



Anusandhar
National
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Foundation



INTERNATIONAL CONFERENCE ON INTEGRATED BIOLOGICAL RESEARCH

4th to 6th February, 2026



Chief Patron:
Prof. Y. S. Thakur,
Hon'ble Vice Chancellor, DHSGVV, Sagar

ICIBR -2026 REPORT



Patron:
Prof. Versha Sharma,
Dean, School of Biological Sciences,
DHSGVV, Sagar



Chairman & Convenor:
Prof. Shweta Yadav,
HOD, Zoology & Biotech, DHSGVV,
Sagar



Organized by
Department of Zoology,
In Association with DoRD & IQAC,
Dr. Harisingh Gour Vishwavidyalaya
(A Central University)
Sagar, M.P., India



www.icibr2026.in

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Foreword

The International Conference on Integrated Biological Research (ICIBR-2026) represents a significant academic endeavour aimed at strengthening interdisciplinary approaches within the biological sciences. In the present era, biological challenges such as climate change, biodiversity loss, emerging diseases, food security and environmental pollution demand integrative thinking that transcends traditional disciplinary boundaries.



ICIBR-2026 was envisioned as a response to this global need. The conference brought together eminent scientists, early-career researchers, academicians, clinicians and students from diverse fields including ecology, evolutionary biology, environmental sciences, human health, neuroscience, endocrinology, taxonomy, molecular biology, biotechnology and bioinformatics. Over three days of intensive deliberations, participants engaged in scholarly discussions, knowledge exchange and collaborative brainstorming.

The Funding Agencies

The Organizing Committee of ICIBR 2026 expresses its sincere gratitude for the successful conduct of the conference, made possible through the generous financial support from the following funding agencies:

1. **Anusandhan National Research Foundation (ANRF)**
2. **Council of Scientific and Industrial Research (CSIR),**
3. **Defense Research and Development Organisation (DRDO)**
4. **National Academy of Sciences, India (NASI), Bhopal Local Chapter**

We also extend our heartfelt appreciation to the University's **Research and Development Cell** for its valuable financial assistance, which added strength to the successful execution of ICIBR 2026.



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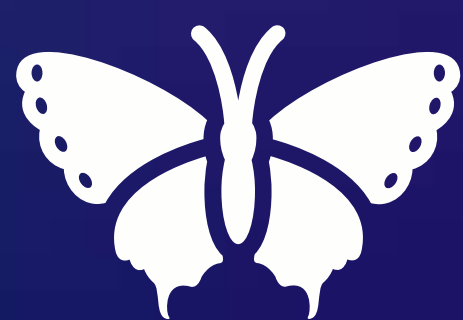


Background and Rationale of ICIBR-2026

Biological research today demands integration across scales—from molecules to ecosystems. ICIBR-2026 was planned to address this need by providing a common platform for diverse biological disciplines.

Objectives of the Conference

1. To provide a global platform for scientific knowledge exchange and interdisciplinary research collaboration in biological sciences.
2. To address pressing ecological and societal challenges through integrative biological research.
3. To align with India's national vision, by promoting sustainable practices, innovative solutions, and future-ready scientific advancements.
4. To encourage interaction among academicians, researchers, industry professionals, and policymakers.



Conference Themes

1. Taxonomy & Systematics

2. Biodiversity, Management & Conservation

3. Aquatic Science, Fish & Fisheries

4. Cell & Molecular Biology

5. Insect Science & Pest Management

6. Women in Science

7. Environmental Science, Microbiology & Stress Biology

8. Ecology, Ecotoxicology & Evolutionary Biology

9. Human Health and Welfare

10. Neuroscience & Endocrinology

11. Bioinformatics, Nanotechnology & Startups in Life Science

The ICIBR 2026 Conference focused on emerging trends in biological research, including biodiversity conservation, climate change, sustainable ecosystems, and biotechnology. It also emphasized interdisciplinary collaboration and the use of modern tools to address global environmental challenges.

Organizing committee

Chief Patron:

Prof. Y. S. Thakur,
Hon'ble Vice Chancellor, DHSGVV, Sagar

Patron:

Prof. Versha Sharma,
Dean, School of Biological Sciences, DHSGVV, Sagar

Chairman & Convenor:

Prof. Shweta Yadav,
Head, Department of Zoology & Biotechnology, DHSGVV, Sagar

Co-Convenor:

Dr. Shashwat Singh, DHSGVV, Sagar.

Organizing Secretaries:

Dr. Smita Shukla, DHSGVV, Sagar.
Dr. Sandeep Kumar, DHSGVV, Sagar.

Co-Organizing Secretaries:

Dr. Priyoneel Basu, DHSGVV, Sagar.
Dr. Somenath Ghosh, DHSGVV, Sagar.

Treasurers:

Dr. Kashmeera N.A., DHSGVV, Sagar.
Dr. Brajesh Kumar Maurya, DHSGVV, Sagar.

Members:

Dr. Malavika Sikdar, DHSGVV, Sagar.
Dr. Payal Mahobiya, DHSGVV, Sagar.
Dr. Deepali Jat, DHSGVV, Sagar.
Dr. Raj Kumar Koiri, DHSGVV, Sagar.

Advisory committee

Prof. Samuel W. James, USA
Prof. Ally Harari, Israel
Prof. K. Tomioka, Japan
Prof. Russel J. Reiter, USA
Prof. Appa Rao, Hyderabad
Prof. S. P. Singh, Ahmedabad
Prof. B. D. Joshi, Haridwar
Prof. Mewa Singh, Mysuru
Prof. Omkar, Lucknow
Prof. Amitabh Joshi, Bangalore
Prof. Geetanjali Mishra, Lucknow
Prof. Chandna Halder, Varanasi
Prof. Debi Prasad Sarkar, Mohali
Prof. Madhoolika Agrawal, Varanasi
Prof. U.C. Rai, Jammu & Kashmir
Prof. U.K. Sarkar, Lucknow
Prof. K.K. Sharma, Jammu
Dr. Roy Kaspi, Israel
Dr. Gur Pines, Israel
Dr. Anjum Rizvi, Kolkata
Dr. Sunil Kumar Rai, USA
Prof. Subeer S. Majumdar, New Delhi
Prof. Neelu Jain Gupta, Meerut
Prof. Rajendra Singh, Gorakhpur
Prof. Ojit M. Singh, Delhi
Prof. K. P. Singh, Prayagraj
Prof. S. K. Trigun, Varanasi
Prof. Prakash Nautiyal, Uttarakhand
Prof. M. Singaravel, Varanasi
Prof. V. B. Upadhyaya, Gorakhpur
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Prof. M. K. Thakur, Varanasi

Prof. Seema Rai, Bilaspur
Prof. Himender Bharti, Patiala
Prof. Subhash Rajpurohit, Ahmedabad
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Prof. Sudhikumar A.V., Kerala
Prof. Roop Lal, New Delhi
Prof. Siddharath Mishra, Lucknow
Prof. Rashmi Srivastava, Prayagraj
Prof. Dheer Singh, Karnal
Prof. N. K. Lohiya, Rajasthan
Prof. A.K. Pati, Bhubneshwer
Prof. Shivesh Pratap Singh, Satna
Prof. Subodh K. Jain, Sagar
Prof. M.L. Khan, Sagar
Prof. Diwakar Singh Rajput, Sagar
Prof. Anil Jain, Sagar
Prof. Ajeet Jaiswal, Sagar
Prof. Vinod Kumar Bhardwaj, Sagar
Prof. Devashish Bose, Sagar
Prof. Naveen Kango, Sagar
Prof. Shree Bhagwat, Sagar Prof. Vijay Verma, Sagar
Prof. Asmita Gajbhiye, Sagar
Prof. Chanda Bain, Sagar
Prof. Himanshu Pandey, Sagar
Prof. R. K. Gangele, Sagar
Prof. Vandana Soni, Sagar
Prof. K. B. Joshi, Sagar
Prof. Deepak Vyas, Sagar
Dr. Sunil Kumar Rai, USA
Dr. C.P. Upadhaya, Sagar

Inaugural Ceremony

The inaugural ceremony of ICIBR–2026 was held on 4 February 2026 at Abhimanch Sabhagar, DHSGVV. The program commenced with the traditional lighting of the lamp, symbolizing knowledge and wisdom, followed by the garlanding of Maa Saraswati as a mark of reverence. The ceremony began on an auspicious note with the melodious rendition of Saraswati Vandana by the students of the department, creating an atmosphere of devotion and inspiration.



The gracious presence of the Hon'ble Vice-Chancellor added great significance to the occasion, reaffirming the university's commitment to academic excellence and knowledge dissemination. The inaugural session of the International Conference on Integrated Biological Research formally commenced with a warm and gracious welcome address delivered by Prof. Shweta Yadav, Head Dept of Zoology. She cordially welcomed the Hon'ble Vice-Chancellor, distinguished dignitaries on and off the dais, invited speakers, national and international delegates, faculty members, researchers, and students. In her address, she expressed her delight at witnessing the enthusiastic participation of eminent biologists and researchers from across the country and abroad, emphasizing that the gathering reflected the true spirit of interdisciplinary biological research. She respectfully acknowledged the presence of the Hon'ble Vice-Chancellor, Prof. Yashwant Singh Thakur, and expressed sincere gratitude for his constant support, and encouragement in promoting academic excellence and scientific growth within the university.

Inaugural Ceremony

She also highlighted that the dais was adorned by eminent scholars representing diverse domains of life sciences, ranging from microorganisms to primates, and from basic biology to translational and interdisciplinary research.

Prof. Shweta Yadav extended a special and respectful welcome to Prof. Sant Prakash Gautam, President of Vigyan Bharati (Maha Kaushal Prant), former Chairman of the Central Pollution Control Board, Government of India, and former Vice-Chancellor of Rani Durgavati Vishwavidyalaya, Jabalpur, acknowledging his remarkable contributions to science and his tireless efforts in promoting the Indian Knowledge System. She further welcomed Prof. Uttam Kumar Sarkar, former Director of the National Bureau of Fish Genetic Resources and Fellow of NAAS, and Prof. Appa Rao Podile, former Vice-Chancellor of the University of Hyderabad and J.C. Bose Fellow, recognizing his pioneering work in molecular plant–microbe interactions and visionary academic leadership.



While referring to the national vision of Viksit Bharat 2047, she emphasized the importance of skill development in scientific progress and warmly welcomed Prof. Sanjay Pratap Singh, Vice-Chancellor and Director General of Kaushalya – The Skill University, Ahmedabad, whose contributions to skill education have received national recognition. She also expressed deep honour in welcoming the globally renowned primatologist, Prof. Mewa Singh, Prime Minister Professorship Awardee and Distinguished Lifetime Professor at the University of Mysore, and acknowledged his lifelong dedication to ecology and behavioural sciences.

She further welcomed the esteemed guests off the dais, including Dr. Anjum Rizvi, Coordinator of the MoU with the Zoological Survey of India and Managing Editor of the prestigious journal Records of the Zoological Survey of India; Dr. Jasmine Purushothaman, Senior Scientist and Protozoologist from the Zoological Survey of India, Kolkata.

Inaugural Ceremony

Highlighting the global outreach of the conference, Prof. Yadav warmly welcomed the international participants, namely Dr. Roy Kaspi (Volcani Institute, Israel), Dr. Animesha Rath (Hebrew University of Jerusalem), Dr. Altaf Shaik (National Institutes of Health, USA), Dr. Preeti Sharma (Tel Aviv University, Israel), and Dr. Shivangi Misra (University of Calgary, Canada), and stated that their presence significantly enriched the academic and research perspectives of the conference. She also extended a warm welcome to Prof. Chandana Haldar, renowned melatonin biologist and former Director of the Institute of Science, Banaras Hindu University, and acknowledged her immense contribution in mentoring zoologists across the country. The academic lineage of the eminent entomologist Prof. Omkar was represented by Prof. Geetanjali Mishra and Dr. Tripti Yadav from Lucknow University, along with Dr. Bhupendra Kumar from Banaras Hindu University, whose presence was duly recognized. Prof. Shweta Yadav acknowledged the support of distinguished academicians and scientists including Dr. Niraj Kumar, former Executive Secretary of the National Academy of Sciences, India, and Prof. Shivesh Pratap Singh, Secretary of NASI, Chitrakoot Chapter, for their valuable cooperation in organizing the conference. She also welcomed eminent scholars from various parts of the country such as Prof. Ragini Gothwal (Barkatullah University, Bhopal), Dr. Iqbal Khan (Bundelkhand University, Jhansi), Prof. Ishan Patro (former Vice-Chancellor of Ravenshaw University), Dr. Nisha Patro, Dr. K. K. Soni, Dr. Archana Anokhe (ICAR–Directorate of Weed Research, Jabalpur), and Dr. Madhav Prabhu (Jawaharlal Nehru Medical College, Karnataka). She further acknowledged the esteemed presence of Dr. Deo Prakash Chaturvedi from the Department of Biotechnology, Government of India, along with distinguished academicians from premier institutions across the country, including the University of Delhi, University of Lucknow, IISER Mohali, Panjab University, and Ahmedabad University. She also recognized the participation of representatives from institutions such as the University of Jammu, Central University of Jammu, Central University of Himachal Pradesh, Hemvati Nandan Bahuguna Garhwal (A Central University) Uttarakhand, Wildlife Institute of India, Sridev Suman Uttarakhand University, Central University of Bihar, and University of Jharkhand, among others from the states of Odisha, Uttar Pradesh, Punjab, Gujarat, Jharkhand, and Chhattisgarh reflecting the wide academic representation of the conference.

Inaugural Ceremony

In her address, she also appreciated the dedicated efforts of the organizing team, including the Co-Convener Dr. Shashwat Singh; Secretaries Dr. Smita Shukla and Dr. Sandeep Kumar; Co-Organising Secretaries Dr. Somenath Ghosh and Dr. Priyoneel Basu; Treasurer Dr. Kashmeera N. A. and Dr. Brijesh Kumar Maurya, along with the invaluable guidance of senior faculty members such as Prof. Subodh Kumar Jain, Dr. Malvika Sikdar, Dr. Payal Mahobiya, Dr. Depali Jat, and Dr. Raj Kumar Koiri.

She concluded her welcome address by expressing heartfelt appreciation to all delegates and conveyed her hope that the conference would provide enriching academic interactions, meaningful collaborations, and memorable experiences for all participants in a serene and academically vibrant campus environment. The dignitaries were welcomed with saplings as a symbol of sustainability and environmental responsibility, reflecting the core spirit of the conference.

Dr. Shashwat Singh, Co-Convener, presented an overview of the theme and scientific scope of the conference. Prof. Versha Sharma, Dean, School of Biological Sciences, conveyed her best wishes through a message shared during the session. Dr. Sandeep Kumar, Organizing Secretary, formally introduced the distinguished guests to the audience.



Inaugural Ceremony

The Guests of Honour Dr. S.P. Gautam, Prof. U.K. Sarkar, Prof. Appa Rao Podile, and Prof. S.P. Singh shared valuable insights on environmental governance, aquatic biodiversity, higher education reforms, and skill-based learning, respectively.

The Chief Guest, Prof. Mewa Singh, Life-Long Distinguished Professor, University of Mysore and a renowned Indian primatologist, ethologist, and conservation biologist, who was awarded the Prime Minister Professorship by the Anusandhan National Research Foundation (ANRF), Government of India in 2026, delivered an inspiring address. He emphasized ethical research practices, long-term ecological thinking, and the importance of integrative biology in addressing contemporary environmental challenges. The abstract book of ICIBR–2026 was formally released by the dignitaries on the dais.



The Hon'ble Vice-Chancellor, Prof. Y.S. Thakur, in his presidential address, extended his blessings and highlighted the university's commitment to fostering research excellence and interdisciplinary initiatives.

The dignitaries were felicitated with Sree phal, shawl, and mementos as a token of respect and gratitude. The ceremony concluded with a vote of thanks proposed by Dr. Smita Shukla, Organizing Secretary. The inaugural session was anchored by Dr. Somenath Ghosh, Co-Organizing Secretary. The event ended with an awareness skit on PCOD performed by the students, delivering an important social message and marking a meaningful conclusion to the ceremony.

Glimpses from the Inaugural Ceremony of the ICIBR 2026



Dignitaries seated on the dais during the inaugural session.



Students chanting the Saraswati Vandana.



Audience attending the inaugural session of the Programme.



The Vice-Chancellor lighting the Ceremonial lamp to inaugurate the Programme.



Prof. Appa Rao Podile lighting the ceremonial lamp



Felicitation of Dr. U. K. Sarkar by former HOD, Prof. Subodh Kumar Jain

Glimpses from the Inaugural Ceremony of the ICIBR 2026



Dr. Somenath Ghosh anchoring the inaugural session



Prof. Shweta Yadav, Head of the Department, felicitating the Vice-Chancellor, Y. S. Thakur



Prof. Mewa Singh delivering his address



Prof. S. P. Gautam, President of Vigyan Bharati, Mahakaushal Prant, delivering his address



Vice-Chancellor Prof. Y. S. Thakur felicitating Prof. Appa Rao Podile, former Vice-Chancellor of the University of Hyderabad



Students presenting a skit on social awareness related to PCOD

Plenary Sessions

The conference featured six plenary lectures delivered by internationally and nationally renowned scientists. These lectures set the intellectual tone of ICIBR-2026 and addressed broad themes such as integrative biology, biodiversity conservation, human health, neuroscience and environmental sustainability. Each plenary session was followed by interactive discussions, allowing participants to engage directly with speakers.

Plenary Session I

Day 1 – 04.02.2026

Venue: Abhimanch Sabhagar

Chair: Prof. Subodh Kumar Jain, Former Head, Department of Zoology, DHSGVV

Rapporteur: Dr. Priyoneel Basu, Assistant Professor, DHSGVV



The first day's plenary session commenced with an address by **Prof. S. P. Singh, Vice-Chancellor, Kaushalya – The Skill University, Ahmedabad**, who spoke on advancing multidisciplinary biological research for sustainable development, emphasizing integration of skill-based education, innovation, and ecological responsibility to address contemporary environmental challenges.



The second plenary lecture was delivered by **Prof. Mewa Singh, Life-Long Distinguished Professor, University of Mysore**, on “Behaviour and Conservation Management of Wildlife in Altered Habitats: Lessons from Studies on Indian Primates.” He highlighted how certain primate species adapt to human-dominated landscapes, demonstrating novel foraging skills in response to urban environments, with examples from long-term studies on Nicobar long-tailed macaques and bonnet macaques. Prof. Singh explained that while urban settings foster behavioral flexibility, they also expose primates to unstable and high-risk conditions that threaten their survival. He concluded by outlining differentiated conservation management strategies based on extensive research on lion-tailed macaques, bonnet macaques, and slender loris, stressing that species-specific ecological requirements must guide effective wildlife conservation



Plenary Session II

Day 2 – 05.02.2026

Venue: Abhimanch Sabhagar

Chair: Prof. Mewa Singh, Life-Long Distinguished Professor, University of Mysore

Rapporteur: Dr. Kashmeera N.A., Assistant Professor, DHSGVV



The second plenary session highlighted integrated biological research through two key themes: microbiome-based One Health approaches and conservation of fish genetic resources under climate change. **Prof. Appa Rao Podile, Former Vice-Chancellor, University of Hyderabad**, spoke on “Microbiome and One Health,” emphasizing the role of plant-associated microbiomes in enhancing crop growth, resilience, and sustainable agriculture.



Prof. U. K. Sarkar, Former Director, ICAR–National Bureau of Fish Genetic Resources, discussed the conservation and sustainable management of fish genetic resources, highlighting advanced molecular tools and climate-resilient strategies to ensure food security and biodiversity conservation.

Plenary Session III

Day 3 – 06.02.2026

Venue: Abhimanch Sabhagar

Chair: Prof. U. K. Sarkar, Former Director, NBFGR, Lucknow

Rapporteur: Dr. Brajesh Kumar Maurya, Assistant Professor, DHSGVV



The final plenary session of the third day featured two distinguished speakers addressing cutting-edge advances in biotechnology and neuroendocrinology. **Dr. Gur Pines, University of Colorado Boulder**, delivered Plenary Talk 5 on CRISPR-based pest and pathogen detection, highlighting the application of CRISPR/Cas systems for rapid, sensitive identification of invasive insect pests and plant viruses, and the development of a portable, field-deployable detection kit tested even under microgravity conditions. He emphasized the transformative potential of CRISPR diagnostics beyond genome editing, particularly for biosecurity and sustainable agriculture.

The concluding plenary lecture was presented by **Professor Dr. Chandana Halder, Banaras Hindu University**, who elaborated on melatonin as a multifunctional “chronobiotic” hormone with roles spanning reproduction, immunity, neurobiology, aging, and chronomedicine. She underscored melatonin’s cosmopolitan distribution in animal and plant systems, its therapeutic potential as a geroprotective and immunoregulatory agent, and the challenges limiting its pharmaceutical development despite its broad-spectrum physiological significance.



Glimpses from the Plenary Sessions of the ICIBR 2026



Prof. Mewa Singh being felicitated by Prof. Shivesh Pratap Singh.



Prof. Appa Rao delivering an engaging lecture.



Dr. U.K. Sarkar being felicitated by Prof. Mewa Singh.



Dr. Gur Pines presenting his insights during the session.



Prof. Chandana Halder delivering her lecture.



Interactive session with the audience fostering meaningful discussions.

Keynote Lectures

The keynote lecture series formed a central highlight of the conference, bringing together distinguished scientists, academicians, and policymakers from premier national and international institutions. Conducted parallelly across three venues over three days, the keynote sessions provided a dynamic platform for interdisciplinary exchange and high-level scientific deliberation. The lectures spanned diverse domains of biological sciences, including evolutionary biology, microbiology, ecology, systematics, biomedical research, conservation biology, fisheries science, and environmental sustainability. Collectively, the keynote sessions enriched the academic discourse of the conference, inspired young researchers, and strengthened collaborative perspectives across disciplines in the life sciences.

Keynote Lectures –Day 1

The first day of the conference featured insightful keynote lectures that highlighted diverse and emerging areas in biological sciences, ranging from evolutionary immunology and microbial ecology to chronobiology and human health.



Prof. N. G. Prasad (IISER Mohali) delivered a keynote lecture on “*Transgenerational Effects of Parental Infection in Drosophila.*” He presented compelling experimental evidence demonstrating that parental exposure to pathogenic bacteria enhances offspring survival against homologous infections and, in certain cases, heterologous challenges. His findings revealed improved disease resistance in offspring without measurable reproductive costs, emphasizing the evolutionary significance of transgenerational immune priming in *Drosophila melanogaster*.



Dr. Jasmine Purushothaman (Zoological Survey of India, Kolkata) spoke on “*Eukaryotic Microbial Communities – Non-Celebrated Rulers in Freshwater and Terrestrial Ecosystems.*” She highlighted the ecological importance of testate amoebae, ciliates, and planktonic communities in nutrient cycling, carbon dynamics, and microbial food webs. Emphasizing their sensitivity to environmental changes, she underscored their role as reliable bioindicators for monitoring ecosystem health, pollution, and climate change impacts.



Prof. Madhav Prabhu (JLN Medical College, Karnataka) discussed the *evolution of circadian rhythm and the role of melatonin in the development of metabolic syndrome*. He explored the evolutionary basis of biological clocks and examined emerging links between circadian disruption, melatonin imbalance, and metabolic disorders, drawing attention to possible overlooked connections in modern lifestyle-associated diseases.

Keynote Lectures –Day 2

The second day of the conference featured eight keynote lectures, conducted parallelly across venues, showcasing diverse themes spanning ecology, systematics, environmental monitoring, regenerative biology, fisheries science, biomedical policy, and biological control.



Dr. Niraj Kumar (Institute of Applied Sciences, Prayagraj) discussed the integration of Nutritional Adaptation Theory with the concept of Biogeogens for holistic human health. He elaborated on genetic, physiological, environmental, and cultural dimensions of nutritional adaptability and stressed institutionalized healthcare strategies to address lifestyle and metabolic disorders.



Prof. Himender Bharti (Punjabi University, Patiala) delivered a thought-provoking lecture on the evolution of systematic biology, tracing its journey from Linnaean taxonomy to modern phylogenetics. He emphasized the importance of integrative taxonomy combining morphological, molecular, ecological, and evolutionary evidence.



Dr. Anjum Nasreen Rizvi (ZSI, Kolkata) highlighted the role of soil nematodes as effective bioindicators for monitoring soil ecosystem health. She explained how nematode community structure and indices can reflect ecological changes, land-use practices, and climate impacts.

Keynote Lectures –Day 2



Prof. Shivesh Pratap Singh (PMCOE, Govt. Autonomous P.G. College, Satna, M.P.) presented an eco-behavioral study of highly provisioned focal troops of *Macaca mulatta* in Chitrakoot. He highlighted how artificial feeding alters ranging patterns, social structure, and behavioral strategies, while also drawing attention to conservation concerns such as food poisoning and accidental deaths in temple areas. He emphasized management interventions for sustainable coexistence.



Prof. S. K. De (Vidyasagar University, West Bengal) presented detailed microanatomical insights into the thymic ecology of *Anabas testudineus*. His work revealed the complex lympho-haemopoietic architecture of the thymus gland and its adaptive significance in hostile environments.

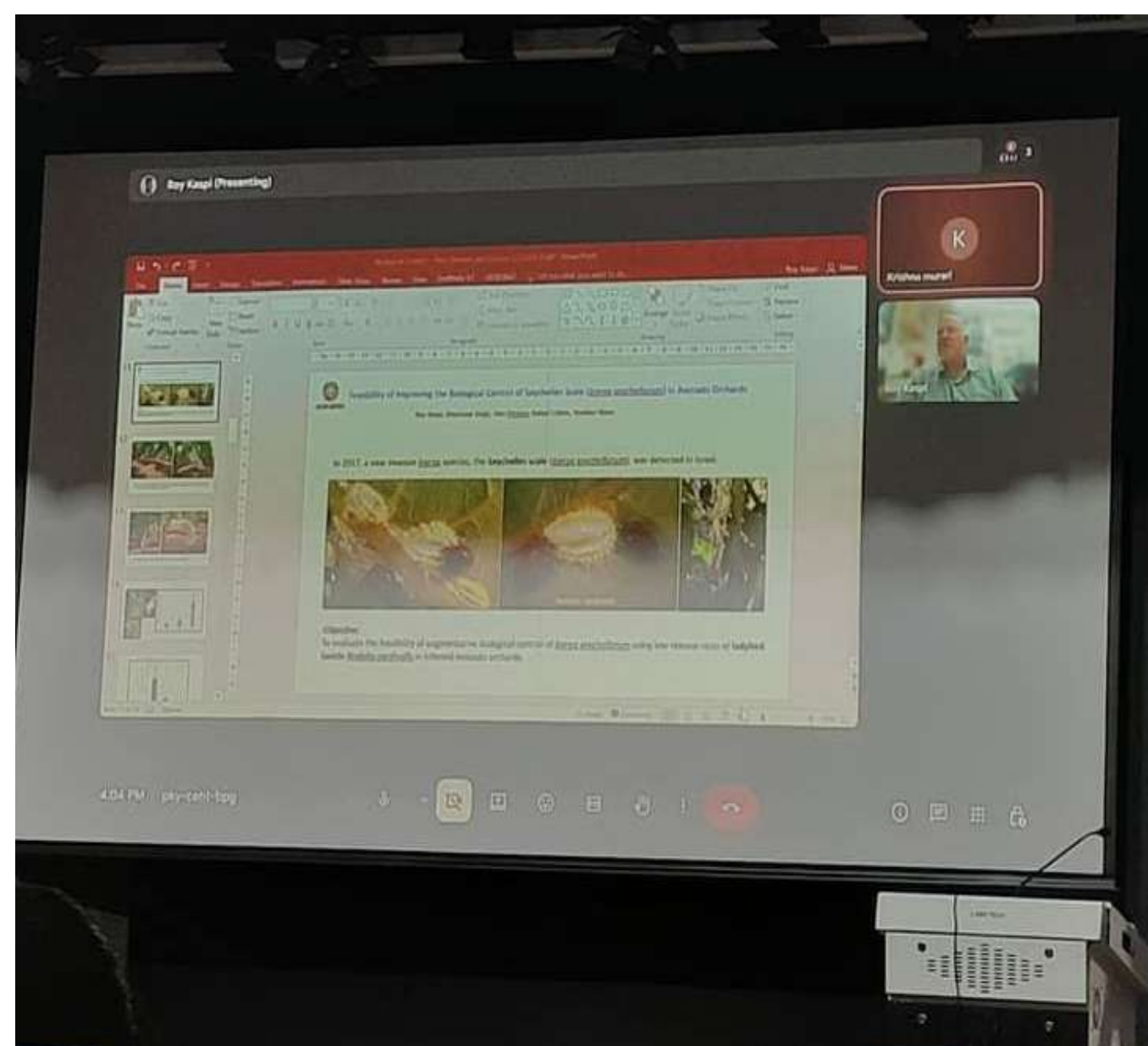


Dr. Deoprasad Chaturvedi (Department of Biotechnology, Government of India) delivered a keynote lecture on strengthening India's biomedical research ecosystem. He highlighted the importance of capacity building, translational research, infrastructure development, and robust policy support to foster research excellence and innovation in the country.

Keynote Lectures –Day 2



Prof. Geetanjali Mishra (University of Lucknow) delivered a keynote lecture on limb regeneration in ladybird beetles, presenting them as an emerging model for understanding ecological, developmental, and molecular aspects of regeneration. She explained that regenerative capacity is highest in early larval instars and declines in later stages, reflecting developmental constraints. Regeneration occurs through blastema formation and is influenced by environmental factors such as temperature and diet, highlighting ecological modulation of regenerative outcomes. Overall, she positioned ladybird beetles as robust models for studying regeneration across genetic, ecological, and evolutionary scales.



Dr. Roy Kaspi (Agricultural Research Organization – Volcani Institute, Israel) delivered his keynote lecture online on *"Biological Control: Past, Present, and Future."* He traced the evolution of biological control from classical introductions of natural enemies to its integration within modern IPM frameworks. Using case studies from Israel, he demonstrated the effectiveness of parasitoids and predatory insects in pest management. He also outlined future directions, including selective breeding of natural enemies and habitat-based strategies to enhance sustainable and climate-resilient agriculture.

Keynote Lectures –Day 3

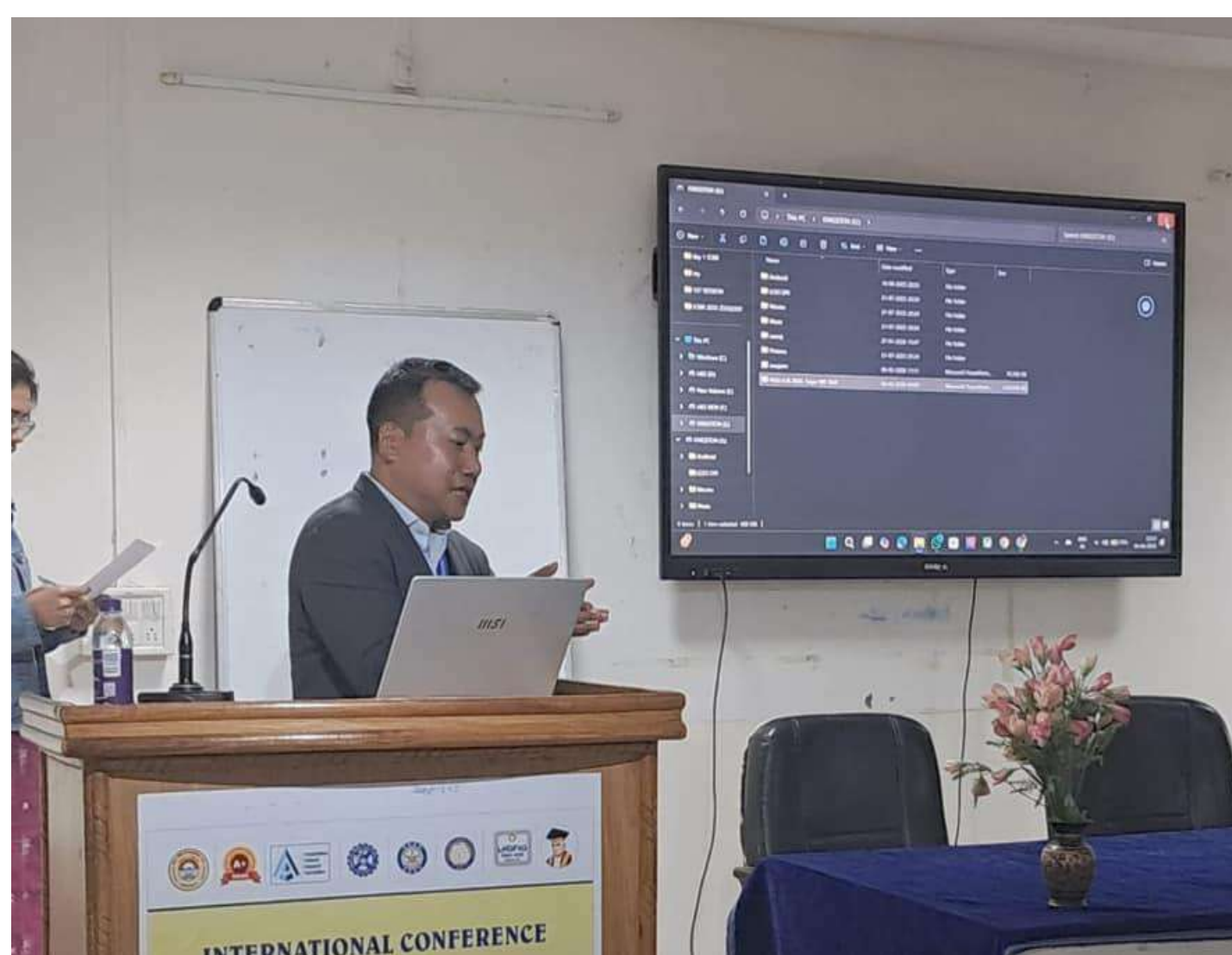
The third day of the conference featured impactful keynote lectures addressing environmental sustainability, climate change, and innovative biotechnological interventions for ecosystem restoration.



Prof. Mohammad Iqbal Khan (Bundelkhand University, Jhansi) delivered a keynote lecture on *“Blue Transformation: Aquaculture Beyond Production and Marketing.”* He highlighted the expanding role of fisheries and aquaculture in ensuring food and nutrition security, livelihood generation, and strengthening the blue economy. Emphasizing India’s position as the second-largest aquaculture producer globally, he discussed advancements such as Biofloc, RAS, cage culture, shrimp farming, certified seed use, and formulated feeds. He underscored the importance of scientific practices, value addition, and sustainable approaches to enhance productivity and rural economic growth.



Prof. Ragini Gothwal (Barkatullah University, Bhopal) spoke on sustainable ecoremediation of religious waste using versatile native microbial consortia. She addressed pollution caused by idol immersion and highlighted eco-friendly microbial solutions for degrading plastics, decolourising paints, and removing heavy metals. She emphasized the development of biofilter systems and the ecological advantages of utilizing indigenous microbes for aquatic ecosystem restoration.



Prof. Mayanglambam Ojit Kumar Singh (Ramjas College, University of Delhi) presented on climate change narratives through insects, focusing on the biocultural importance of edible aquatic insects in Manipur. He linked entomophagy with food security, sustainable livelihoods, biodiversity conservation, and climate adaptation, stressing the need to integrate traditional ecological knowledge into sustainable development frameworks.

Glimpses from the Keynote Lectures of the ICIBR 2026



Dr. Jasmine P. being felicitated by Dr. Anjum Rizvi



Audience in MMTC Hall



Group photo of speakers and audience in MMTC Hall



Audience in Abhimanch Sabhaghar

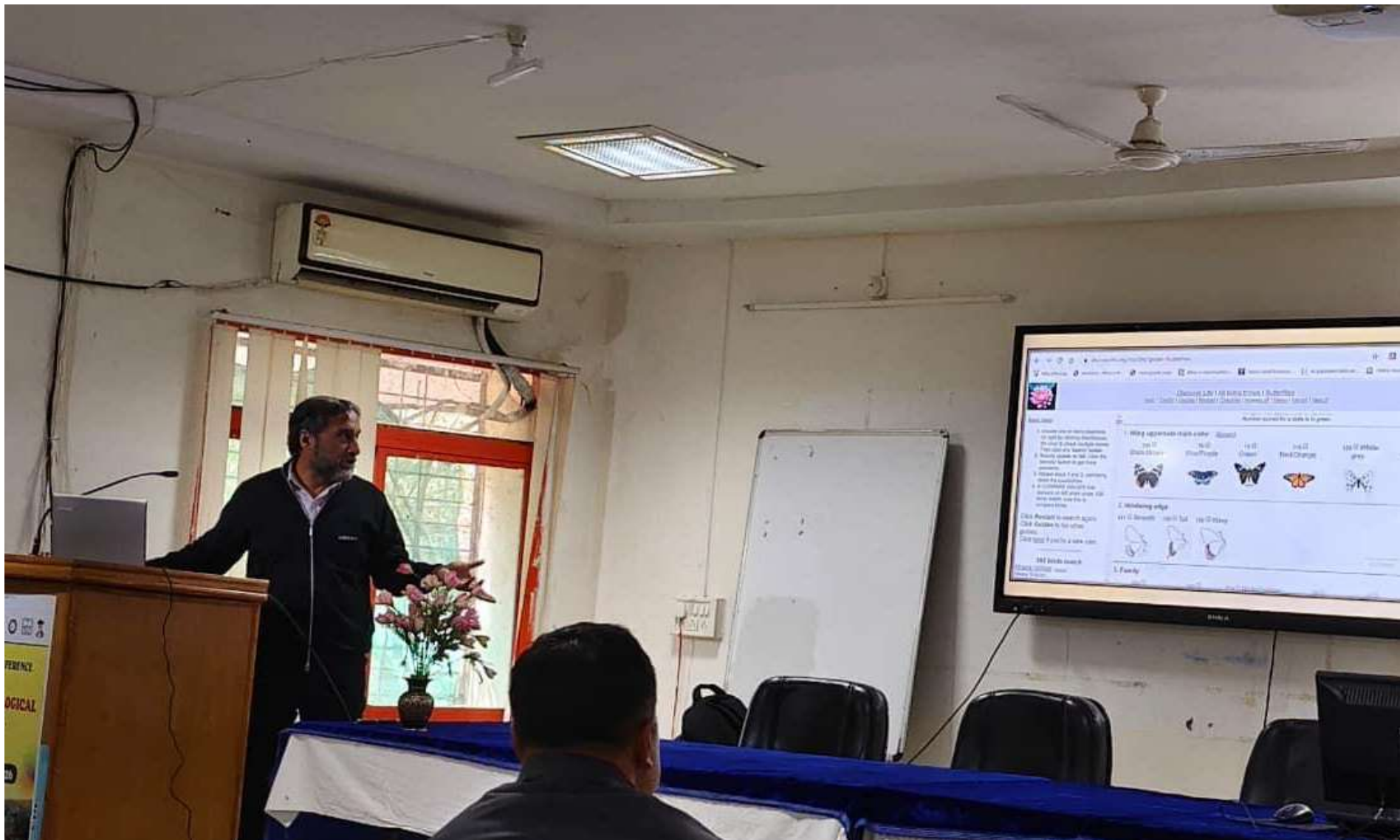


Dr. Niraj Kumar being felicitated by Prof. Chandana Halder



Prof. Shivesh Pratap Singh delivering lecture

Glimpses from the Keynote Lectures of the ICIBR 2026



Prof. Himender Bharti presenting in MMTC Hall



Audience in MMTC Hall



Prof. Chandana Halder felicitating Prof. Shivesh Pratap Singh



Prof. Ojit Singh being felicitated by Dr. Anjum Rizvi



Prof. Madhav Prabhu delivering lecture



Dr. Deoprakash Chaturvedi delivering lecture

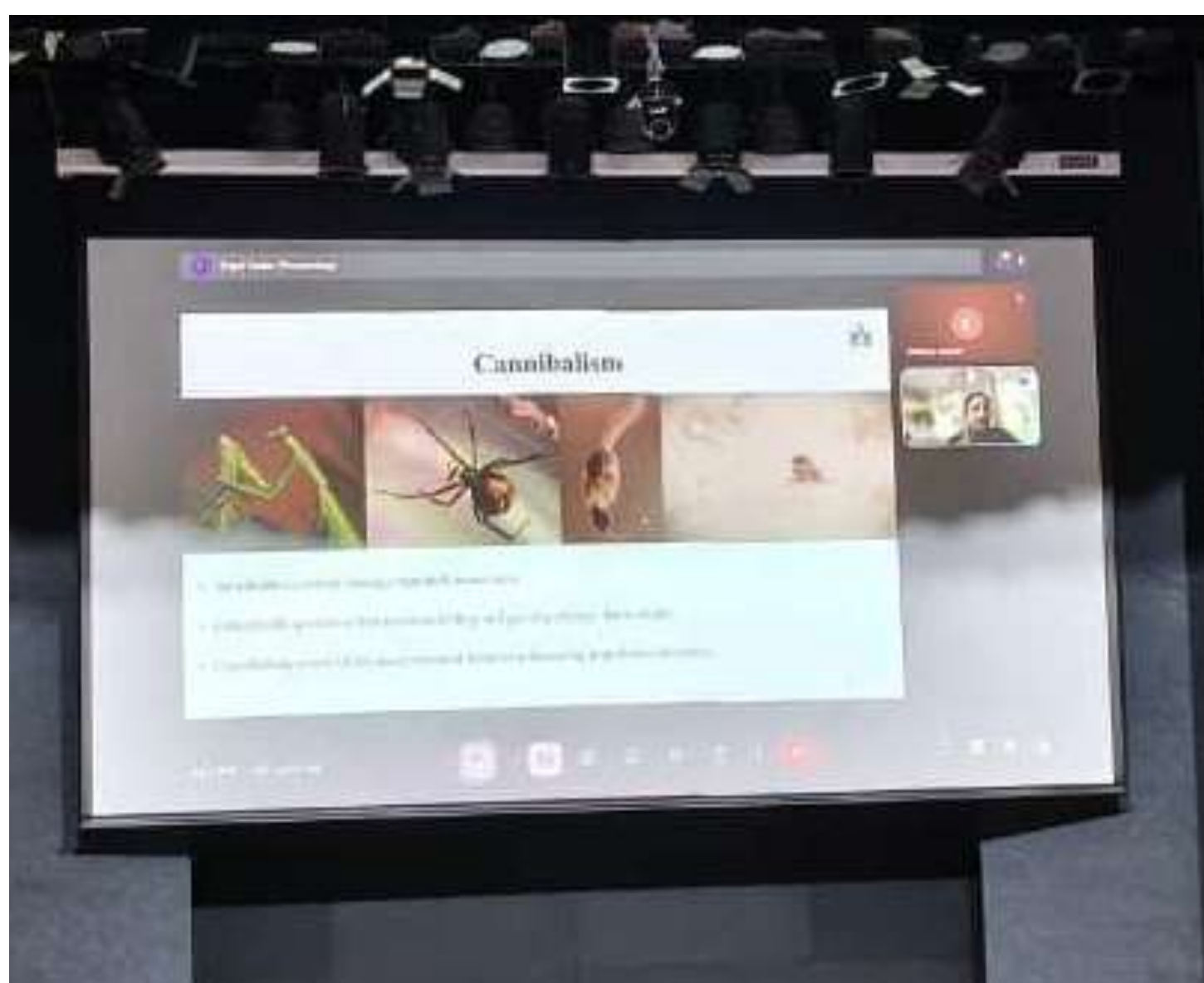
Invited Lectures

The Invited Lecture sessions formed an important component of the conference, providing a vibrant platform for emerging researchers and academicians to present cutting-edge findings across diverse domains of biological sciences. Conducted over three days, these sessions covered themes ranging from ecology, environmental monitoring, plant and animal physiology, microbiology, immunology, neuroscience, oncology, artificial intelligence in healthcare, conservation biology, and climate change. The invited talks reflected strong interdisciplinary integration and highlighted both fundamental research and translational applications relevant to sustainable development and global health

Invited Lectures –Day 1



Dr. Ashish Shivam Mishra (NGBU, Prayagraj) discussed benthic macroinvertebrate communities in the rivers of the Vindhyan region as indicators of freshwater ecosystem health.



Dr. Tripti Yadav (University of Lucknow, online) examined cannibalism as a survival strategy versus an evolutionarily stable behaviour.



Dr. Rahul Kanwar Singh (HNBGU) highlighted cyanobacterization as a technique to enhance the yield of medicinal herbs.



Dr. Divya Bartaria (United Group of Institutes, Prayagraj) presented integrative functional medicine approaches targeting oxidative stress, inflammation, and cellular senescence in autoimmune and age-related disorders.

Invited Lectures –Day 1



Dr. Suchit Swaroop (University of Lucknow) explored molecular links between obstructive sleep apnea and coronary artery disease, focusing on HIF1A, CLOCK, and ADIPOQ pathways.



Dr. A. Wani (University of Jammu) addressed tuberculosis challenges in Jammu and Kashmir.



Dr. Akash Gautam (University of Hyderabad) presented evidence from diabetic rodent models showing impaired memory due to altered brain renin-angiotensin signaling.



Dr. Sumit Kumar Hira (University of Burdwan) discussed immune cell crosstalk reprogramming to overcome resistance in colorectal cancer immunotherapy.



Dr. C. N. Saxena (Lucknow) highlighted gestational diabetes mellitus and its long-term cardiovascular implications for mothers and offspring.

Invited Lectures –Day 2



Dr. Vinay Kumar Singh (CMP Degree College, University of Allahabad) examined nitric oxide synthase expression in catfish ovaries and its role in steroidogenesis.



Dr. Jyoti Verma (University of Allahabad) demonstrated the use of R Studio packages, particularly DiaThor, for ecological monitoring of diatoms.



Dr. Soumik Goswami (Sunbeam Women's College, Varanasi) discussed melatonin's protective role against UV radiation.



Dr. Tuneera Bhadauria (CSJM University, Kanpur) analyzed land-use impacts on earthworm biogeography and functional diversity.



Dr. Pooja Kumari (DS College, Aligarh) presented research on salinity-induced changes in gill mucous cells of channid fishes.

Invited Lectures –Day 2



Dr. Bhupendra Kumar (BHU, Varanasi) described temperature-driven adaptive strategies in *Parthenium* beetles



Dr. Archana Anokhe (ICAR Jabalpur) emphasized sustainable biological control strategies for invasive weeds.



Dr. Shashank K. Maurya (University of Delhi) highlighted novel regulators of neuroinflammation



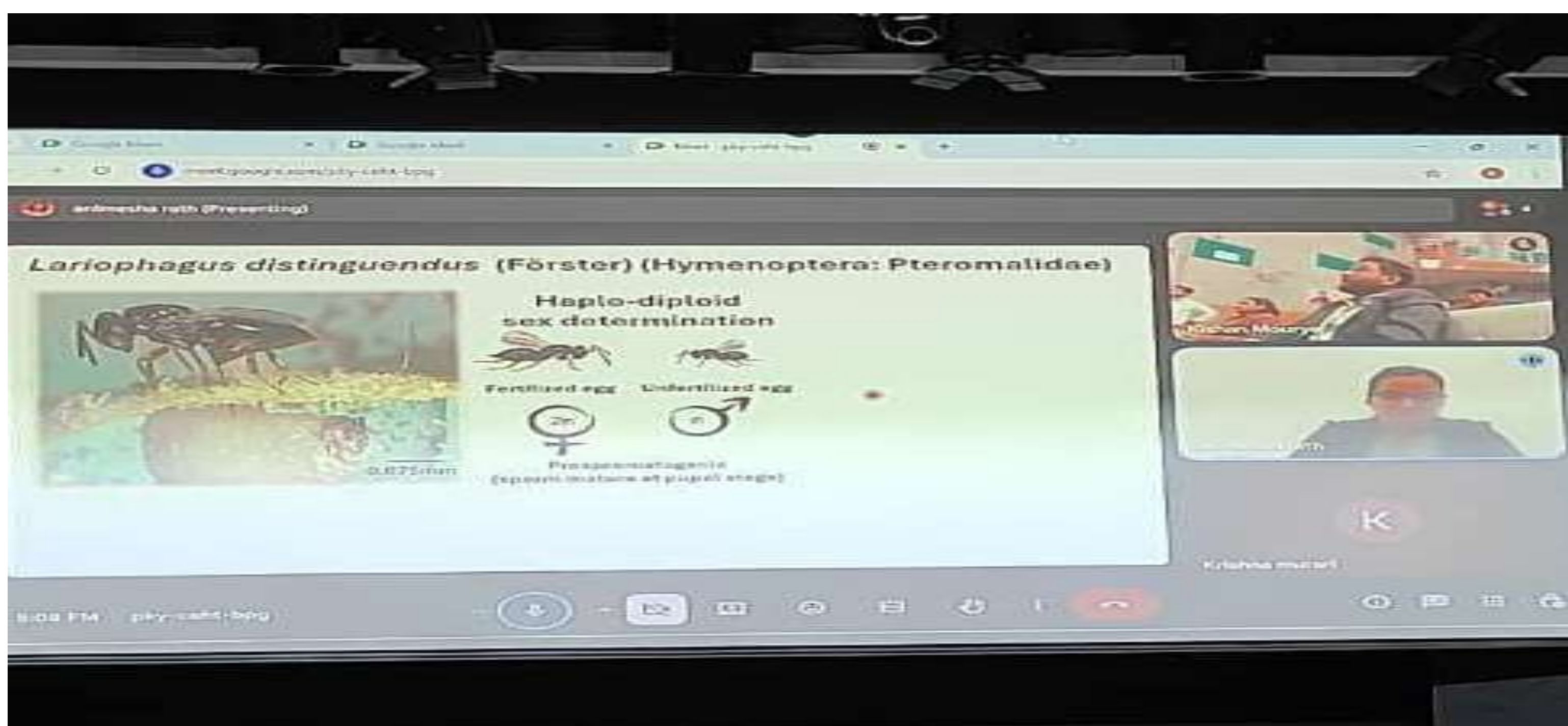
Dr. Amrita Yadav (Dr. Shakuntala Rashtriya Raksha University, Lucknow) discussed AI-driven, nature-inspired algorithms in healthcare



Dr. Akhilendra Kumar Maurya (BHU) presented phytochemical strategies for colorectal cancer chemoprevention via gut microbiota modulation.

Invited Lectures –Day 2

Day 2 also featured presentations from **Hebrew University of Jerusalem** and **Tel Aviv University, Israel** enriching the Programme with global perspectives and interdisciplinary insights.



Dr. Animesha Rath

(Hebrew University of Jerusalem) spoke on symbiont-induced cytoplasmic incompatibility in parasitoids.



Dr. Preeti Sharma

(Tel Aviv University) delivered a talk on engineering lipid nanoparticles for vaccine development.

Invited Lectures –Day 3



Dr. Reshma Sinha (Central University of Himachal Pradesh) addressed emerging contaminants such as microplastics and pharmaceuticals in freshwater systems.



Dr. Arjita Yadav (University of Lucknow) examined sleep health and occupational stress among police personnel.



Dr. Laxmi Priya Pradhan (Govt. PG College, Dhamtari) presented functional characterization of the RbWRKY70 promoter in regulating rose petal abscission.



Dr. Shivangi Mishra (University of Calgary) concluded the invited sessions with a cross-continental perspective on biodiversity conservation and global collaboration.

Student Oral Presentations - Highlights

The Student Oral Presentation sessions, conducted over three days as part of the academic event, showcased a broad spectrum of contemporary research spanning behavioral ecology, regenerative biology, environmental toxicology, neurobiology, biomedical sciences, invasion ecology, and applied entomology. The sessions reflected interdisciplinary integration, methodological innovation, and strong translational relevance.

Student Oral Presentations

The first day featured presentations centred on behavioural communication, toxicology, regeneration biology, and biomedical research. Mr. **Pawan Yadav, Government Degree College Hansaur Barabanki, U.P.** presented his work on *Multimodal Communication in Ants*, elucidating the integration of chemical, tactile, and visual signals in social coordination. Mr. **Rohit Chand Kabidayal, DRDE-DRDO, Gwalior** introduced a convenient and effective atropine sulphate nasal formulation designed for rapid intervention against organophosphate toxicity, highlighting its translational potential in emergency toxicology.

Mr. **Sanjeev Kumar, University of Lucknow** discussed *The Hidden Costs of Regeneration in Ladybird Beetles*, addressing ecological and physiological trade-offs associated with regenerative processes. Ms. **Ankita Dwivedi, DHSGVV, Sagar** demonstrated that cigarette smoke extract accelerates neurodegenerative changes via oxidative stress and further evaluated the neuroprotective role of hesperetin in adult zebrafish models. Ms. **Diksha Sharma, Central University of Jammu** evaluated the therapeutic potential of extracellular vesicles derived from probiotic *Lactobacillus* strains, emphasizing their emerging biomedical applications. Mr. **Shashwat Singh, University of Lucknow** analysed lifestyle behaviours and clinical characteristics of coronary artery disease patients in North India, contributing valuable epidemiological insights. The second day highlighted ecological assessments, neuroendocrine regulation, environmental stress biology, metabolomics, and applied insect science.

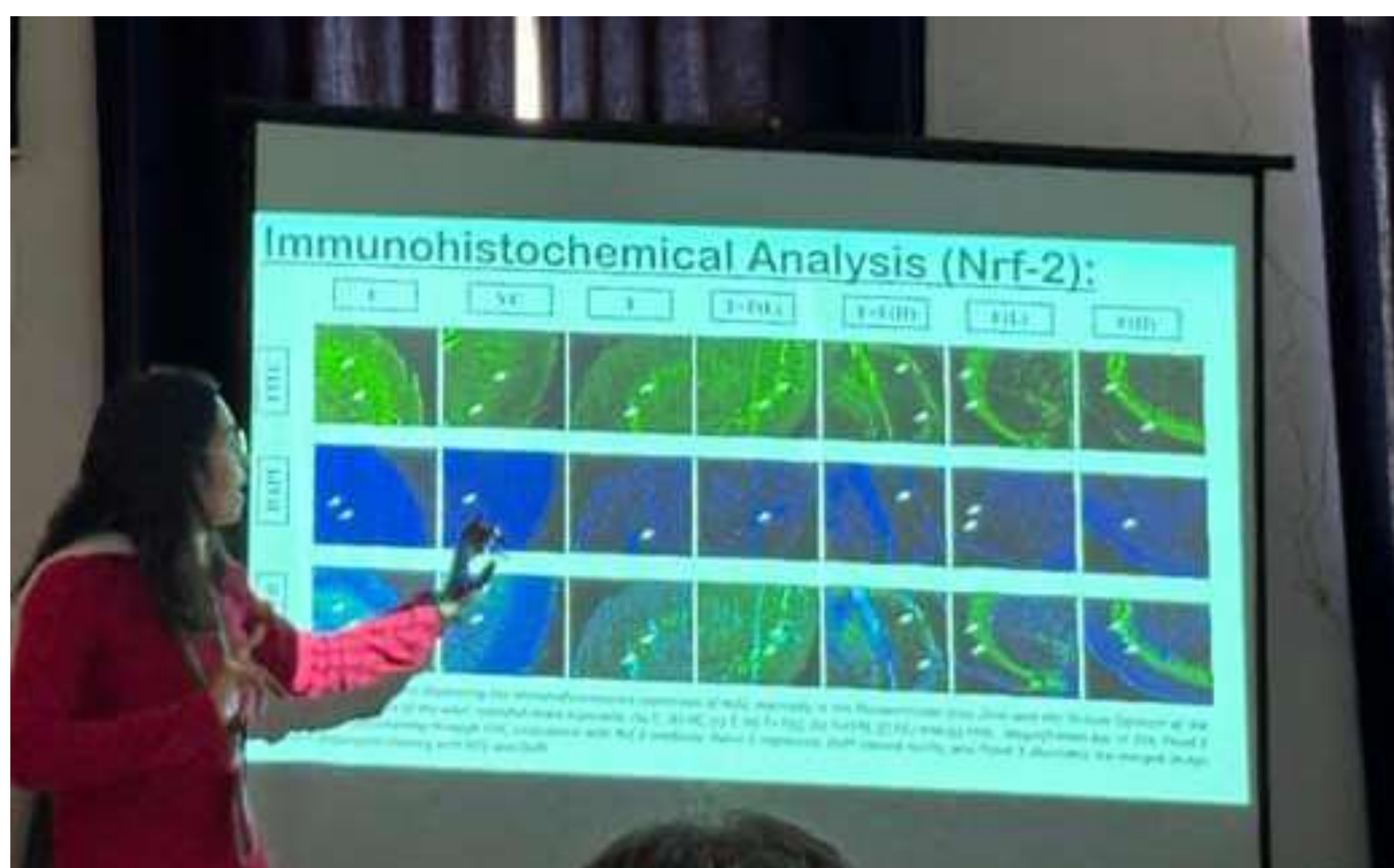
Mr. **Hitendra Sahu, DHSGVV, Sagar** presented a systematic review examining whether sacred river sections contribute to safeguarding ichthyofaunal diversity in selected Central Indian rivers. Mr. **Aman Prakash** investigated developmental, behavioural, and molecular responses of sea urchin larvae under varying food availability conditions.

Ms. **Rishika Tiwari, University of Haifa** explored the neurobiological consequences of social isolation, demonstrating oxytocin-dependent frontal theta oscillatory modulation in rat corticostriatal circuits. Ms. **Sneha Bibyan, DHSGVV, Sagar** reported the mitigating effects of soy isoflavone genistein against phthalate-induced neurodegeneration in zebrafish models.

Student Oral Presentations

Mr. **Aamir Khan, DHSGVV, Sagar** examined synbiotic-induced immuno-endocrine regulation of testicular function in adult male Japanese quail. Dr. **Kiran Singh, DHSGVV, Sagar** utilized GC-MS metabolomics and multi-level biomarkers to reveal oxidative stress and metabolic disruption in earthworms exposed to LDPE microplastics. Ms. **Garima Stephen, DHSGVV, Sagar** assessed soil fauna responses to polyurethane microplastics using earthworms as bioindicators.

Dr. **Shriza Rai, Shri Jai Narain Mishra PG College** analysed the ecological cost of limb loss in the predatory ladybird *Cheilomenes sexmaculata*, evaluating its impact on predation efficiency and fitness. Mr. **Tamal Das Banaras Hindu University**, evaluated rearing performance of the multivoltine Nistari race of *Bombyx mori* under thermal stress conditions. Mr. **Siddharth Rajput, dhsgvv, Sagar** investigated MC-LR-induced alterations in the unfolded protein response pathway in mice and assessed the ameliorative effects of coenzyme Q10. Mr. **Praddum Kumar Namdev, DHSGVV, Sagar** presented systems-level metabolomic meta-analysis insights into agrochemical impacts on earthworms. Mr. **Brijesh Prajapat, DHSGVV, Sagar** delivered a preclinical review on melatonin-loaded nanoparticles as a promising therapeutic strategy for osteoporosis.



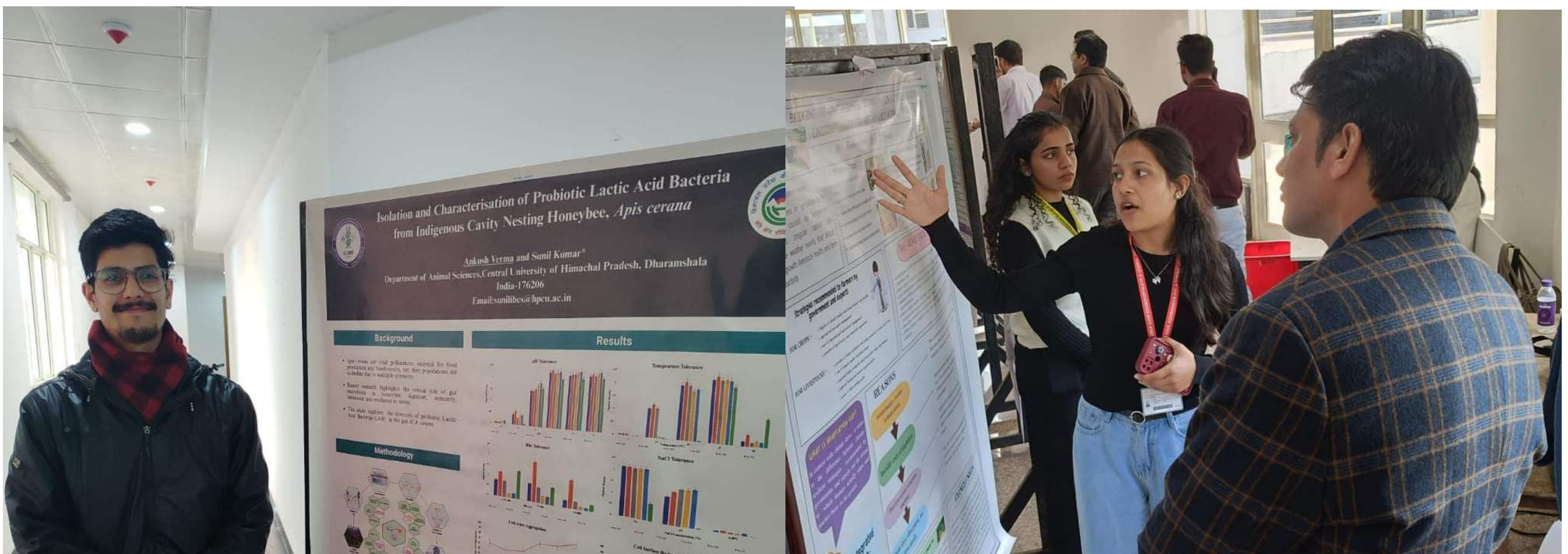
Student Oral Presentations



Student Poster Presentations - Highlights

The Student Poster Presentation sessions, held from February 4–6, 2026, featured 46 research contributions spanning ecology, environmental science, biotechnology, biomedical research, and sustainable development. The presentations highlighted contemporary themes such as climate-resilient aquaculture, emerging pollutants, conservation biology, chronobiology, molecular toxicology, and AI-driven health innovations. Students employed diverse methodological approaches including bioinformatics, metabolomics, ecological modelling, experimental biology, and systematic reviews. The sessions fostered active scientific discussion, interdisciplinary exchange, and critical evaluation among participants and faculty members. Overall, the poster presentations provided a dynamic platform for young researchers to showcase innovative work addressing pressing environmental and biomedical challenges.

Glimpses from the Poster Sessions of the ICIBR 2026



Cultural Programme - Highlights

The Student Poster Presentation sessions, held from February 4–6, 2026, featured 46 research contributions spanning ecology, environmental science, biotechnology, biomedical research, and sustainable development. The presentations highlighted contemporary themes such as climate-resilient aquaculture, emerging pollutants, conservation biology, chronobiology, molecular toxicology, and AI-driven health innovations. Students employed diverse methodological approaches including bioinformatics, metabolomics, ecological modelling, experimental biology, and systematic reviews. The sessions fostered active scientific discussion, interdisciplinary exchange, and critical evaluation among participants and faculty members. Overall, the poster presentations provided a dynamic platform for young researchers to showcase innovative work addressing pressing environmental and biomedical challenges.

Cultural Programme of ICIBR 2026

The Cultural Programme of ICIBR 2026 was held on 5 February 2026 from 7:00 PM to 9:00 PM, followed by dinner. The evening provided a vibrant platform to celebrate India's rich cultural heritage alongside the scientific deliberations of the conference. The programme commenced with a graceful Saraswati Vandana in Odissi format by Ms. Shanta Kumari Panda, setting a devotional and auspicious tone for the evening. This was followed by a poetic presentation by Khushi Sharma reflecting regional pride, and a series of energetic folk and fusion dance performances representing Rajasthani, Haryanvi, Punjabi, semi-classical, and freestyle styles by students and staffs. The cultural diversity of the evening was further enriched by melodious singing performances by Prof. Malabika Sikdar, including a mouth organ rendition of Bollywood classics, Classical dance, recitals, and expressive poetry. Instrumental excellence was showcased through a captivating tabla performance by Dr. Soumik Goswami accompanied by popular classical and semi-classical compositions. A highlight of the evening was a mesmerizing Kathak performance by Ms. Arohi Shrivastava of Aadarsh Sangeet Mahavidyalaya, who captivated the audience with her expressive abhinaya, precise footwork, and rhythmic mastery. The programme concluded with a lively Bollywood medley presented by students, creating an atmosphere of unity and celebration. Overall, the cultural evening beautifully blended tradition and creativity, fostering camaraderie among participants and adding a memorable dimension to ICIBR 2026.



Glimpses from the Cultural Evening



Women in Science Session

The Women in Science session at ICIBR 2026 was organized to recognize, promote, and strengthen the contributions of women researchers in advancing interdisciplinary scientific research. The session aimed to provide a dedicated platform for knowledge exchange, mentorship, visibility, and leadership in science, while encouraging young scholars to pursue research careers. Invited lectures addressed emerging freshwater contaminants such as microplastics and PCPs, sleep health challenges in high-stress professions, and molecular regulation of plant developmental processes. Oral presentations highlighted innovative therapeutic nanoformulations, phytochemical-based protective strategies against pesticide toxicity, ecological health assessment using diatom indices, and mitigation of toxicant-induced damage in aquatic systems. Overall, the session reflected the scientific rigor, diversity, and leadership of women researchers in addressing contemporary environmental, biomedical, and ecological challenges.

Glimpses from the Women in Science Session



Presentation by Dr. Reshma Sinha



Interaction during women in science session



Dr. Arjita Yadav presenting



Dr. Surbhi Chaurasia presenting



Presentation by Ms. Preeti Tirkey



Dr. Kainat Usmani's presentation

Panel Discussion and Recommendations

On the occasion of ICIBR 2026, a panel discussion was organized to address the emerging challenges and opportunities in biological education and research. The session aimed to guide students and young researchers on the importance of multidisciplinary training, skill development, collaborative research, and career preparedness in an increasingly competitive scientific landscape. The discussion highlighted the need to move beyond rigid disciplinary boundaries, encourage institutional openness, and provide broader academic exposure before early specialization. It served as an interactive platform where experts shared insights on systemic reforms, interdisciplinary integration, and strategies to enhance research excellence and employability.

Panel Discussion and Recommendations

A thought-provoking panel discussion was conducted with the participation of Prof. N. G. Prasad, Prof. Himender Bharti, Prof. Iqbal Khan, Prof. Mewa Singh, Prof. Geetanjali Mishra, and Dr. Anjum N. Rizvi. The session witnessed active engagement from students and faculty, with vibrant interaction on issues concerning multidisciplinary training, research integration, and career challenges in biological sciences. The panelists emphasized the growing importance of multidisciplinary education in preparing students for contemporary research and employment landscapes. It was highlighted that early academic branching into narrow specializations limits intellectual growth and restricts opportunities for integrated research. Prof. N. G. Prasad noted that institutions such as IISERs have already adopted interdisciplinary models where students receive broad foundational training before specialization. Prof. Himender Bharti shared experiences from Punjabi University, where integrated biological sciences programs were introduced in alignment with NEP 2020 to provide common foundational courses across botany, zoology, genetics, and biotechnology. A compelling example was discussed of a biology student who had also studied mathematics and computation; during her Master's program at the Max Planck Institute of Mathematics and Biology, Germany, she realized the value of statistical and computational training in genomic analysis. This highlighted the necessity of equipping biology students with quantitative and computational skills to engage meaningfully in modern research. The discussion also addressed systemic challenges, including limited job opportunities and the need for institutional openness to interdisciplinary collaboration. Panelists stressed that collaboration often begins at the student level and institutions must create flexible academic structures that encourage cross-departmental learning and research exposure. Prof. Mewa Singh assured that support mechanisms, including funding opportunities, would be explored to promote interdisciplinary initiatives. Overall, the panel underscored that integrated curricula, collaborative culture, skill-based training, and exposure across disciplines are essential to nurture competent biologists capable of addressing complex scientific problems in the future.

Glimpses from the Panel Discussion



Prof. Mewa Singh, Prof. N. G. Prasad, Prof. Himender Bharti, Dr. Anjum N. Rizvi, Prof. Geetanjali Mishra, Dr. Deo Prasad Chaturvedi, and Prof. Iqbal Khan during Panel discussion, interacting with audience.

Valedictory Ceremony

The Valedictory Ceremony of ICIBR 2026 was held at Abhimanch Sabhagar from 3:00 PM to 5:00 PM, marking the formal culmination of the three-day international conference. The session brought together delegates, speakers, faculty members, and students to reflect on the academic deliberations and achievements of the event. The ceremony featured a panel discussion highlighting key insights from the conference and the importance of interdisciplinary collaboration in biological research. A comprehensive summary of the conference proceedings was presented by Dr. Raj Kumar Koiri, who outlined the major themes, scientific advancements, and active participation witnessed across keynote lectures, invited talks, oral and poster presentations. Participants shared constructive feedback, appreciating the scientific rigor, international participation, and inclusive academic environment of the conference. The Award Ceremony followed, wherein Best Poster Presentation, Best Oral Presentation, Women Scientist Award, and Young Scientist Award were conferred to recognize excellence and innovation. The event concluded with a formal Vote of Thanks delivered by Dr. Shashwat Singh, expressing gratitude to the organizing committee, speakers, participants, sponsors, and supporting staff for their valuable contributions to the success of ICIBR 2026.



Glimpses from the Valedictory Ceremony



Dr. Raj Kumar Koiri briefing during the valedictory ceremony.



Panel discussion with experts sharing their perspectives.



Best Poster Award recipient being honored.



Dr. Amrita Yadav receiving the Young Scientist Award.



Audience sharing valuable feedback during the session.



Group photo capturing the memorable moments of the event.

Awards and Recognitions

On the occasion of ICIBR 2026, Awards and Recognitions were instituted to acknowledge and celebrate outstanding scientific contributions across various categories. The objective was to encourage academic excellence, innovation, and impactful research among participants at different career stages. Awards were presented for Best Oral Presentation and Best Poster Presentation, recognizing clarity of research objectives, methodological rigor, scientific relevance, and presentation skills. Special distinctions such as the Young Scientist Award were conferred to appreciate promising early-career researchers demonstrating originality and potential for future leadership in science. In addition, the Women Scientist Award was introduced to honor exemplary research contributions by women scientists and to promote greater representation, visibility, and leadership of women in interdisciplinary biological research.

List of award winners

Best Poster Presentation Awards

1. Mohnish Singh, University of Lucknow
2. Ankush Verma, Central University of Himachal Pradesh
3. Rajat Bhatia, Central University of Himachal Pradesh
4. Ansh Pathak, Ramjas College

Best Oral Presentation Awards

1. Sanjeev Kumar, University of Lucknow (First)- Ecology, Ecotoxicology and Evolutionary Biology
2. Rohit Chand Kabidayal, DRDE-DRDO, Gwalior (Second) - Ecology, Ecotoxicology and Evolutionary Biology
3. Diksha Sharma, Central University of Jammu- Environmental Science, Microbiology and Stress Biology
4. Shashwat Singh, University of Lucknow- Human Health and Welfare
5. Aman Prakash,- Aquatic Science, Fish and Fisheries
6. Sneha Bibyan, DHSGVV, Sagar- Neuroscience and Endocrinology
7. Garima Stephen, DHSGVV, Sagar - Taxonomy and Systematics
8. Dr. Shriza Rai, Shri Jai Narain Mishra PG College - Insect Science and Pest Management
9. Siddharth Rajput, DHSGVV, Sagar - Cell and Molecular Biology
10. Praddum Kumar Namdev, DHSGVV, Sagar- Bioinformatics, Nanotechnology and startups in Life Science
11. Anuradha Yadav, CMP Degree College - Women in Science
12. Jagriti Rai- Biodiversity, Conservation and Management

Best Women Scientist Awards

1. Dr. Reshma Sinha, Central University of Himachal Pradesh
2. Dr. Arjita Yadav, University of Lucknow

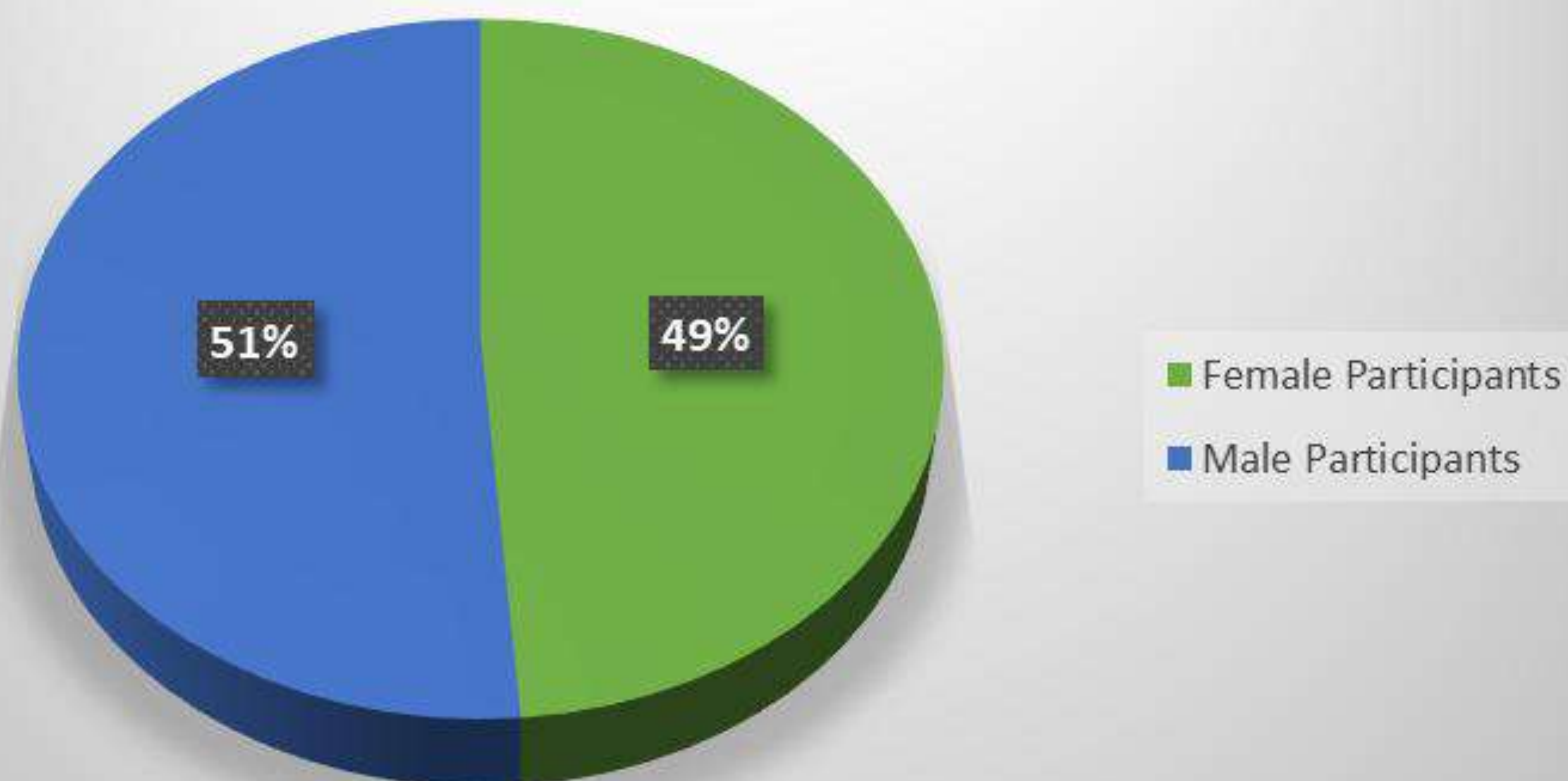
Young Scientist Awards

1. Dr. Soumik Goswami, Sunbeam Women's College
2. Dr. Bhupendra Kumar, Banaras Hindu University
3. Dr. Shashank K. Maurya, University of Delhi
4. Dr. Amrita Yadav, Dr. Shakuntala Misra National Rehabilitation University

Participation Statistics

ICIBR 2026 witnessed strong academic engagement with a total of 160 registered participants and 45 speakers, reflecting wide national and emerging international representation. The conference hosted 4 international speakers (Israel – 2, United States – 1, Canada – 1), along with one international student participant from Israel, highlighting its growing global outreach. Among Indian speakers, the majority were from Uttar Pradesh (18 speakers), while student participation was highest from Madhya Pradesh, the host state, indicating strong institutional involvement. Students and research scholars constituted nearly 75% of total participants, demonstrating vibrant young researcher engagement, while professionals including faculty members and scientists formed about 25%. “It was noted that participation from around the globe such as University of Mysore, University of Ahmedabad, IISER Mohali, Barkatullah University, Bhopal

Gender Distribution (Participants)

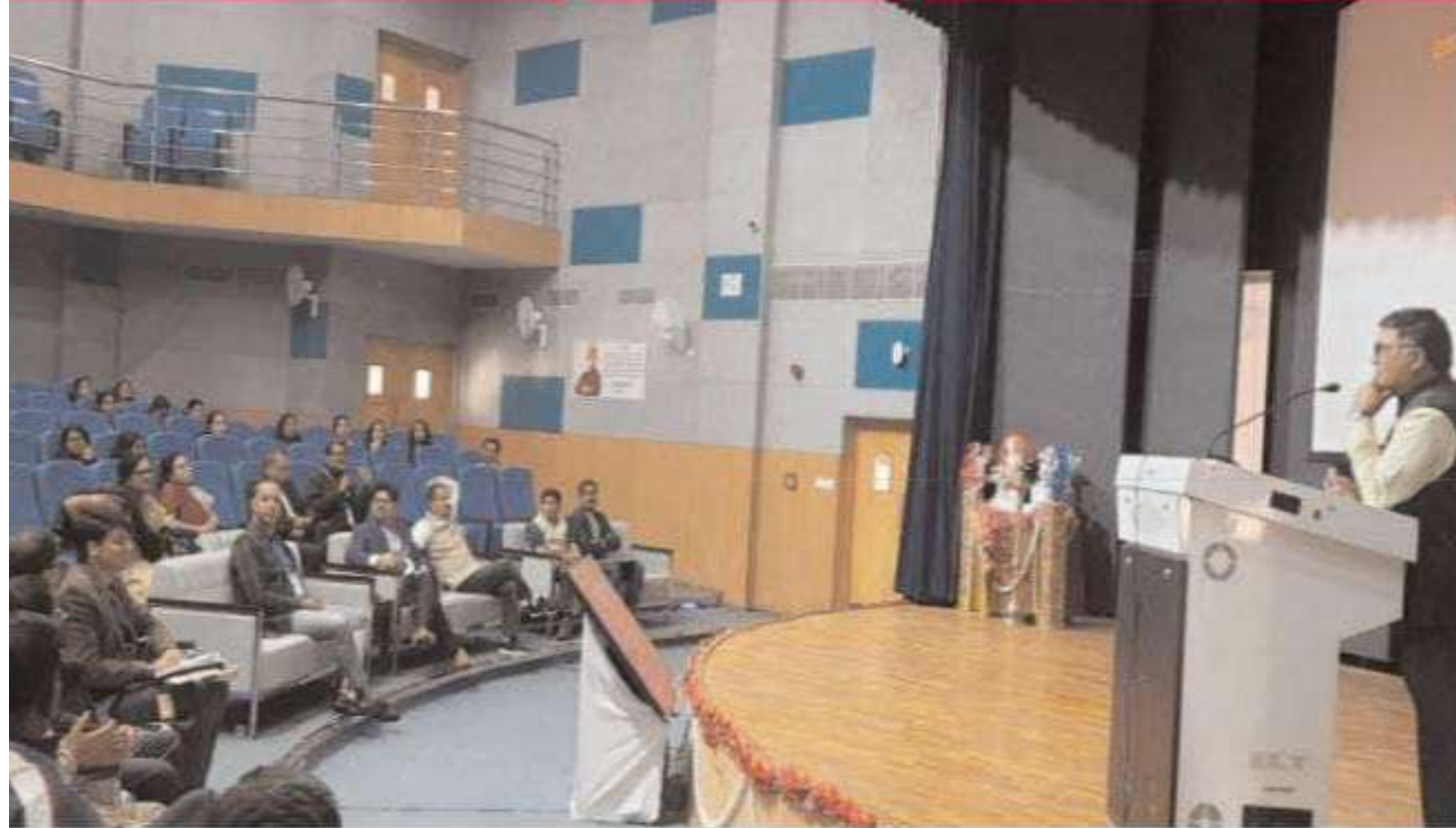


Participation Statistics

NGBU Prayagraj, University of Lucknow, ZSI Kolkata, University of Jammu, University of Hyderabad, Vidyasagar University, West Bengal, Jhansi University, University of Allahabad, Jiwaji University Gwalior, Punjab University Patiala,. Volcani Institute Israel, BHU Varanasi, Hebrew University of Jerusalem Israel, Delhi University, NIH Maryland USA, DBT, Tel Aviv University Israel, DDU Gorakhpur, Central University of Himachal Pradesh, University of Calgary, Govt. PG College Tehri Gharwal, Govt. PG College Dhamtari CG, Sunbeam Women's College Varanasi), as well as from across India, spanned all regions, North, South, East, and West, making ICIBR-2026 a truly inclusive and international scientific congregation." Gender distribution showed a male majority among both speakers and participants, with speakers comprising 60% male and 40% female representation.

Media Coverage

विश्वविद्यालय- एकीकृत जैविक अनुसंधान पर मंथन, विशेषज्ञों ने प्रस्तुत किये शोध पत्र



ज्ञान गुण सागर। डॉक्टर हरीसिंह गौर विश्वविद्यालय सागर में आयोजित तीन दिवसीय इंटरनेशनल कॉन्फ्रेंस ऑन इंटीग्रेटेड बायोलॉजिकल रिसर्च वर्तमान में जारी है। जिसमें जैविक विज्ञान के विभिन्न क्षेत्रों से जुड़े वैज्ञानिक, शिक्षाविद् एवं शोधकर्ता भाग ले रहे हैं। उद्घाटन सत्र के पश्चात सम्मेलन में प्रो. मेवा सिंह एवं प्रो. एस. पी. सिंह द्वारा प्लेनरी व्याख्यान दिए गए। इसके साथ ही प्रो. एन. जी. प्रसाद, प्रो. माधव प्रभु तथा डॉ. नैस्मिन पुरुषोत्तमन सहित कई प्रतिष्ठित वैज्ञानिकों ने कीनोट व्याख्यान प्रस्तुत

किए। सम्मेलन के दौरान शोधकर्ताओं ने डोसोफिला में पीढ़ीगत प्रभाव तथा लेडी बीटल्स में कैनिबलिज्म जैसे विषयों पर अपने शोध प्रस्तुत किए, जो वर्तमान जैविक अनुसंधान की गहराई एवं विविधता को दर्शाते हैं। युवा शोधार्थियों और विद्यार्थियों के कार्यों को प्रदर्शित करने वाला पोस्टर सत्र भी आयोजित किया गया, जिससे शैक्षणिक सहभागिता और वैज्ञानिक संवाद को बढ़ावा मिला। सम्मेलन के दूसरे दिन की अकादमिक कार्यवाही की शुरुआत प्रो. अप्पा राव पोडिले के प्लेनरी व्याख्यान से हुई।

जिसमें उन्होंने वन हेल्थ परिप्रेक्ष्य में सूक्ष्मजीवों की भूमिका, विशेष रूप से आंत माइक्रोफ्लोरा पर प्रकाश डाला। इसके पश्चात प्रो. यू. के. सरकार वैश्विक अर्थव्यवस्था में मछलियों एवं जलीय जीवों के योगदान पर अपना व्याख्यान दिया। इसके बाद आमंत्रित विशेषज्ञों द्वारा ज्ञानवर्धक कीनोट व्याख्यान प्रस्तुत किए गए।

सम्मेलन के अंतर्गत जलीय विज्ञान, मत्स्य एवं मत्स्यिकी, न्यूरोसाइंस एवं एंडोक्रिनोलॉजी, पारिस्थितिकी, टैक्सोनामी एवं सिस्टमैटिक्स जैसी विषयों पर समानांतर तकनीकी सत्र आयोजित किए गए। एमएमटीसी हॉल में आयोजित मौखिक सत्रों में कीनोट व्याख्यान एवं कीट प्रबंधन, कोशिका एवं आणविक जीवविज्ञान

बायोइन्फॉर्मेटिक्स, नैनोटेक्नोलॉजी तथा जीवन विज्ञान में स्टार्ट-अप जैसी विविध विषयों पर चर्चा हुई। यह सम्मेलन समकालीन जैविक अनुसंधान में अंतरविषयी संवाद, ज्ञान के आदान प्रदान एवं सहयोग के लिए एक महत्वपूर्ण मंच के रूप में निरंतर कार्य कर रहा है।

इंटीग्रेटेड बायोलॉजी पर 3 दिवसीय आईसीआईबीआर 2026 का आयोजन आज से

सागर, देशबन्धु। डॉ. हरिसिंह गौर केंद्रीय वि. के. स्कूल ऑफ बायोलॉजिकल साइंसेस के तर्गत प्राणीशास्त्र विभाग द्वारा इंटरनेशनल कॉन्फ्रेंस ऑन इंटीग्रेटेड बायोलॉजिकल रिसर्च आईसीआईबीआर.2026 का आयोजन 4 से 6 रवरी तक किया जायेगा। इस तीन दिवसीय अंतरराष्ट्रीय सम्मेलन की संयोजक प्रो. श्वेता यादव भागाध्यक्ष, प्राणीशास्त्र विभाग एवं निदेशक अनुसंधान एवं विकास, डीएचएसजीयूए सागर हैं। सम्मेलन का उद्देश्य जैविक विज्ञान के विभिन्न क्षेत्रों में कार्यरत देश विदेश के प्रख्यात वैज्ञानिकों, शिक्षाविदों, शोधकर्ताओं एवं युवा शोधार्थियों को एक साझा मंच पर लाकर नवीन अनुसंधानों पर विमर्श को बढ़ावा देना है। सम्मेलन पर्यावरण, जैव विविधता, जीनोमिक्स, सिस्टम बायोलॉजी, पशु व्यवहार, पारिस्थितिकी एवं संरक्षण जीवविज्ञान जैसे महत्वपूर्ण विषयों पर मंथन होगा। सम्मेलन के दौरान 52 आमंत्रित व्याख्यान, 6 पोस्टर प्रस्तुतियां एवं 38 ओरल प्रस्तुतियां होंगी। उन्हें तीन पैरेलल टेक्निकल सेशन्स के माध्यम से विभिन्न सभागार एवं एमएमटीसी कक्षों में आयोजित किया जायेगा।



सागर, देशबन्धु। डॉ. हरीसिंह गौर वि. के. में आयोजित तीन दिवसीय इंटरनेशनल कॉन्फ्रेंस ऑन इंटीग्रेटेड बायोलॉजिकल रिसर्च आईसीआईबीआर 2026 वर्तमान में जारी है। जिसमें जैविक विज्ञान के विभिन्न क्षेत्रों से जुड़े वैज्ञानिक, शिक्षाविद् एवं शोधकर्ता भाग ले रहे हैं। उद्घाटन सत्र के पश्चात सम्मेलन में प्रो. मेवा सिंह एवं प्रो. एसपी

भूमिका, विशेष रूप से आंत माइक्रोफ्लोरा पर प्रकाश डाला। प्रो. यू. के. सरकार ने वैश्विक अर्थव्यवस्था में मछलियों एवं जलीय जीवों के योगदान पर अपना व्याख्यान दिया। आमंत्रित विशेषज्ञों द्वारा ज्ञानवर्धक कीनोट व्याख्यान प्रस्तुत किये गये। सम्मेलन के अंतर्गत जलीय विज्ञान, मत्स्य एवं मत्स्यिकी, न्यूरोसाइंस एवं एंडोक्रिनोलॉजी, पारिस्थितिकी,

विविधता को दर्शाते हैं। युवा शोधार्थियों और विद्यार्थियों के कार्यों को प्रदर्शित करने वाला पोस्टर सत्र भी आयोजित किया गया, जिससे शैक्षणिक सहभागिता और वैज्ञानिक संवाद को बढ़ावा मिला। दूसरे दिन की अकादमिक कार्यवाही की शुरुआत प्रो. अप्पा राव पोडिले के प्लेनरी व्याख्यान से हुई। जिसमें उन्होंने वन हेल्थ परिप्रेक्ष्य में सूक्ष्मजीवों की

Media Coverage

ऑन इंटीग्रेटेड बायोलॉजिकल रिसर्च (ICIBR-2026) वर्तमान में जारी है। जिसमें जैविक विज्ञान के विभिन्न क्षेत्रों से जुड़े वैज्ञानिक, शिक्षाविद् एवं शोधकर्ता भाग ले रहे हैं। उद्घाटन सत्र के पश्चात सम्मेलन में प्रो. मेवा सिंह एवं प्रो. एस. पी. सिंह द्वारा प्लेनरी व्याख्यान दिए गए। इसके साथ ही प्रो. एन. जी. प्रसाद, प्रो. माधव प्रभु तथा डॉ. जैस्मिन पुरुषोत्तमन सहित कई प्रतिष्ठित वैज्ञानिकों ने कीनोट व्याख्यान प्रस्तुत किए।



सम्मेलन के दौरान शोधकर्ताओं ने ड्रोसोफिला में पीढ़ीगत प्रभाव तथा लेडी बीटल्स में कैनिबलिज्म जैसे विषयों पर अपने शोध प्रस्तुत किए, जो वर्तमान जैविक अनुसंधान की गहराई एवं विविधता को दर्शाते हैं। युवा शोधार्थियों और विद्यार्थियों के कार्यों को प्रदर्शित करने वाला पोस्टर सत्र भी आयोजित किया गया, जिससे शैक्षणिक सहभागिता और वैज्ञानिक संवाद को बढ़ावा मिला। सम्मेलन के दूसरे दिन की अकादमिक कार्यवाही की शुरुआत प्रो. अप्पा राव पोडिले के प्लेनरी व्याख्यान से हुई। जिसमें उन्होंने वन हेल्थ परिप्रेक्ष्य में सूक्ष्मजीवों की भूमिका, विशेष रूप से आंत माइक्रोफ्लोरा पर प्रकाश डाला। इसके पश्चात प्रो. यू. के. सरकार ने वैश्विक

आज से जैव विविधता, पर्यावरण, जीनोमिक्स जैसे कई मुद्दों पर मंथन

सागर @ पत्रिका: डॉ. हरिसिंह गौर विवि में स्कूल ऑफ बायोलॉजिकल साइंसेज के अंतर्गत प्राणी शास्त्र विभाग की इंटरनेशनल कॉन्फ्रेंस ऑन इंटीग्रेटेड बायोलॉजिकल रिसर्च 4 से 6 फरवरी तक होगी। इस तीन दिवसीय अंतरराष्ट्रीय सम्मेलन की संयोजक प्रो. श्वेता यादव होंगी। इसका उद्देश्य जैविक विज्ञान के विभिन्न क्षेत्रों में कार्यरत प्रख्यात वैज्ञानिकों, शिक्षाविदों, शोधकर्ताओं एवं युवा शोधार्थियों को एक साझा मंच पर लाना है। देश-विदेश से अनेक प्रतिष्ठित विशेषज्ञ सम्मेलन में भाग लेंगे और अपने शोध कार्यों को साझा करेंगे। प्रमुख वक्ताओं में प्रो. मेवा सिंह (लाइफ-लॉन्ग डिस्टिंग्विश्ड प्रोफेसर, यूनिवर्सिटी ऑफ मैसूर), प्रो. एसपी सिंह (कुलपति, कौशलया द स्किल यूनिवर्सिटी, अहमदाबाद), प्रो. अप्पा राव पोडिले (पूर्व कुलपति, यूनिवर्सिटी ऑफ हैदराबाद), डॉ. गुर पाइन्स (यूनिवर्सिटी ऑफ कोलोराडो बोल्डर, अमेरिका) व प्रो. यूके सरकार (पूर्व निदेशक, एनबीएफ जीआर, लखनऊ) शामिल हैं।

सागर। डॉ. हरिसिंह गौर विश्वविद्यालय के स्कूल ऑफ बायोलॉजिकल साइंसेज के अंतर्गत प्राणीशास्त्र विभाग द्वारा इंटरनेशनल कॉन्फ्रेंस ऑन इंटीग्रेटेड बायोलॉजिकल रिसर्च का आयोजन 4 से 6 फरवरी, 2026 तक किया जा रहा है। इस तीन दिवसीय अंतरराष्ट्रीय सम्मेलन की संयोजक प्रो. श्वेता यादव, विभागाध्यक्ष, प्राणीशास्त्र विभाग एवं निदेशक डीएचएसजीयू, सागर होंगी। इस अंतरराष्ट्रीय सम्मेलन का उद्देश्य जैविक विज्ञान के विभिन्न क्षेत्रों में कार्यरत प्रख्यात वैज्ञानिकों, शिक्षाविदों, शोधकर्ताओं एवं युवा शोधार्थियों को एक साझा मंच पर लाना है। देश-विदेश से अनेक प्रतिष्ठित विशेषज्ञ सम्मेलन में भाग लेंगे और अपने शोध कार्यों को साझा करेंगे। प्रमुख वक्ताओं में प्रो. मेवा सिंह (लाइफ-लॉन्ग डिस्टिंग्विश्ड प्रोफेसर, यूनिवर्सिटी ऑफ मैसूर), प्रो. एस. पी. सिंह प्रो. अप्पा राव पोडिले, डॉ. गुर पाइन्स तथा प्रो. यू. के. सरकार शामिल हैं। ये सभी विशेषज्ञ अपने-अपने जैविक अनुसंधान क्षेत्रों में किए गए कार्यों पर विस्तृत व्याख्यान प्रस्तुत करेंगे। सम्मेलन के दौरान कुल 52 इनवाइटेड लेक्चर्स, 46 पोस्टर प्रेजेंटेशन्स एवं 38 ओरल प्रेजेंटेशन्स दी जाएंगी, जिन्हें तीन पैरेलल टेक्निकल सेशन के माध्यम से अभिमंच सभागार एवं एमएमटीटीसी कक्षों में आयोजित किया जाएगा। कांफ्रेंस का मुख्य विषय एकीकृत जैविक अनुसंधान है, जो इस तथ्य पर बल देता है कि कोई भी कोशिका या जैविक प्रणाली अलग-थलग नहीं रहती। यह सम्मेलन प्राणी शास्त्र में एकीकृत एवं अंतःविषय अनुसंधान दृष्टिकोण को बढ़ावा देगा, जिसमें आणविक

संवाद

सागर

सागर, गुरुवार, 05 फरवरी 2026

विश्वविद्यालय में ICIBR-2026 तीन दिवसीय अंतरराष्ट्रीय कांफ्रेंस का उद्घाटन

विकसित भारत के लिए पर्यावरण, स्वास्थ्य एवं सतत विकास जैसे मुद्दों पर गहन शोध की आवश्यकता: कुलपति

प्रवेश संवाद

न दिवसीय इंटरनेशनल कॉन्फ्रेंस ऑन इंटीग्रेटेड बायोलॉजिकल रिसर्च (ICIBR-2026) का शुभारंभ कृष्णर कोश प्रवेश के सागर स्थित डॉ. हरिसिंह गौर विश्वविद्यालय (एक केंद्रीय विश्वविद्यालय) हुआ। इस सम्मेलन का आयोजन स्कूल ऑफ बायोलॉजिकल साइंसेज के प्राणीशास्त्र विभाग द्वारा किया जा रहा है। सम्मेलन में देश-विदेश से आए प्रतिष्ठित वैज्ञानिक, शिक्षाविद, शोधकर्ता सहभागी रहे। उद्घाटन सत्र अभिषेच सभागार में आयोजित जा गया, जिसकी शुरुआत पुष्प स्वागत के साथ हुई। विश्वविद्यालय के कुलपति प्रो. वाई. ए. ठाकुर, जो ICIBR-2026 के मुख्य अतिथि हैं, ने मंचासीन विशिष्ट अतिथियों व गणमान्य व्यक्तियों का अभिनंदन किया। अपने संबोधन में प्रो. ठाकुर ने पर्यावरण, स्वास्थ्य, सतत विकास एवं राष्ट्रीय विकास



का संदर्भ देते हुए उन्होंने उच्च शिक्षा एवं अनुसंधान में "कोशल प्रबंधन" के महत्व को रेखांकित किया। उन्होंने विभिन्न क्षेत्रों से आए प्रतिभागियों का स्वागत करते हुए विश्वास व्यक्त किया कि ICIBR-2026 भारत में एकीकृत जीवविज्ञान अनुसंधान को सुदृढ़ करने की दिशा में एक महत्वपूर्ण कदम सिद्ध होगा। उन्होंने सीएसआईआर, नामी (भोपाल चेंटर), यूजीसी, डीआरडीओ, महाराष्ट्र विज्ञान परिषद एवं अन्य सहयोगी संस्थाओं के प्रति आभार व्यक्त किया, जिनके सहयोग के बिना इस सम्मेलन का आयोजन संभव नहीं हो पाता। सम्मेलन की थीम एवं उद्देश्यों का परिचय देते हुए डॉ. शाश्वत सिंह ने ICIBR-2026 के वैज्ञानिक दायरे को रेखांकित किया। इस अवसर पर कई प्रतिष्ठित वैज्ञानिकों—डॉ. एस. पी. गोतम (पूर्व अध्यक्ष, केंद्रीय प्रदूषण नियंत्रण बोर्ड), प्रो. यू. के. सरकार (पूर्व निदेशक, NBFGR), प्रो. अप्पा राव (पूर्व कुलपति, हैदराबाद विश्वविद्यालय) तथा प्रो. ए. पी. सिंह (कुलपति, कौशलया — द स्किल यूनिवर्सिटी) ने अपने विचार साझा किए और जैव विविधता संरक्षण, पर्यावरण शासन तथा उच्च शिक्षा में सुधार जैसे विषय पर प्रकाश डाला। उद्घाटन सत्र का समापन अतिथि प्रो. मेवा सिंह के प्रेरणादायक संबोधन से हुआ, जिसमें उन्होंने नैतिक विज्ञान, दीर्घकालिक पारिस्थितिक संतुलन व उत्तरदायी ज्ञान-साझाकरण के महत्व पर बल दिया। सत्र के अंत में कुलपति प्रो. वाई. ए. ठाकुर ने प्रो. श्वेता यादव एवं उनकी टीम को इस अंतरराष्ट्रीय सम्मेलन के सफल आयोजन के लिए कर्माई दी। उन्होंने "नेत्र फेस्ट" के नारे के साथ सत्र का समापन किया तथा राष्ट्र की सुरक्षा एवं प्रगति के लिए "शांति और शास्त्र" (जैविक अनुसंधान और जैव हथियार) दोनों के महत्व को रेखांकित कर कार्यक्रम का समापन विद्यार्थियों द्वारा प्रस्तुत धन्यवाद ज्ञापन के साथ हुआ।

Media Coverage

विश्वविद्यालय: एकीकृत जैविक अनुसंधान पर मंथन, विशेषज्ञों ने प्रस्तुत किये शोध पत्र

कीट विज्ञान एवं प्रबंधन, कोशिका एवं आणविक जीवविज्ञान, बायोइन्फॉर्मेटिक्स, नैनोटेक्नोलॉजी तथा जीवन विज्ञान में स्टार्ट-अप्स जैसे विविध विषयों पर चर्चा

प्रवेश संवाद सागर

डॉक्टर हरीसिंह गौर विश्वविद्यालय सागर आयोजित तीन दिवसीय इंटरनेशनल रिसर्च ऑन इंटीग्रेटेड बायोलॉजिकल रिसर्च (ICIBR-2026) वर्तमान में जारी जिसमें जैविक विज्ञान के विभिन्न क्षेत्रों से वैज्ञानिक, शिक्षाविद एवं शोधकर्ता भाग ले रहे हैं। उद्घाटन सत्र के पश्चात सम्मेलन में मेवा सिंह एवं प्रो. एस. पी. सिंह द्वारा कीट विज्ञान पर व्याख्यान दिया गया। इसके साथ ही एन. जी. प्रसाद, प्रो. माधव प्रभु तथा जैस्मिन पुरुषोत्तमन सहित कई प्रतिष्ठित



वैज्ञानिकों ने कीनोट व्याख्यान प्रस्तुत किए। सम्मेलन के दौरान शोधकर्ताओं ने डोमोफिला में पीढ़ीगत प्रभाव तथा लेडी वोटल्स में कैनिबलिज्म जैसे विषयों पर

अपने शोध प्रस्तुत किए, जो वर्तमान जैविक अनुसंधान की गहराई एवं विविधता को दर्शाते हैं। युवा शोधार्थियों और विद्यार्थियों के कार्यों को प्रदर्शित करने वाला पोस्टर सत्र

भी आयोजित किया गया, जिससे शैक्षणिक सहभागिता और वैज्ञानिक संवाद को बढ़ावा मिला। सम्मेलन के दूसरे दिन की अकादमिक कार्यवाही की शुरुआत प्रो. अप्पा राव पोडिले के प्लेनरी व्याख्यान से हुई। जिसमें उन्होंने वन हेल्थ परिप्रेक्ष्य में सूक्ष्मजीवों की भूमिका, विशेष रूप से आंत माइक्रोफ्लोरा पर प्रकाश डाला। इसके पश्चात प्रो. यू. के. सरकार ने वैश्विक अर्थव्यवस्था में मछलियों एवं जलीय जीवों के योगदान पर अपना व्याख्यान दिया। इसके बाद आमंत्रित विशेषज्ञों द्वारा ज्ञानवर्धक कीनोट व्याख्यान प्रस्तुत किए गए। सम्मेलन के अंतर्गत जलीय विज्ञान, मत्स्य एवं

मत्स्यकी, न्यूरोसाइंस एवं एंडोक्रिनोल पारिस्थितिकी, टेक्सोनॉमी एवं सिस्टमैटिक्स जैसे विषयों पर समानांतर तकनीकी आयोजित किए गए। एमएमटीसी में आयोजित मौखिक सत्रों में विज्ञान एवं कीट प्रबंधन, कोशिका आणविक जीवविज्ञान, बायोइन्फॉर्मेटिक्स, नैनोटेक्नोलॉजी तथा जीवन विज्ञान में स्टार्ट-अप्स जैसे विविध विषयों पर चर्चा हुई। सम्मेलन समकालीन जैविक अनुसंधान अंतरविषयी संवाद, ज्ञान के आदान-प्रदान एवं सहयोग के लिए एक महत्वपूर्ण मंच के रूप में निरंतर कार्य कर रहा है।

पर्यावरण, स्वास्थ्य व विकास के मुद्दों पर शोध की जरूरत



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तीन दिवसीय इंटरनेशनल कॉन्फ्रेंस ऑन इंटीग्रेटेड बायोलॉजिकल रिसर्च का शुभारंभ बुधवार को डॉ. हरिसिंह गौर विश्वविद्यालय में हुआ। इस सम्मेलन का आयोजन स्कूल ऑफ बायोलॉजिकल साइंसेज के प्राणीशास्त्र विभाग द्वारा किया जा रहा है। सम्मेलन में देश-विदेश से

उद्घाटन सत्र अभिमंच सभागार में आयोजित किया गया। जिसकी शुरुआत पुष्प स्वागत के साथ हुई। विश्वविद्यालय के कुलपति प्रो. वाई. एस. ठाकुर, जो आईसीआईबीआर के मुख्य संरक्षक भी हैं, ने मंचासीन विशिष्ट अतिथियों एवं गणमान्य व्यक्तियों का अभिनंदन किया। प्रो. ठाकुर ने पर्यावरण

प्रकाश डाला। औपचारिक स्वागत भाषण देते हुए प्रो. श्वेता यादव, विभागाध्यक्ष, प्राणीशास्त्र विभाग ने कहा कि सूक्ष्मजीवों से लेकर प्राइमेट्स तक फैले एकीकृत जैविक अनुसंधान की आज के समय में अत्यंत आवश्यकता है, ताकि जटिल जैविक प्रणालियों को बेहतर ढंग से समझा जा

रेखांकित किया। उन्होंने विभिन्न क्षेत्रों से आए प्रतिभागियों का स्वागत करते हुए विश्वास व्यक्त किया कि भारत में एकीकृत जीवविज्ञान अनुसंधान को सुदृढ़ करने की दिशा में एक महत्वपूर्ण कदम सिद्ध होगा। उन्होंने सीएसआईआर, नासी, यूजीसी, डीआरडीओ, महाकोशल विज्ञान परिषद एवं अन्य सहयोगी संस्थाओं के प्रति आभार व्यक्त किया, जिनके सहयोग के बिना इस सम्मेलन का आयोजन संभव नहीं हो पाता। सम्मेलन की थीम एवं उद्देश्यों का परिचय देते हुए डॉ. शाश्वत सिंह ने 2026 के वैज्ञानिक दायरे को रेखांकित किया। इस अवसर पर कई प्रतिष्ठित वैज्ञानिकों डॉ. एस. पी. गौतम, प्रो. यू. के. सरकार, प्रो. अप्पा तथा प्रो. एस. पी. सिंह ने अपने विचार साझा

Media Coverage

विश्वविद्यालय में ICIBR-2026 तीन दिवसीय अंतर्राष्ट्रीय कांग्रेस का उद्घाटन

द्वंद्व बन्देलखण्ड

न दिवसीय इंटरनेशनल कॉन्फ्रेंस ग्रेटेड बायोलॉजिकल रिसर्च (ICIBR-2026) का शुभारंभ बुधवार देश के सागर स्थित डॉ. हरिसिंह विश्वविद्यालय (एक केंद्रीय विद्यालय) में हुआ। इस सम्मेलन का आयोजन स्कूल ऑफ बायोलॉजिकल विज्ञान प्राणीशास्त्र विभाग द्वारा किया गया। सम्मेलन में देश-विदेश से आए जीवविज्ञानी, पारिस्थितिकीविद, वैज्ञानिक, शिक्षाविद तथा युवा सहभागी रहे। उद्घाटन सत्र प्रभाग में आयोजित किया गया, शुरुआत पुष्प स्वागत के साथ हुई। इस अवसर पर कुलपति प्रो. वाई. एस. ठाकुर ने ICIBR-2026 के मुख्य



संरक्षक भी हैं, ने मंचासीन विशिष्ट अतिथियों एवं गणमान्य व्यक्तियों का अभिनंदन किया।

अपने संबोधन में प्रो. ठाकुर ने पर्यावरण, स्वास्थ्य, सतत विकास एवं राष्ट्रीय विकास से जुड़ी वर्तमान चुनौतियों के समाधान हेतु अंतरविषयक जैविक अनुसंधान के महत्व पर प्रकाश डाला। प्रो. श्वेता यादव ने विकसित भारत @2047

की परिकल्पना का उल्लेख करते हुए सतत विकास लक्ष्यों की प्राप्ति में जैविक विज्ञानों की भूमिका पर बल दिया। कुलपति प्रो. वाई. एस. ठाकुर के विचारों का संदर्भ देते हुए उन्होंने उच्च

शिक्षा एवं अनुसंधान में कौशल प्रबंधन के महत्व को रेखांकित किया। उन्होंने विभिन्न क्षेत्रों से आए प्रतिभागियों का स्वागत करते हुए विश्वास व्यक्त किया कि ICIBR-2026 भारत में एकीकृत जीवविज्ञान अनुसंधान को सुदृढ़ करने की दिशा में एक महत्वपूर्ण कदम सिद्ध होगा। उन्होंने सीएसआईआर, नासी (भोपाल चैप्टर), यूजीसी, डीआरडीओ, महाकोशल विज्ञान

परिषद एवं अन्य सहयोगी संस्थाओं का आभार व्यक्त किया। जिनके बिना इस सम्मेलन का आयोजन हो पाता। सम्मेलन की थीम एवं परिचय देते हुए डॉ. शाश्वत कच्छहफ-2026 के वैज्ञानिक रेखांकित किया। इस अवसर पर प्रतिष्ठित वैज्ञानिकों-डॉ. एस. (पूर्व अध्यक्ष, केंद्रीय प्रदूषण बोर्ड), प्रो. यू. के. सरकार (एन. डब्ल्यू.आई.), प्रो. अप्पा राव (एन. डब्ल्यू.आई.), प्रो. सिंह (कुलपति, कौशल विज्ञान युनिवर्सिटी) ने अपने विचार और जैव विविधता संरक्षण, शासन तथा उच्च शिक्षा में विषयों पर प्रकाश डाला।

मशीनीकरण से नवाचार कुछ देशों तक ही सीमित है: प्रो. एसपी सिंह



सागर@पत्रिका. डॉ. हरिसिंह गौर विश्वविद्यालय में बुधवार को तीन दिवसीय इंटरनेशनल कॉन्फ्रेंस ऑन ग्रेटेड बायोलॉजिकल रिसर्च कार्यक्रम शुरू हुआ। कुलपति प्रो. वाईएस ठाकुर ने कहा कि विकसित भारत के लिए पर्यावरण, स्वास्थ्य एवं सतत विकास जैसे मुद्दों पर गहन शोध की आवश्यकता है। मुख्य वक्ता कौशल्या द स्किल यूनिवर्सिटी अहमदाबाद के महानिदेशक प्रो. एसपी सिंह ने समकालीन वैश्विक परिवर्तन

जो औद्योगीकरण और मशीनीकरण से प्रेरित है, ने नवाचार को गति दी है, हालांकि ये प्रगति अभी भी कुछ देशों तक ही सीमित है। मैसूर विश्वविद्यालय की प्रो. मेवा सिंह ने अपनी टीम द्वारा विभिन्न आवासों और जीवों पर किए गए व्यापक अनुसंधानों का उल्लेख किया। उन्होंने बताया कि इन अध्ययनों के दौरान हजारों वर्ग किलोमीटर के अनछुए वनों में सर्वेक्षण कर बंदरों के आवास व व्यवहार का अध्ययन किया गया। आभार डॉ. स्मिता शुक्ला ने माना।

केंद्रीय विश्वविद्यालय में तीन दिवसीय अंतर्राष्ट्रीय कांग्रेस में बोले कुलपति पर्यावरण, स्वास्थ्य व विकास के मुद्दों पर शोध की जरूरत



स्वदेश संवाददाता सागर तीन दिवसीय इंटरनेशनल कॉन्फ्रेंस ऑन ग्रेटेड बायोलॉजिकल रिसर्च का शुभारंभ बुधवार को डॉ. हरिसिंह गौर विश्वविद्यालय में हुआ। इस सम्मेलन का आयोजन स्कूल ऑफ बायोलॉजिकल साइंसेज के प्राणीशास्त्र विभाग द्वारा किया जा रहा है। सम्मेलन में देश-विदेश से आए प्रतिष्ठित जीवविज्ञानी, पारिस्थितिकी विद, स्वास्थ्य वैज्ञानिक, शिक्षाविद तथा युवा शोधकर्ता सहभागी रहे।

उद्घाटन सत्र अभिमान सभागा में आयोजित किया गया। जिसकी शुरुआत पुष्प स्वागत के साथ हुई। विश्वविद्यालय के कुलपति प्रो. वाई. एस. ठाकुर, जो आईसीआईबीआर के मुख्य संरक्षक भी हैं, ने मंचासीन विशिष्ट अतिथियों एवं गणमान्य व्यक्तियों का अभिनंदन किया। प्रो. ठाकुर ने पर्यावरण, स्वास्थ्य, सतत विकास एवं राष्ट्रीय विकास से जुड़ी वर्तमान चुनौतियों के समाधान हेतु अंतरविषयक जैविक अनुसंधान के महत्व पर

प्रकाश डाला। औपचारिक स्वागत भाषण देते हुए प्रो. श्वेता यादव, विभागाध्यक्ष, प्राणीशास्त्र विभाग ने कहा कि सूक्ष्मजीवों से लेकर प्राइमेट्स तक फैले एकीकृत जैविक अनुसंधान की आज के समय में अत्यंत आवश्यकता है, ताकि जटिल जैविक प्रणालियों को बेहतर ढंग से समझा जा सके। कुलपति प्रो. वाई. एस. ठाकुर के विचारों का संदर्भ देते हुए उन्होंने उच्च शिक्षा एवं अनुसंधान में कौशल प्रबंधन के महत्व को

रेखांकित किया। उन्होंने विभिन्न क्षेत्रों से आए प्रतिभागियों का स्वागत करते हुए विश्वास व्यक्त किया कि भारत में एकीकृत जीवविज्ञान अनुसंधान को सुदृढ़ करने की दिशा में एक महत्वपूर्ण कदम सिद्ध होगा। उन्होंने सीएसआईआर, नासी, यूजीसी, डीआरडीओ, महाकोशल विज्ञान परिषद एवं अन्य सहयोगी संस्थाओं के प्रति आभार व्यक्त किया जिनके सहयोग के बिना इस सम्मेलन का आयोजन संभव नहीं हो पाता। सम्मेलन की थीम एवं उद्देश्यों का परिचय देते हुए डॉ. शाश्वत सिंह ने 2026 के वैज्ञानिक दायरे को रेखांकित किया। इस अवसर पर कई प्रतिष्ठित वैज्ञानिक डॉ. एस. पी. गौतम, प्रो. यू. के. सरकार, प्रो. अप्पा तथा प्रो. एस. पी. सिंह ने अपने विचार साझा किए और जैव विविधता संरक्षण पर्यावरणीय शासन तथा उच्च शिक्षा में सुधार जैसे विषयों पर प्रकाश डाला।

Way Forward

ICIBR 2026 has laid a strong foundation for advancing integrative and interdisciplinary biological research through meaningful scientific exchange and collaboration. Moving forward, the conference aims to strengthen national and international research networks, foster collaborative projects, and encourage joint publications among participating institutions.

Greater emphasis will be placed on multidisciplinary training, skill-based learning, and exposure to emerging tools such as genomics, bioinformatics, AI, and molecular techniques to enhance student employability and research competence. The conference also envisions expanding international participation, industry–academia partnerships, and translational research initiatives aligned with sustainable development goals.

“During the deliberations, a significant suggestion was put forward to establish a School of Integrated Biological Sciences/Research in the University, with the objective of promoting interdisciplinary research and strengthening academic collaboration in emerging areas of biological sciences.”

Future editions of ICIBR will continue to provide dedicated platforms for young researchers and women scientists, promote innovation-driven research, and facilitate policy-relevant discussions addressing environmental, biomedical, and ecological challenges. Through sustained academic engagement and institutional cooperation, ICIBR aspires to evolve into a globally recognized forum for integrative biological sciences.

Conference Website

Website
www.icibr2026.in



ICIBR-2026

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International Conference on Integrated Biological Research

ICIBR-2026

February 4 – 6, 2026

Dr. Harisingh Gour Vishwavidyalaya (A Central University), Sagar (M.P.), India

"Advancing Multidisciplinary Biological Research for Sustainable Development"

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Nearby Attractions in Sagar



Garhpehra Temple

Garhpehra Temple, also known as Old Sagar, was once the capital of the Dangi



Eran

Eran, situated at the confluence of the Bina and Reuta rivers, about six miles



Rahatgarh (Bhalkund) Falls

Rahatgarh (Bhalkund) Falls - Located about 40 km from Sagar on the Sagar-

Conference Brochure

INVITATION



Dear Sir/Madam,
We are pleased to invite you to the International Conference on Integrated Biological Research (ICIBR-2026), organized by the Department of Zoology, Dr. Harisingh Gour Vishwavidyalaya, Sagar (M.P.), India. The conference aims to unite researchers and professionals in biological sciences to share ideas, foster collaborations, and explore innovations in integrated research. We look forward to your participation in this enriching scientific event.

IMPORTANT DATES



Last date of Registration & Abstract submission -
20/01/2026



Registration link:
<https://forms.gle/DrMpSFoQUUTSA1Wk9>



VENUE

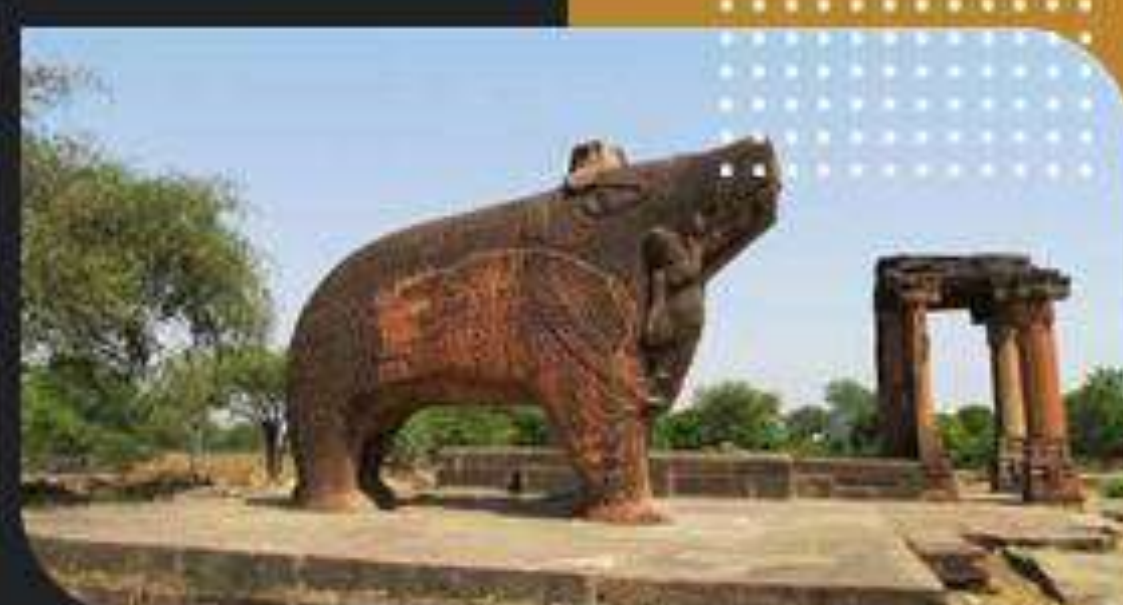


Department of Zoology, School of Biological Sciences,
Dr. Harisingh Gour Vishwavidyalaya
(A Central University),
Sagar, Madhya Pradesh, India

AWARDS



Young Scientist Award
Best Oral and Poster Presentation Award



Sagar

Sagar, known as the Heart of Undivided India, is a scenic city on the Vindhya Range, about 182 km northeast of Bhopal. Centered around a beautiful lake, it blends natural beauty with cultural heritage and is part of India's Smart Cities Mission. With attractions like Garhpehra Temple, Rahatgarh Waterfall, Nauradehi Wildlife Sanctuary, and Eran, Sagar harmoniously combines history, nature, and modern development.

Dr. Harisingh Gour Vishwavidyalaya

Established in 1946 by Dr. Sir Hari Singh Gour, Dr. Harisingh Gour Vishwavidyalaya is the oldest and 18th university of India, elevated to a Central University in 2009. With 36 departments, 11 schools, and 19 affiliated colleges, it is known for academic excellence, rich research output, and well-equipped facilities like its renowned botanical gardens and central library. Guided by its founder's vision, the university continues to promote learning and innovation in a vibrant academic environment.

Department of Zoology

The Department of Zoology, one of the pioneer departments of Dr. Harisingh Gour Vishwavidyalaya, began with the establishment of the university itself on July 18, 1946. The founder Vice Chancellor, Dr. Harisingh Gour, invited Dr. D. S. Shrivastava from Agra University to establish the department, laying a strong foundation for excellence in zoological studies. Since then, the department has evolved into a centre of advanced teaching and research, fostering collaborations with premier institutes. With a team of highly qualified faculty, it continues to pursue cutting-edge research in fields such as biochemistry, endocrinology, molecular biology, neurobiology, and taxonomy.

Contact Us

Email: icibrfeb2026@gmail.com
Phone: +918982369325, +919906439049;
+91 7376013843; +91-9936439419



Dr. Harisingh Gour Vishwavidyalaya,
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In Collaboration with

Mahakoshal Vigyan Parishad

**International Conference on
Integrated Biological Research
(ICIBR-2026)**

*"Advancing Multidisciplinary Biological
Research for Sustainable Development"*

February 4-6, 2026



Organized by
Department of Zoology

In Association with DoRD & IQAC

Dr. Harisingh Gour Vishwavidyalaya,
Sagar, M.P., India



Anusandhan
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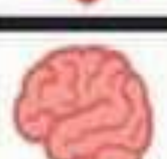
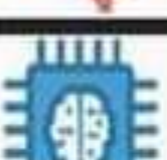


Conference Brochure (Contd.)

About the conference

The International Conference aims to foster collaboration and innovation across biological and allied sciences to address ecological challenges. Bringing together experts, scholars, and policymakers, it will explore solutions in biotechnology, biodiversity, health, and sustainability. In line with Viksit Bharat 2047, the event envisions a sustainable and scientifically empowered future.

Conference themes

	Taxonomy & Systematics		Agriculture and Animal Husbandry
	Biodiversity, Management and Conservation		Environment, Ecology, Evolution and Behavior
	Aquatic Sciences & Fisheries		Plant Biology and Nanotechnology
	Molecular & Cellular Biology		Human Health and Welfare
	Insect Science & Pest Management		Neuroscience, Endocrinology & Chronobiology
	Parasitology & Microbiology		Bioinformatics & Artificial Intelligence

Guidelines for Abstract submission

- Abstract must be based on original research and written in English (max. 250 words).
- Include objectives, methods, results, and inferences clearly.
- Mark corresponding author with (*) and presenting author with (#).
- Format: Times New Roman, Font Size 12, Line Spacing 1.5, Justified.
- Send abstract to icibrfeb2026@gmail.com.
- Last date for abstract submission: 30 November 2025.
- Poster dimensions should be 3 ft (W) × 4 ft (H).
- Ensure that fonts and text are clear and easily readable.

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Indian Delegates/Faculty	Rs. 4500/-
Research Scholars	Rs. 3000/-
Students	Rs. 2000/-
Foreign Delegates	USD\$250
Accompanying Member with Indian Delegates	Rs. 3000/-
Accompanying Member with Foreign Delegates	USD\$200

Note: No spot registration is allowed.

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Prof. Deepak Vyas, Sagar
Dr. Sunil Kumar Rai, USA
Dr. C.P. Upadhaya, Sagar

Invited Speakers

Prof. Samuel W. James, University of Iowa, USA
Prof. Ally Harari, ARO, Volcani Institute, Israel
Prof. Appa Rao, University of Hyderabad, Hyderabad
Prof. Mewa Singh, University of Mysore, Mysuru,
Prof. S. P. Singh, Ahmedabad, Kaushalya-The Skill University, Ahmedabad
Prof. B. D. Joshi, Gurukul Kangri University, Haridwar
Prof. Atanu Kumar Pati, Bhubaneswar
Prof. Omkar, University of Lucknow, Lucknow
Prof. Amitabh Joshi, JNCASR, Bangalore
Dr. Roy Kaspi, ARO, Volcani Institute, Israel
Prof. N.G. Prasad, IISER, Mohali
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Prof. Geetanjali Mishra, University of Lucknow, Lucknow
Prof. Himender Bharti, Punjabi University, Patiala, Punjab
Prof. Chandna Haldar, BHU, Varanasi
Prof. U.C. Rai, Jammu University, Jammu & Kashmir
Prof. U.K. Sarkar, Former Director, NBFGR, Lucknow
Prof. K.K. Sharma, University of Jammu
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Prof. Praveen Kumar Verma, JNU, New Delhi
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Prof. Shivesh Pratap Singh, Principal, PM College of Excellence, Satna
Dr. Neeraj Kumar, NASI, Prayagraj
Dr. Dayaram Bhushal, Tribhuvan University, Kathmandu, Nepal
Dr. Anjum Rizvi, ZSI, Kolkata

Conference Flyer



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In Collaboration with
Mahakoshal Vigyan Parishad

INTERNATIONAL CONFERENCE ON INTEGRATED BIOLOGICAL RESEARCH



Advancing Multidisciplinary Biological Research for Sustainable Development

February 4-6, 2026

Organized by
Department of Zoology
In Association with DoRD & IQAC
Dr. Harisingh Gour Vishwavidyalaya
(A Central University)
Sagar, M.P., India



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Prof. Shweta Yadav
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The abstract should clearly include the objectives, methods, results, and inferences.
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Poster dimensions should be 3 ft (W) × 4 ft (H).
Submission: Send abstracts to icibrfeb2026@gmail.com; website: <https://icibr2026.in/>
Deadline: 20 January 2026.

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Conference Banner

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INTERNATIONAL CONFERENCE
ON
INTEGRATED BIOLOGICAL RESEARCH
4th - 6th February, 2026

"Advancing Multidisciplinary Biological Research for Sustainable Development"

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WELCOME

**INTEGRATED BIOLOGICAL RESEARCH
(ICIBR-2026)**
4th - 6th February, 2026

				
Prof. Mewa Singh	Prof. S. P. Singh	Prof. Appa Rao	Prof. U. K. Sarkar	Prof. Chandna Haldar
				
Prof. Ishan Patro	Prof. Ragini Gothalwal	Prof. N. G. Prasad	Prof. Geetanjali Mishra	Prof. Veena Batra Kushwaha
				
Prof. Himender Bharti	Prof. S. K. De	Dr. Gur Pines	Dr. Roy Kaspi	Dr. S. P. Gautam
				
Dr. Niraj Kumar	Prof. Madhav Prabhu	Prof. Keshav Singh	Prof. Shivesh Pratap Singh	Dr. Anjum Rizvi
				
Dr. Jasmine Purushothaman	Dr. Iqbal Khan	Dr. S. Rajpurohit	Prof. Ojit K. Singh Mangalambam	Dr. Deo Prakash
				
Dr. Sandeep Kushwaha				

Programme Schedule

Programme Schedule

Organized by: *Department of Zoology, School of Biological Sciences*

Venue: Doctor Harisingh Gour Vishwavidyalaya (A Central University), Sagar, M.P., India

Dates: February 4–6, 2026

DAY 1-February 4, 2026 (Wednesday)

Inaugural Ceremony

Venue: Abhimanch Sabhagar

Time: 9:30-11:15 AM

• Welcome Address: Prof. Shweta Yadav , Head, Department of Zoology & Biotechnology, Convener, ICIBR	05 Min
• Introduction of the Conference: Dr. Shashwat Singh , Co-Convener, ICIBR	05 Min
• Address by Dean, School of Biological Science: Prof. Versha Sharma , Patron, ICIBR	05 Min
• Introduction of the Guests: Dr. Sandeep Kumar , Organizing Secretary, ICIBR	05 Min
• Address by Guest of Honour: Dr. S.P. Gautam , President, Vigyan Bharti Mahakoshal Prant and Former Chairperson, Central Pollution Board	10 Min
• Address by Guest of Honour: Prof. U. K. Sarkar , Former Director, NBFGR Lucknow	10 Min
• Address by Guest of Honour: Prof. Appa Rao , Former Vice-Chancellor, University of Hyderabad	10 Min
• Address by Guest of Honour: Prof. S. P. Singh , Vice-Chancellor, Kaushalya-the Skill University, Ahmedabad	10 Min
• Address by Chief Guest: Prof. Mewa Singh , Distinguished Professor (For life), University of Mysore	15 Min
• Address by Hon'ble Vice Chancellor: Prof. Y.S Thakur , Chief Patron, ICIBR	15 Min
• Vote of Thanks: Dr. Smita Shukla , Organizing Secretary, ICIBR	05 Min
• Performance by the students	10 Min

.....*High Tea*.....

Programme Schedule (Contd.)

venue: Abhimanch Sabhagar

- Plenary Talk 1: **Prof. Mewa Singh**, Life-Long Distinguished Professor, University of Mysore
 - Plenary Talk 2: **Prof. S. P. Singh**, Vice-Chancellor, Kaushalya-The Skill University, Ahmedabad
- Chair: **Prof. Subodh Kumar Jain**, Former Head, Department of Zoology, DHSGVV
Rapporteur: **Dr. Priyoneel Basu**, DHSGVV

..... **Lunch Break (1:15 to 2:15 PM)**.....

Oral Sessions I (Parallel Session) Time: 2:15-5:45 PM

Hall A (Abhimanch)	Hall B (MMTTC)	Hall C (MMTTC)
Session 1 Ecological Sciences and Evolutionary Biology	Session 2 Environmental Science Microbiology & Stress Biology	Session 3 Human Health & Welfare
Keynote 1: (2:15-2:45 PM) Prof. N. G. Prasad, IISER, Mohali Title: <i>Transgenerational effects of parental infection in Drosophila</i> IL-1: (2:45-3:05 PM) Dr. Ashish Shivam Mishra, NGBU, Prayagraj Title: <i>Benthic macroinvertebrate community in the rivers of Vindhyan region</i> IL-2: (3:05-3:25 PM) Dr. Tripti Yadav, University of Lucknow Title: <i>Is cannibalism a survival strategy or an evolutionarily stable behaviour?</i>	Keynote 2: (2:15-2:45 PM) Prof. Ragini Gothwal, Baraktullah University, Bhopal Title: <i>"Ecoremediation of religious waste by versatile native microbial consortia"</i> Keynote 3: (2:45-3:05 PM) Dr. Jasmine Purushothaman, ZSI, Kolkata Title: <i>Eukaryotic Microbial Communities-Non-Celebrated Rulers in Freshwater and Terrestrial Ecosystems</i> IL-3: (3:05-3:25 PM) Dr. Rahul Kanwar Singh, HNGBU (3:05-3:25 PM) Title: <i>Cyanobacterization- a potential technique to enhance the yield of medicinal herbs</i> IL-4: (3:25-3:45 PM) Dr. Divya Bartaria, United Group of Institutes, Prayagraj Title: <i>"Integrative Functional Medicine Strategies for Modulating Oxidative Stress, Inflammation, and Cellular Senescence in Autoimmune and Age-Related Disorders"</i>	Keynote 4: (2:15-2:45 PM) Prof. Madhav Prabhu, JLN Hospital, Karnataka Title: <i>Evolution of Circadian Rhythm, Role of Melatonin in the Development of Metabolic Syndrome: Is There a Link We Are Missing?</i> IL-5: (2:45-3:05PM) Dr. Suchit Swaroop, University of Lucknow Title: <i>"Molecular Pathways Linking Obstructive Sleep Apnea and Coronary Artery Disease: Focus on HIF1A, CLOCK, and ADIPOQ"</i> IL-6: (3:05-3:25PM) Dr. A. Wani, University of Jammu Title: <i>Tuberculosis a major risk to global health, Study and Knowledge in district Doda along with Challenges and Status with special reference to Jammu and Kashmir</i> IL-7: (3:25-3:45 PM) Dr Akash Gautam, University of Hyderabad Title: <i>Remodeling of brain renin-angiotensin signaling impairs memory: evidence from rodent model of diabetes</i> IL-8: (3:45-4:05PM) Dr. Sumit Kumar Hira, University of Burdwan Title: <i>"Hypoxia-Induced Cellular Senescence in Human Endothelial Cells"</i>

Programme Schedule (Contd.)

		Cell Crosstalk and Metabolic Reprogramming to Overcome Immunotherapy Resistance in Colorectal Cancer"
Students' Oral Presentations (3:45 – 5:45 PM)		
Chair: Prof. Geetanjali Mishra , LU Co-Chair: Dr Subhash Raj Purohit , Ahmedabad University Rapporteur: Dr. Bhupendra Kumar , BHU	Chair: Prof. Naveen Kango , DHSGVV CO-Chair: Dr. Reshma Sinha , Central University of Himachal Pradesh Rapporteur: Dr. Archita Yadav , LU	Chair: Prof. Ragini Gothwal , BU/Prof. U.K. Patil , DHSGVV Rapporteur: Dr. Soumik Goswami , Sunbeam Women's College, Varanasi

.....**Tea Break (6:00–6:15 PM)**.....

Poster Session I (6:15–7:15 PM)

Dinner (7:30–8:00 PM)

Chair: **Prof. Mewa Singh**, Life-Long Distinguished Professor, University of Mysore
Rapporteur: **Dr. Kashmeera N.A.**, DHSGVV

.....**Tea Break (11:15-11:30 AM)**.....

Oral Session II (Parallel Session) Time: 11:30 AM -2:00 PM

Hall A (Abhimanch)	Hall B (MMTTC)	Hall C (MMTTC)
Session 4 Aquatic Sciences, Fish and Fisheries	Session 5 Neuroscience & Endocrinology	Session 6 Taxonomy & Systematics
Keynote 5: (11:30-12:15 PM) Prof. S. K. De , Vidyasagar University, Midnapore, West Bengal Title: <i>Thymic Ecology and Glandular Protection of Fish, Anabas Testudineus (Bloch, 1792): A Climbing Perch of South East Asia</i>	Keynote 7: (11:30-12:15 PM) Dr. Ishan Patro , Jiwaji University, Gwalior Title: <i>Addressing the maxim "there is no health without mental health"</i>	Keynote 9: (11:30-12:15 PM) Prof. Himender Bharti , Punjabi University, Patiala Title: <i>From Linnaeus to Phylogenetics: The Evolution of Systematic Biology</i>
Keynote 6: (12:15-12:45 PM) Dr. Iqbal Khan , Jhansi University Title: <i>Blue transformation: Aquaculture beyond production and marketing</i>	Keynote 8: (12:15-12:45 PM) Prof. Shivesh Pratap Singh , PM Excellence College, Stana Title: <i>Eco-Behavioral Study of Highly Provisioned Focal Troops of Rhesus Macaque in Chitrakoot (M.P.)</i>	Keynote 10: (12:15-12:45 PM) Dr. Anjum Rizvi , ZSI, Kolkata Title: <i>Soil Nematode: Useful Tool for The Biological Monitoring of Soil Ecosystems</i>
IL-9: (12:45-1:05 PM) Dr. Vinay Kumar Singh , CMP Degree College, University of Allahabad Title: <i>Expression and localization of Nitric Oxide Synthase in the ovary of catfish and its putative role in steroid production</i>	IL-11: (12:45-1:05 PM) Dr. Nisha Patro , Jiwaji University, Gwalior Title: <i>Maternal protein malnutrition and neurodevelopmental disorders</i>	IL-13: (12:45-1:05 PM) Dr. Tuneera Bhadauria , Babu J.S. Gaya Prasad P.G College, (CSJM University Kanpur) Sumerpur, Unnao, UP Title: <i>Habitat Degradation and Land Use Change Impacts on Earthworm Biogeography and Functional Diversity in Raebareli, Uttar Pradesh, India</i>
IL-10: (1:05-1:25 PM) Dr. Jyoti Verma , University of Allahabad	IL-12: (1:05-01:25 PM) Dr. Soumik Goswami , Sunbeam Women's College, Varanasi Title: <i>"Beyond Sunlight: A Protective Crosstalk between</i>	IL-14: (1:05-1:25 PM) Dr. Pooja Kumari , DS College, Aligarh Title: <i>Glycoprotein Composition and Salinity-Induced Changes in Gill Mucous Cells of Channid Fishes</i>

Programme Schedule (Contd.)

Rapporteur: **Dr. Shashank K. Maurya**, DU

Rapporteur: **Dr. Akhilendra Kumar Maurya**, BHU

.....**Lunch Break (2:10–2:45 PM)**.....

Oral Session III (Parallel Session) Time: 02:45-05:45 PM

Hall A (Abhimanch)	Hall B (MMTTC)	Hall C (MMTTC)
Special Session 7 Insect Science & Pest Management	Special Session 8 Cell & Molecular Biology	Session 9 Bioinformatics, Nanotechnology & Startups in Life Science
Keynote 11: (2:45-3:15 PM) Prof. Geetanjali Mishra, University of Lucknow Title: <i>The regeneration puzzle: What ladybird beetles teach us about it?</i> Keynote 12: (3:15-3:45 PM) Dr. Roy Kaspi ARO, Volcani Institute, Israel Title: <i>Biological Control: Past, Present, and Future</i> IL-15: (3:45-4:05 PM) Dr. Bhupendra Kumar, BHU, Varanasi Title: <i>"Temperature-Driven Survival Strategies in Parthenium Beetles"</i> IL-16: (4:05-4:25 PM) Archana Anokhe, ICAR Jabalpur Title: <i>Sustainable Management Strategies for Invasive Weeds with Emphasis on Biological Control</i> IL-17: (4:25-4:45 PM) Dr. Animesha Rath, Hebrew University of Jerusalem, Israel Title: <i>Spiroplasma induced Cytoplasmic Incompatibility in the parasitoid Lariophagus distinguendus: Effects of symbiont density, wasp development and reintroduction</i>	Keynote 13: (2:45-3:15 PM) Dr. Niraj Kumar, Former Ex. Sec., NASI Title: <i>A Marriage between Nutritional Adaptation Theory and Dogma of Biogeogens, is the Solution of Holistic Care of Human Health"</i> Keynote 14: (3:15-3:45 PM) Dr Subhash RajPurohit, Ahmedabad University Title: <i>Pigmentation at the Interface of Genetics and Adaptation</i> IL-18: (3:45-4:05 PM) Dr. K. K. Soni, Barkatullah University Title: <i>Deoxylimonin derived from Clitoria ternatea (L) extract's fraction CT-3 reduces LTC-4, COX-2 and IL-6 in inflammatory models of Wistar albino rats Rattus norvegicus</i> IL-19: (4:05-4:25 PM) Dr. Shashank K. Maurya, DU Title: <i>Olfml3 and Tmem119 could be new players in the regulation of neuroinflammation</i> IL-20: (4:25-4:45 PM) Dr. Altaf. Shaik, NIH, Maryland, USA Title: <i>A Bifunctional Antibody Conjugate for Marking the Location of DNA Binding Proteins on DNA Fibers</i>	Keynote 15: (2:45-3:15 PM) Dr. Deoprasad Chaturvedi, DBT Title: <i>"Building India's Biomedical Research Ecosystem: From Capacity Building to Research Excellence"</i> IL-21: (3:15-3:35 PM) Dr. Amrita Yadav, Dr. Shakuntala Misra National Rehabilitation University Title: <i>Nature-Inspired Algorithms in Healthcare: AI-Driven Approaches for Intelligent Decision-Making</i> IL-22: (3:35-3:55 PM) Dr. Akhilendra Kumar Maurya, BHU Title: <i>Harnessing Phytochemicals for CRC Chemoprevention: Mechanistic Insights into Gut Microbiota Modulation</i> IL-23: (3:55-4:15 PM) Dr. Preeti Sharma, Shmunis School of Biomedicine and Cancer Research, Tel Aviv University, Israel Title: <i>Engineering LNPs for Vaccines: Lipid Design Drives Immune Activation</i>
Students' Oral Presentations (4:45 – 5:45 PM)		

Programme Schedule

(Contd.)

Co-Chair: Dr. V.P. Semwal , Govt. PG. College Tehri Garhwal Rapporteur: Dr. Pooja Kumari , DS College, Aligarh	DBI, New Delhi Rapporteur: Dr. Dikshi Angira , DHSGVV	University Rapporteur: Dr. Sumit Hira , University of Burdwan
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Poster Session II with Tea
(5:45–06:30 PM)

Cultural Program and Dinner
(Venue: Abhimanch Sabhagar, Time: 7:00 PM 9:30 PM)

DAY 3- February 6, 2025 (Friday)

Plenary Session III
Venue: Abhimanch Sabhagar
Time: 9:30–11:00 AM

- Plenary Talk 5: **Dr. Gur Pines**, University of Colorado, Boulder
 - Plenary Talk 6: **Prof. Chandana Haldar**, Former Director, Inst. of Science, BHU
- Chair: **Prof. U. K. Sarkar**, Former Director, NBFGR, Lucknow
Rapporteur: **Dr. Brajesh Kumar Maurya**, DHSGVV

.....*Tea Break* (11:11-11:15 AM).....

Oral Session IV (Parallel Session)
(11:15 AM -2:30 PM)

Hall A (Abhimanch)	Hall B (MMTTC)
Session 10 Women in Science	Session 11 Biodiversity Conservation and Management
Keynote 16: (11:15-11:40 AM) Prof. Veena Batra Kushwaha , DDU, Gorakhpur Title: <i>Plant Phytochemicals in Redox Homeostasis: Mechanistic Insights into Protection Against Food Additive Induced Oxidative Stress</i>	Keynote 17: (11:15-11:40 AM) Prof. Ojit Kumar Singh , Delhi University Title: <i>Lepidopteran Diversity and Behavioural Responses in a Restoring Urban Wetland of Delhi</i>
IL-24: (11:40-12:00 PM) Dr. Reshma Sinha , Central University of Himachal Pradesh Title: <i>Emerging Contaminants: Microplastics and PCPs Risks in Freshwater Systems</i>	Keynote 18: (11:40-12:05 PM) Prof. Keshav Singh , Gorakhpur University Title: <i>Biological Waste Management through Vermicomposting</i>
IL-25: (12:20-12:40 PM) Dr. Arjita Yadav , University of Lucknow Title: <i>Time, Task, and Tiredness: Sleep Health in Police Personnel</i>	IL-27: (12:05-12:25 PM) Dr. Shivangi Mishra , University of Calgary Title: <i>Conservation Beyond Borders: A Cross-Continental Perspective</i>
IL-26: (12:40-01:00 PM) Dr. Priya Pradhan , BCS, Govt. PG College, Dhamtari, CG Title: <i>Functional characterization of the RbWRKY70 promoter regulating rose petal abscission</i>	IL-28: (12:25-12:55 PM) Dr. V. P. Semwal , Govt. PG. College Tehri Garhwal Title: <i>Aquatic Biodiversity Conservation in the Himalayan River System in Uttarakhand</i>

Programme Schedule (Contd.)

Venue: Abhimanch Sabhagar

Time: 3:00 PM–5:00 PM

- Panel Discussion
- Summary of Conference Proceedings: By **Dr. Raj Kumar Koiri**
- Feedback
- Award Ceremony: Best Poster, Oral, Women Scientist and Young Scientist Awards
- Vote of Thanks: By **Dr. Shashwat Singh**

Summary

1. Plenary Lecture: 6
2. Keynote Lecture: 18
3. Invited Lecture: 28
4. Student Oral Presentation: 38
5. Student Poster Presentation: 46

Student Oral Presentations Schedule

International Conference on Integrated Biological Research (ICIBR-2026)

Organized by: Department of Zoology, School of Biological Sciences

Venue: Doctor Harisingh Gour Vishwavidyalaya (A Central University), Sagar, M.P., India

Dates: February 4–6, 2026

DAY 1- February 4, 2026 (Wednesday)

Student Oral Presentations

Oral Session I

Session 1 Ecology, Ecotoxicology & Evolutionary Biology	Session 2 Environmental Science Microbiology & Stress Biology	Session 3 Human Health & Welfare
Hall A (Abhimanch)	Hall B (MMTTC)	Hall C (MMTTC)
Time-3:45-5:45 PM	Time-3:45-5:45 PM	Time-4:05-4:50 PM
OP-1: 15 min Pawan Yadav Title: <i>Multimodal Communication in Ants</i> OP-2: 15 min Rohit Chand Kabidayal Title: <i>A Convenient and effective Atropine Sulphate Nasal Formulations against Organophosphate Toxicity</i> OP-3: 15 min Sanjeev Kumar Title: <i>The Hidden Costs of Regeneration in Ladybird Beetles</i> OP-4: 15 min Jitendra Title: <i>Assessment of Functional Feeding Groups of Benthic Macroinvertebrates from the Bhagirathi River in Indian Himalaya</i>	OP-5: 15 min Ankita Dwivedi Title: <i>Cigarette Smoke Extract Accelerates Neurodegenerative Changes via Oxidative Stress: Neuroprotective Effects of Hesperetin in Adult Zebrafish</i> OP-6: 15 min Diksha Sharma Title: <i>Evaluation of therapeutic potential of extracellular vesicles derived from probiotic Lactobacillus strain</i> OP-7: 15 min Vineet Maurya Title: <i>Neurodevelopmental Consequences and Behavioural Dysregulation Following TBBPA-DHEE Exposure in Zebrafish</i>	OP-8: 15 min N.C Saxena Title: <i>Gestational Diabetes Mellitus and Future Cardiovascular Risk: Evidence from Maternal and Offspring Outcomes</i> OP-9: 15 min Anurag Namdev Title: <i>Human Health and Welfare: A Key to Sustainable Development</i> OP-10: 15 min Shashwat Singh Title: <i>Lifestyle Behaviours and Clinical Characteristics of Coronary Artery Disease Patients in a North India</i>
Chair: Prof. Geetanjali Mishra , LU Co-Chair: Dr. Subhash Raj Purohit , Ahmedabad University Rapporteur: Dr. Bhupendra Kumar , BHU	Chair: Prof. Naveen Kango , DHSGVV Co-Chair: Dr. Reshma Sinha , CUHP Rapporteur: Dr. Archita Yadav , LU	Chair: Prof. Ragini Gothwal , BU/ Prof. U.K. Patil , DHSGVV Rapporteur: Dr. Soumik Goswami , Sunbeam Women's College, Varanasi

Student Oral Presentations Schedule

Oral Session II

Session 4 Aquatic Sciences, Fish and Fisheries	Session 5 Neuroscience & Endocrinology	Session 6 Taxonomy & Systematics
Hall A (Abhimanch)	Hall B(MMTTC)	Hall C (MMTTC)
Time- 1:25–2:25 PM	Time- 1:25–2:10 PM	Time- 1:25–2:10 PM
OP-11: 15 min Raghvendra Niranjana Title: <i>Pathological, Hematological, and Ultrastructural Alterations Induced by Senga sp. (Cestoda) in Mastacembelus armatus</i> OP-12: 15 min Hitendra Sahu Title: <i>Do Sacred River Sections Safeguard Ichthyofauna? A systematic review from Selected Central Indian Rivers</i> OP-13: 15 min Aman Prakash Title: <i>Investigating the Developmental, Behavioural and Molecular Response of the sea urchin larvae to Food Availability</i> OP-14: 15 min Raksha Khangar Title: <i>Present status of ecosystem health of the central Indian waters: A systematic review and implications for conservation framework</i>	OP-15: 15 min Rishika Tiwari Title: <i>Social Isolation Reorganizes Motivational Hierarchies Through Oxytocin-Dependent Frontal Theta Oscillations in Corticostriatal Circuits in rats</i> OP-16: 15 min Sneha Bibyan Title: <i>Soy Isoflavone Genistein Mitigates Phthalate-Induced Neurodegeneration in Zebrafish Models</i> OP-17: 15 min Aamir Khan Title: <i>Synbiotic-Induced Immuno-Endocrine Regulation of Testicular Function in Adult Male Japanese Quail</i>	OP-18: 15 min Avnish Kumar Title: <i>Discovery of Endemic Earthworm Genus Perionyx Perrier, 1872 (Oligochaeta: Megascolecidae) Species Reveals Sikkim as a Natural Hub within Indian Organic Farming Systems</i> OP-19: 15 min Dr. Kiran Singh Title: <i>GC–MS metabolomics and multi-level biomarkers reveal oxidative stress and metabolic disruption in earthworms exposed to LDPE microplastics</i> OP-20: 15 min Garima Stephen Title: <i>Assessing Soil Fauna Response to Polyurethane Microplastics using Earthworm as Bioindicator</i>
Chair: Prof. U. K. Sarkar , Former Director, NBFGR, Lucknow Co-Chair: Dr. Payal Mahobiya , DHSGVV Rapporteur: Dr. Tripti Yadav , LU	Chair: Prof. Chandana Haldar , BHU Co-Chair: Dr. Malabika Sikdar , DHSGVV Rapporteur: Dr. Shashank K. Maurya , DU	Chair: Prof M. Ojit , Delhi University Co-Chair: Dr. Ashish Shivam Mishra , NGBU Rapporteur: Dr. Akhilendra Kumar Maurya , BHU

Student Oral Presentations Schedule

Student Oral Presentations

Oral Session III

Special session 7 Insect Science & Pest Management	Special session 8 Cell & molecular biology	Session 9 Bioinformatics, Nanotechnology & Startups in Life Science
HALL A (Abhimanch)	HALL B (MMTTC)	HALL C (MMTTC)
Time- 4:45–5:45 PM	Time-4:45–5:45 PM	Time-4:45–5:45 PM
OP-21: 15 min Dr. Shriza Rai Title: <i>How Costly Is Losing a Leg for a Predator: Cheilomenes sexmaculata Fabricius (Coccinellidae)</i> OP-22: 15 min Janhiphula Kanhar Title: <i>Circadian Patterns in Pendent Cocoon Construction and FESEM-Based Surface Analysis of Bagworm Silk</i> OP-23: 15 min Tamal Das Title: <i>Assessment of rearing performance in the multivoltine Nistari race of the mulberry silkworm, Bombyx mori L. under thermal stress conditions</i> OP-24: 15 min Neelima Tiwari Title: <i>Phytopesticidal Efficacy of p-Coumaric acid derived from Blumea eriantha (L) extract purified fraction BE-1 against stored grain pest Rice Weevil Sitophilus oryzae (L)</i>	OP-25: 15 min Divya Jyoti Title: <i>Beyond Bioaccumulation: PET Micro-Fragments Drive Liver Dysfunction via Gut–Liver Axis Signaling</i> OP-26: 15 min Siddharth Rajput Title: <i>MC-LR-induced alterations in the unfolded protein response pathway in mice and the ameliorative effects of coenzyme Q10</i> OP-27: 15 min Bhupendra Singh Title: <i>Tinospora cordifolia (Giloy) downregulates D-Galactose induced aging via AMPK- SIRT1 pathway in liver and testes of a mouse model</i>	OP-28: 15 min Praddum Kumar Namdev Title: <i>Systems-Level Insights into Agrochemical Impacts on Earthworms: Evidence from Metabolomic Meta-Analysis</i> OP-29: 15 min Shikha Upadhyay Title: <i>Integrated Multi-Biomarker Responses in Earthworm Coelomocytes: A comprehensive Meta-analysis</i> OP-30: 15 min Brijesh Prajapat Title: <i>Melatonin-Loaded Nanoparticles: A Preclinical Review for Better Osteoporosis Treatment</i>
Chair: Prof. N. G. Prasad, IISER, Mohali Co-Chair: Dr. V.P. Semwal, Govt. PG. College Tehri Garhwal Rapporteur: Dr. Pooja Kumari, DS College, Aligarh	Chair: Dr. C.P. Upadhyay, DHSGVV Co-Chair: Dr Deopraakash Chaturvedi, DBT Rapporteur: Dr. Dikshi Angira, DHSGVV	Chair: Dr. Raj Kumar Koiri, DHSGVV Co-Chair: Dr. A. Wani, Jammu University Rapporteur: Dr. Sumit Hira, University of Burdwan

Student Oral Presentations Schedule

Oral Session IV

Session 10 Women in Science	Session 11 Biodiversity Conservation and Management
HALL A (Abhimanch)	HALL C (MMTTC)
Time-1:15–2:15 PM	Time-1:15–2:15 PM
OP-31: 15 min Kainat Usmani Title: <i>Eugenol loaded Chitosan Nanoparticles in Allergic Airway Inflammation: Metabolomic Profiling and Pathway Regulation of NF-κB p65 and HDAC1 through In Vivo and In Silico Approaches</i> OP-32: 15 min Surbhi Chaurasia Title: <i>Thyro-Reproductive Dysfunction Induced by Cypermethrin: Assessing the Therapeutic Potential of Bacopa monnieri Extract in Swiss Albino Mice</i> OP-33: 15 min Anuradha Yadav Title: <i>Dia-Thor Assessment of Diatom Communities: Evaluating Ecological Health of Ken-Betwa River Linkage</i> OP-34: 15 min Preeti Tirkey Title: <i>Evaluation of the Therapeutic Potential of Thymoquinone (Nigella sativa) against Malathion-Induced Toxicity in the Freshwater Fish Labeo rohita (Hamilton, 1822)</i>	OP-35: 15 min Anupam Kumar Title: <i>Predicting the Invasion Potential of the Brazilian Earthworm Pontoscolex corethrurus Across India Through Species Distribution Modelling</i> OP-36: 15 min Aditya Kumar Chauhan Title: <i>Academic Campuses as Refuges for Urban Avian Diversity in Aligarh, India</i> OP-37: 15 min Jagriti Rai Title: <i>Diatom Diversity and Bioindication in Extremophile Hot Springs of Garhwal Himalaya</i> OP-38: 15 min Ekta Kumari Title: <i>Thermal regimes govern development and reproductive output in a biocontrol agent, ladybird beetles</i>
Chair: Prof. Asmita Gajbiye, DHSGVV Co-Chair: Dr. Deepali Jat, DHGVV Rapporteur: Dr. Jyoti Verma, University of Allahabad	Chair: Prof. Himender Bharti, Punjabi University Patiala Co-Chair: Dr. Tunira Bhadauria, Babu J.S. Gaya Prasad P.G College, (CSJM University Kanpur) Sumerpur, Unnao, Uttar Pradesh Rapporteur: Dr. Vinay Kumar Singh, CMP Degree College, University of Allahabad

Student Poster Presentations Schedule

STUDENTS POSTER PRESENTATION SCHEDULE

International Conference on Integrated Biological Research (ICIBR-2026)

Organized by: Department of Zoology, School of Biological Sciences

Venue: Doctor Harisingh Gour Vishwavidyalaya (A Central University), Sagar, M.P., India

Dates: February 4–6, 2026

DAY 1- February 4, 2026 (Wednesday)
Student Poster Presentations

S. No.	Presenter Name	Title
1)	Akhilesh Kumar Yadav	<i>Strengthening Adaptive Capacities of Fish-Farming Communities through Climate-Resilient Models.</i>
2)	Ankush Verma	<i>Isolation and Characterisation of Probiotic Lactic Acid Bacteria from Indigenous Cavity Nesting Honeybee, Apis cerana</i>
3)	Arif Patel	<i>Eco-Printing with Marigold Flowers: A Sustainable Approach to Natural Textile Printing</i>
4)	Ansh Pathak	<i>Lepidopteran Diversity and Behavioural Responses in a Restoring Urban Wetland of Delhi</i>
5)	Anuj Singh	<i>Assessment of Antioxidant Enzyme Alterations Induced by Metabolites of Paramyrothecium and Volutella in Rat Liver Tissue</i>
6)	Ashish Kumar Sahu	<i>Exploring Oscillatory Gene Expression in Euglena gracilis Using Integrated Bioinformatics and Experimental Analysis</i>
7)	Asutosh Kumar Nahak	<i>Zebrafish- A Vertebrate Paradigm in Neuroscience Research</i>
8)	Bhavya	<i>A Systematic Review on Helminthes Fauna of Fishes of Ganga River</i>
9)	Davinder	<i>Emerging Micropollutants in Aquatic Environment: Occurrence, Environmental Fate, Toxicity, and Mitigation Approaches</i>
10)	Deeksha Jattan	<i>Cue Driven Mating Dynamics in Ladybird Beetle, Cheilomenes sexmaculata (Fabricius)</i>
11)	Harshpreet Kaur	<i>Breast Cancer and the Immune System</i>
12)	Hemant Ahirwal	<i>Nattokinase as a Neuroprotective Representative in Brain Disorders</i>
13)	Janvi	<i>Pathogenesis of Human Papillomavirus (HPV) in Cervical Cancer and the Preventive Role of Vaccination</i>

Student Poster Presentations Schedule

DAY 2- February 5, 2026 (Thursday)

Student Poster Presentations

S. No.	Presenter Name	Title
14)	Kanika sharma	<i>Genetic enhancement of plant-based phytoremediation for lead contaminated soil</i>
15)	Khushi Sharma	<i>Endometriosis and Menstrual Distress: A synoptic study of Sagar city, Madhya Pradesh</i>
16)	Lalit Prajapati	<i>Prey species modulates the oviposition decision in the aphidophagous ladybird beetle, <i>Menochilus sexmaculatus</i></i>
17)	Lata Verma	<i>A Step Towards Breaking Seasonal Barriers: Artificial Diet Based Rearing of <i>Cheilomenes sexmaculata</i> and <i>Propylea dissecta</i></i>
18)	Mantu Meher	<i>Influence of Circadian Rhythms on Cognitive Performance in Urban and Rural Settings</i>
19)	Mohnish Singh	<i>Density-dependent selection in <i>Drosophila</i>: Amelioration of grandparental effects in hatching time</i>
20)	Neeraj Kapoor	<i>Genetic Polymorphism and Diversity in Earthworm Populations: A Molecular Marker-Based Study</i>
21)	Neeraj Kol	<i>Effects of Vibrational and Acoustic Stimuli on Earthworm Behavior</i>
22)	Pawan Kumar	<i>Is Lakha Banjara Lake in Sagar Ecologically Managed? A Review and Its Implications for Integrated Lake Management</i>
23)	Prakhar Kumar	<i>Density Estimates of Indian Leopards (<i>Panthera pardus fusca</i>) using Spatial Capture–Recapture Models in Gir Wildlife Sanctuary, Gujarat.</i>
24)	Princi Gupta	<i>Whispers of green: plant acoustics from perception to communication</i>
25)	Pritam Sharma	<i>Environmental and Ecological Assessment of Different Solids and Dissolved Oxygen in Shivganga Pond, Deoghar, Jharkhand, India</i>
26)	Priyadarsani Mishra	<i>Bioactive compounds from Earthworms: Diversity, Mechanisms of action, and pharmaceutical potential</i>
27)	Priyanshi Patel	<i>Comparative Bioinformatics Analysis of Melatonin Receptor in Human, Rat, and Fish</i>
28)	Raghuveer Kumar Gupta	<i>Study on Inflammatory Response, Biochemical Profiling and Histopathological Alteration in Asian stinging catfish <i>Heteropneustes fossilis</i> Infested with Nematode parasites</i>
29)	Rajat Bhatia	<i>Characterisation and Probiotic Dynamics of Selected Lactic Acid Bacteria Isolates from Honey Bee Gut</i>

Student Poster Presentations Schedule

DAY 3-February 6, 2025 (Friday) Student Poster Presentations

S. No.	Presenter Name	Title
30)	Kajal Kuchiya	<i>A Systematic Review on the Natural antioxidant and Nutritional Profile of Vigna radiata (Mung Bean)</i>
31)	Raksha Khangar	<i>Present status of ecosystem health of the central Indian waters: A systematic review and implication for conservation framework</i>
32)	Sambid Sunamajhi	<i>Variations of chronotype in tribal society: A comparison of urban and rural population in relation to sleep and health</i>
33)	Shanta Kumari Panda	<i>CRISPR for Conservation: Risks and Rewards</i>
34)	Shikha Kumari	<i>Early-Life Environmental Optimization Improves Zebrafish Developmental Outcomes</i>
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