea must not have received funding from other agencies for the same project. Teams must comply with Uttarakhand Council of Biotechnology regulations. Organizers may disqualify teams for violations.

Organizing Secretaries

1. Dr. Manindra Mohan, Scientist, UCB, (Contact no.: +91-9627407711)
2. Dr. Sumit Purohit, Scientist, UCB (Contact no.: +91-9758877999)
3. Dr. Kanchan Karki, Scientist, UCB
4. Dr. Kamal Singh Rawat, CEO, ACIC, DBF (Contact no.: +91-9639858711)

Co-Organizing Secretaries

1. Mr. Anuj Kumar, (S.A, UCB)
(Contact no.: +91-6397741010)
2. Mr. Lalit Kumar, (L.A, UCB)
(Contact no.: +91-9458089865)

PROGRAM 3: FARMERS - SCIENTISTS MEET

The primary objective of this program is to foster a mutual exchange of scientific knowledge, innovative practices, and experiential insights between farmers and scientists, with a focus on strengthening the livelihood of hilly farmers through sustainable solutions. Scientists share evidence-based recommendations and cutting-edge biotechnological interventions that address challenges in agriculture, animal husbandry, horticulture, fisheries, apiculture, dairy, poultry, floriculture, mushroom farming, and allied sectors. By integrating traditional wisdom with modern biotechnology, the program promotes eco-friendly practices, resource efficiency, and economic resilience. This initiative reflects the vision of a Sustainable Bio-E³ Future, where science and practice converge to build a greener, self-reliant rural economy.

Organizing Secretaries

1. Dr. Arvind Singh Negi (Head, SoAg., GEHU, Dehradun) (+91-9119048199)
2. Mr. Jeetendra Singh Bohra (T.O, UCB) (+91-9456527379)
3. Mr. Anuj Kumar (S.A, UCB) (+91-6397741010)

PROGRAM 4: EXHIBITION OF STALLS

The exhibition at the 5th Biotechnology Conclave will feature participation from agencies, societies, NGOs, SHGs, government institutes, and universities, showcasing their R&D outcomes and innovations on a common platform. It offers opportunities for brand visibility, direct customer interaction, networking, and knowledge exchange. Aligned with the vision of a Sustainable Bio-E³ Future, the exhibition serves as a hub for interdisciplinary collaboration, fostering cross-sector partnerships and innovative ideas. By bringing together policymakers, academicians, industry leaders, and practitioners, it creates a dynamic ecosystem where research meets application, driving sustainable growth in biotechnology for environment, energy, and economy.

Organizing Secretaries

1. Dr. Sumit Purohit, Scientist, UCB (+91-9758877999)
2. Mr. Keshav Singh (S.A, UCB) (+91-8859543359)
3. Mr. Chandarashekhar (D.E.O, UCB) (+91-9756929905)

GUIDELINES FOR ORAL/POSTER PRESENTATION

For oral presentation, all presentations should be made using Microsoft Office Power Point. The aspect ratio of the slides should be maintained at 16:9 (wide screen). Abstracts accepted for poster presentation will be displayed in the respective session. Authors will need to present during their relevant poster viewing session of a specified theme. Poster size should be of 40 inch x 40 inch.

BEST ORAL/POSTER PRESENTATION AWARD GUIDELINE

In each discipline, two best oral papers and two best posters will be selected by a panel of experts. The awardees will be felicitated with the Best Oral/ Poster Presentation Award. Participants are required to submit their abstracts strictly in the prescribed format.

REGISTRATION DETAILS

Scientists, Researchers, Teachers, Research Scholars of the Universities/ Colleges and Research Institutes are eligible to participate. Progressive entrepreneurs and other stakeholders are also welcome.

Conclave Registration Link:
<https://forms.gle/Ww99VtBQwAPeHPQU7>

Scan Here
to
Register in Conclave



Note:

- An incomplete registration form without a fee will be rejected.
- The registration fee may be paid through (NEFT/QR scan) to the attached bank details.
- Registration fee is non-refundable.
- No TA/DA will be provided for attending the Conclave.

Accounts Details

Account Name	Organizing Secretary, Biotech Conclave
Account Number	41720361939
IFSC Code	SBIN0001251
Bank Name	State Bank of India
Branch	Haldi, Pantnagar, U. S. Nagar, Uttrakhand



Scan & Pay

Particulars	Registration Fee (Rs.)	On Spot Registration Fee (Rs.)
Students, Research Scholars, Startups Idea Pitching Applicants	500.00	600.00
Research Scholars with Fellowship	1000.00	1200.00
Faculty Members	4000.00	4500.00

ACCOMMODATION

Guest House accommodation will be provided on a request and payment basis, subject to availability and reserved on a first-come-first-served basis. Participants are kindly requested to confirm their participation and travel itinerary via email at jeetbohra32@gmail.com. For further assistance, please contact- Mr. Jeetendra Singh Bohra (Mob: 9456527379 / 6397191996).

ADVISORY COMMITTEE

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Dr. M.S. Chauhan
Vice Chancellor, GBPUA&T, Pantnagar



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Director, UCB

PATRON



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15. Dr. Ajit Kumar, Director, Works and Plants, GBPUA&T, Pantnagar
16. Dr. M.K. Nautiyal, Dean, School of Agriculture, GEHU, Dehradun
17. Dr. Bahadur Singh Bisht, Managing Director, MIET Kumaon, Haldwani
18. Dr. NSR Sastry, Patron, Indian Society of Animal Production and Management (ISAPM), Andhra Pradesh

INTERNATIONAL ORGANIZING COMMITTEE

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Dr. Lutik Ekaterina (F)
Pro-Rector, Saint Petersburg State University of Veterinary and Animal
Sciences, Russia

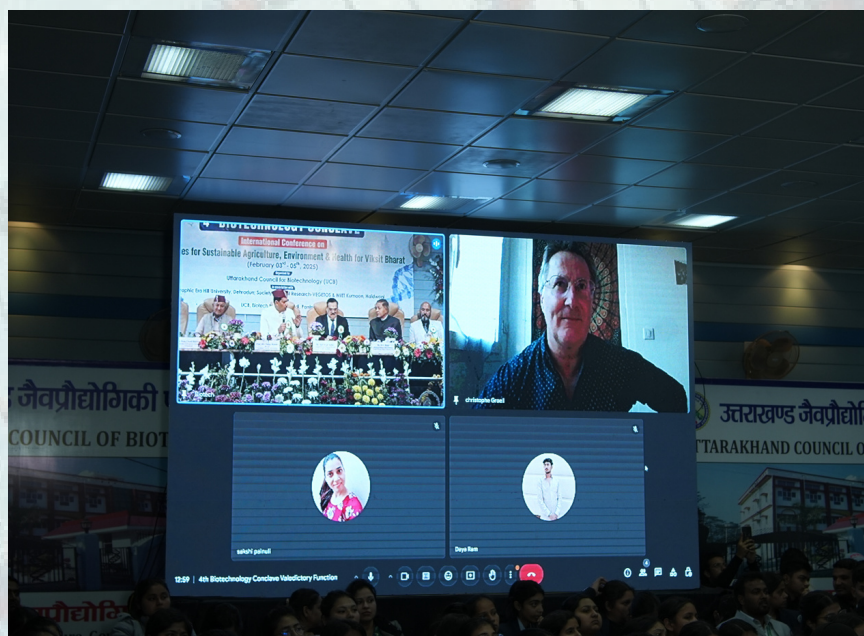
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Dr. Adena Somisha
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Bucharest, Romania

Dr. Mahaveer Singh
Kentucky Physiological Society (KPS) &
Faculty School of Medicine,



Scientific Highlights of 4th Biotechnology Conclave & International Conference



For Further Query

Contact:

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