



The Indian Ecological Society



IESIC-2024

WEBSITE: WWW.IESCONF.IN

INDIAN ECOLOGICAL SOCIETY INTERNATIONAL CONFERENCE 2024

IESIC 2024

TRANSFORMING AGRIFOOD SYSTEMS IN FACE OF CLIMATE CHANGES AND ENERGY TRANSITIONS



12-15 NOVEMBER, 2024



PAU, LUDHIANA-141004, INDIA

FIRST ANNOUNCEMENT



COLLABORATIVE HOST ORGANISATION

PUNJAB AGRICULTURAL UNIVERSITY, LUDHIANA-141 004, INDIA

About the Conference

Founded in 1974, the Indian Ecological Society has been instrumental in supporting the field of ecology, particularly agroecology, over the past five decades. As the Society celebrates its 50th year, it is pleased to announce the 4th Indian Ecological Society International Conference (IESIC-2024), which is to be held from November 12-15, 2024, in collaboration with Punjab Agricultural University (<https://www.pau.edu>), Ludhiana, Punjab, India, the pioneer of ushering the Green Revolution in India. The conference, entitled "Transforming Agrifood Systems in the Face of Climate Changes and Energy Transitions", aims to address the primary threat to sustainable agriculture, which is climate change. To achieve sustainable agriculture, we need to slow down and eventually end human-caused climate changes. This requires a successful transition from fossil fuels to renewable energy sources. Failure to transition at a fast enough pace will result in a worsening of climate change and a decline in the potential for agricultural sustainability. The International Conference will provide a platform for an impressive diversity of knowledge, disciplines, and viewpoints to design a more holistic approach to reverse the climate crisis in line with the United Nations Sustainable Development Goals. The conference will focus on regenerating and transitioning to resilient agrifood systems. Attendees will have the opportunity to engage with experts in the field and exchange ideas, experiences, and solutions aimed at building more sustainable agrifood systems. Conference website: <https://iesconf.in>

About PAU, Ludhiana

Punjab Agricultural University (PAU) was established in 1962 to serve the state of erstwhile Punjab. The university has played a pivotal role in making the country self-sufficient in food grain production and is known as the "Mother of Green Revolution". It is a world-renowned university that actively collaborates with CGIAR institutes such as CIMMYT, IRRI, ICRISAT, ICARDA, and CIAT, as well as AVRDC, University of Wisconsin, WSU, Pullman; OSU, Columbus; KSU, Manhattan; Purdue University, USA; Olds College, Alberta, Canada; University of Western Australia, ACIAR, Australia. In 1995, it was adjudged as the Best Agricultural University in India by ICAR. It was ranked 3rd among all Agricultural Institutions/Universities by MHRD (NIRF) in 2017. PAU got ISO 9001: 2008 Certification. PAU was awarded the First Agricultural University of the Year Award (KrishiShikshaSamman) by Mahindra & Mahindra in 2011 and the Agriculture Leadership Award by Agriculture Today Group in 2015. The university now has 32 departments and 3 schools in the six constituent colleges, offering 43 Master's and 29 Ph.D. programmes, besides 11 undergraduate programmes at Ludhiana and outstations. The university has eight Research Stations, three Fruit Research Stations, four Seed Farms, 18 KrishiVigyanKendras, and 14 Farmers' Advisory Service Centers. The university has recommended 809 varieties/hybrids of different crops, out of which 173 have been released at the national level. The university is a pioneer in apiculture, a leader in conservation agriculture, and farm mechanization.

About Indian Ecological Society

The Indian Ecological Society (IES), established in 1974 at College of Agriculture, PAU, Ludhiana, Punjab, is one of the pioneering organizations committed to protect the environment by creating awareness, promoting ecological studies and providing deliberation opportunities to renowned ecologists through organizing national and international scientific events. The society sponsors conferences/ seminars/ workshops/ lecture series to highlight ecological perspectives of various anthropogenic activities involving serious issues like environmental pollution, depletion of resources, distinction of germplasm, food safety concerns etc. Further, recent research findings in the field of basic/applied ecology are published by IES in its widely circulated "Indian Journal of Ecology" (IJE). The society is managed by senior academicians and assisted voluntarily by a multidisciplinary team of scientists from India and abroad. <http://www.indianecologicalsociety.com>

Who Can Attend?

Conference is open for all professionals, researchers, academia, policy makers, extension functionaries, industry, farmers and students.

Weather

In Punjab, the month of November offers a pleasant weather with minimum night time temperature of 10.0-12.0^{oC} and maximum day time temperature of 24.0-26.0^{oC}.

About the City

Standing on the old bank of River Satluj, Ludhiana is the largest city of Punjab, known as 'Manchester of India'. It is famous for its 'Hosiery Industry' and 'Textile Industry' sourcing production to top corporate brands all over India. Ludhiana is Asia's largest hub for bicycle manufacturing and is producing more than 50% of India's bicycle production each year. Both State Agriculture University (PAU) and State Veterinary University (GADVASU), also located in this city, are well known for their outstanding contributions in 'Green Revolution' and 'White Revolution' at State and National levels'.



How to Reach?

Ludhiana is well connected by rail, road and air. The domestic flights connect Mohali, Ludhiana and Amritsar Airport, Punjab to many important cities of the country. IGI Airport, Delhi is well connected to almost all parts of the country. Road distance of Ludhiana from Chandigarh and IGI Delhi airport is about 108 and 335 Km, respectively. New Delhi is also well connected to Ludhiana by rail with a journey time ranging between 5-6 hrs.

Inaugural Session

Inaugural session will kick start with keynote addresses by renowned experts to present an insight into the important issues and concerns related to the conference. Details of keynote lead speakers will be updated with second announcement of the conference.

Technical Sessions

1. Climate Changes and Energy Transitions

- Climate change adaptation and mitigation
- Tolerance of plants and livestock to heat, flooding, drought, and saltwater intrusions
- Optimizing energy required for tillage and other farm operations
- Making soils a carbon-sink while maintaining fertility and use
- Preparing for new pest invasions as climates change
- Electrification of farm machinery
- Energy and water efficient innovations for Agri-food systems
- Reduce emission of greenhouse gases
- Emerging threat to sustainable agriculture

2. Regenerative Agriculture

- Circular Economy
- Zero input agriculture
- Plant-plant and plant-animal signaling
- Underground plant-plant communications

- Collective action and social innovation for transformation
- Breeding adaptation; tolerance systems
- Digital tools for sustainable agri-food systems
- Sustainable climate-smart agricultural practices and agri-food systems
- Climate smart organic farming

3. United Nations Sustainable Development Goals: Transitions to Resilient

- Agrifood systems
- SDG2: End hunger, achieve food security, improve nutrition and promote sustainable agriculture
- Economic, environmental and social indicators of sustainability: Land productivity, Profitability, Resilience, Soil health, Water use, Fertilizer pollution risk, Pesticide risks, farm employment, Food security, Land tenure. Measuring Progress towards Productive and Sustainable Agriculture
- Climate change
- Climate change and industrial agriculture
- Integrated pest management
- Biotechnological interventions in agriculture

4. Biodiversity and Provision of Ecosystem Services Across Agricultural Landscapes

- Building and maintaining genetic diversity of seeds, cultivated, wild, farmed and domesticated plants and animals
- Biodiversity and ecosystem services role in agrifood systems.
- Meeting future conservation targets, and maintaining key services for humans and biodiversity

5. Future Forest Management: Towards Climate Resilience

- Climate resilient management practices
- Criteria and Indicators of Sustainable Climate Resilient Forest Management
- Climate resilient tree species
- Tree improvement techniques for mass seed production

Important Dates

| | | |
|---|---|------------|
| Last Date of Submission of Abstract | : | 01.09.2024 |
| Issue of Acceptance Letters for Abstracts (on/before) | : | 15.09.2024 |
| Last Date for Submission of Full Papers | : | 15.09.2024 |
| Last Date for Payment of Registration Fee | : | 30.09.2024 |
| Request for Accommodation (up to) | : | 10.10.2024 |

Awards

- Best Oral Presentation Awards
- Best Poster Presentation Awards

Registration Details

| | | |
|------------------------------|---|------------|
| Delegates (IES -Members) | : | INR 6,500 |
| Delegates (Non IES -Members) | : | INR 7,000 |
| Foreign Delegate | : | US\$ 150 |
| SAARC Countries | : | INR 7,000 |
| Students | : | INR 4,000 |
| Industry | : | INR 10,000 |
| Guest/Accompanying person | : | INR 4,500 |

Bank Details

For RTGS/NEFT, details of the Conference Bank Account
A/c Name: Indian Ecological Society-
International Conference 2022
A/c No.: 922010016479278
Bank: Axis Bank Limited
Branch: PAU, Ludhiana
IFSC: UTIB0000042/UTIB0004809

Submission of Abstracts

An extended abstract based on original research findings shall be submitted and should not have been submitted earlier for publication/presentation in any media or platform. The abstract will pass through peer-review process and selected for oral/poster presentations during different technical sessions. Abstracts without registration fee will not be accepted for oral/poster presentations.

Author Guidelines

Author guidelines for format and word limits for submission of extended abstract can be accessed at <https://www.iesfaconf.in/abstract/>
Abstract sample can also be accessed at <https://iesconf.in/sample-extended-abstract/>

Accommodation

Limited accommodations are available at the university Guest Houses. The registered delegates who pay their registration fee online, can submit request for accommodation at <https://www.iesfaconf.in> up to 31.10.2024. Delegates can also book their accommodation in 3/4/5 Star Hotels in Ludhiana at their own level through online portals (www.makemytrip.com, www.goibibo.com etc.) and shall prefer to stay in hotels near to the university, to facilitate transit to the conference venue.

Places to Visit

Punjab offers a rich heritage to feel the fragrance of historic monuments and memorials, including the Holy Golden Temple, Jalian Wala Bagh and Wagah Border in Amritsar; Sukhna Lake, Rock Garden and Rose Garden in Chandigarh; Virasat-e Khalsa in Anandpur Sahib-Ropar; Museum of Rural life in PAU, Ludhiana etc. Paid excursion trips to any favorite destination can be organized for interested delegates on 16 November 2023. Interested delegates must inform their preferred destination(s) well in advance.



Partners/Sponsor Opportunities

Sponsors and co-sponsors from private industry/agencies and other organization with interests in agricultural innovations are invited to support the event and be partners in promoting ecological health for a healthy future. All sponsorships will be duly acknowledged/listed on/in the IESIC Conference website; FaceBook page, program booklet and conference proceedings; with prominent display on the event signage and an opportunity of setting up an exhibition stall during the conference.

Partnership – Rs. 3,00,000/-
Sponsorship – Rs. 2,00,000/-

Co-Sponsorship – Rs. 1,00,000/-

Advertisement in Souvenir

Back Cover page: Rs. 25,000/-
Full Page: Rs. 10,000/-

Inner Page of Back Cover: Rs. 20,000/-
Half Page: Rs. 5,000/-

Keynote Speakers



Dr Alice Catherine Hughes
University of Hong Kong



Dr Pramod Kumar Jha
Professor Emeritus
Tribhuvan University, Nepal



Dr BM Prasanna
Maize Program Director (GMP),
International Maize and Wheat
Improvement Center



Dr PS Birthal
Director, ICAR-National
Institute of Agricultural
Economics & Policy Research,
New Delhi



Dr John Perkins
Member of the Faculty Emeritus
The Evergreen State College,
Washington, USA.



Dr Shannon Olsson
Global Director, the echo
network



Dr Mahalingam Govindaraj
Senior Scientist for Crop
Development at Harvest Plus
and the Alliance of Bioversity
International and CIAT



Dr Swoyambhu Man Amatya
Coordinator, Agroforestry Research
Group of International Union of
Forestry Research
Organizations (IUFRO) Vienna and
Adjunct Professor at the Agriculture
and Forestry University
(AFU)



Dr Menale Kassie
The International Centre of
Insect Physiology and
Ecology, Nairobi, Kenya



Dr Yves Vigouroux
Institut de Recherche pour le
Development (IRD),
Montpellier France



Dr Nazir A Ganai
Vice Chancellor Sher-e-
Kashmir University of
Agriculture Sciences &
Technology of Kashmir, India



Prof TVK Singh
Dean of Agriculture, PJTSAU .
Retd. & Ex. ICAR - Emeritus
Scientist, Hyderabad



Dr Olivier Dangles
French Research Institute for
Sustainable Development (IRD),
Deputy Chief Science Officer
In-charge of Sustainability
Science, France



Dr Zeyaur R. Khan
International Center of Insect
Physiology and Ecology,
Nairobi, Kenya and Adjunct
Professor, Cornell University,
New York, USA

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Senior Scientist for Crop Development at Harvest Plus and the Alliance of Bioversity International and CIAT

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