

1st INTERNATIONAL FARMING SYSTEMS CONFERENCE (IFSC 2025)

Transforming Food, Land and Water Systems under Global Climate Change

7 – 9 March, 2025

Venue

**ICAR – Indian Institute of Farming Systems Research
Modipuram, Meerut, Uttar Pradesh, India**

Organized by



**Farming Systems Research and Development Association, Meerut
ICAR – Indian Institute of Farming Systems Research, Modipuram, Meerut**

In Collaboration with



Partners





About the Conference

With the growing world population, increased water demand, climate extremes, and low global food stocks, it's crucial to rethink our approach to secure and develop resilient food systems. The United Nations has established Sustainable Development Goals (SDGs) for 2030 which developed through global consensus, guide strategies at various levels to eradicate poverty and hunger (United Nations, 2015; SDG, 2021). Population growth and economic expansion have strained the resources for future agriculture, highlighting the need for new land and efficient resource management. While conventional farming has led to issues like biodiversity loss and soil degradation; alternative farming systems offer better resource conservation, improved rural livelihoods, and enhanced farm-sector stability. A shift from industrial models to ecologically sensitive and economically viable farming systems is essential. This includes designing farming systems for multi-functional landscapes that integrate carbon credits and ecosystem services for climate action. Adopting agro-ecology specific technology and crop diversification will support this transition, embracing the perspective of regenerative agriculture. Additionally, incorporating farming systems for One-Health ensures a holistic approach to human, animal, and environmental health.

Considering the above issues and challenges, the '**1st International Farming Systems Conference (IFSC 2025)**' being organized by Farming Systems Research and Development Association in collaboration with the ICAR-Indian Institute of Farming Systems Research, Modipuram will be crucial to accelerate the transition to sustainable agriculture. By convening the interaction of global experts, policymakers, and farmers, this platform will foster knowledge sharing, innovation, and collaboration. This conference is essential to address complex agricultural challenges, develop practical solutions, and ensure that farming systems effectively contribute in achieving the Sustainable Development Goals.

The expected outcomes of the conference include:

- A shared global vision: A unified understanding of the critical role played by farming systems in achieving sustainable development goals.
- Innovative solutions: The development of practical and scalable solutions to address agricultural challenges, such as climate change adaptation, food security, and resource conservation.
- Stronger partnerships: Collaborative networks among researchers, policymakers, farmers, and industry to drive implementation of sustainable farming practices.
- Policy recommendations: Evidence-based policy recommendations to support the adoption of farming systems approaches at national and international levels.

About the Organizers

FSRDA, Modipuram:

Established in 1991, the Farming Systems Research and Development Association (FSRDA), Modipuram, Meerut (Regd. No. 2666) is a registered society under Societies Registration Act 1860. The society focuses on improving agricultural practices through research and development to enhance farming systems by integrating advanced techniques and sustainable practices to increase productivity and profitability. The association engages with farmers to implement innovative solutions tailored to their specific needs and conditions, promoting both economic and environmental sustainability in agriculture. The



'Journal of Farming Systems Research and Development' is published by-annually in June & December by the society. Presently it has 555 Life members. The Society organized the "National Conference on Agro-Ecology Based Agri-Food Transformation Systems" during January 27-28, 2023 which was attended by over 350 delegates across pan India.

ICAR-IIFSR, Modipuram:

The ICAR-Indian Institute of Farming Systems Research (ICAR-IIFSR) which started as a simple fertilizer trial initiative on Cultivators Fields" in 1953 and has evolved significantly since its origin of 71 years. It transitioned through key phases, including its upgradation into 'Project Directorate for Cropping Systems Research (PDCSR), during 7th which became functional in March, 1989 with its headquarters at Modipuram which later became the Project Directorate of Farming Systems Research (PDFSR) in 2010. Since 2014 it has been upgraded to full fledged institute as ICAR-Indian Institute of Farming Systems Research (IIFSR), Modipuram along with two major schemes *i.e.* AICRP on IFS (74 centres) and AINP-OF (20 co-operating centres) as an integral part of institute, covering 26 States/ UTs. Today, as a full-fledged institute, ICAR-IIFSR stands at the forefront of integrated and sustainable farming systems research and organic farming and natural farming research contributing to advancements in agricultural productivity, resource management, and socio-economic development.

Themes and Sub-Themes of the conference

Theme 1: Futuristic Farming Systems Design

Sub-theme 1.1: Methodology and tools for developing farming systems

Sub-theme 1.2: **National and international case studies**

Theme 2: Farming Systems for Multi-functional Landscapes

Sub-theme 2.1: Farming systems in diverse agroecosystem

Sub-theme 2.2: Designing future farming landscapes

Theme 3: Farming Systems for Climate Action – Carbon credits, Ecosystem services

Sub-theme 3.1: Carbon farming and resilient farming systems

Sub-theme 3.2: Ecosystem services and valuation of biodiversity

Theme 4: Agro-ecology Specific Technology & Crop Diversification

Sub-theme 4.1: Innovative technologies for sustainable farming

Sub-theme 4.2: Agro-ecology based cropping systems/ diversification

Theme 5: Perspective of Regenerative Agriculture

Sub-theme 5.1: Natural farming & its perspective for globalisation

Sub-theme 5.2: Organic farming & value chain

Theme 6: Farming Systems for One-Health

Sub-theme 6.1: Soil-plant-animal-and human health continuum

Sub-theme 6.2: Advances in sustainable agri-food Systems

Theme 7: Socio-economic, Policy & Livelihood Issues – Realm of Small & Marginal Farmers

Sub-theme 7.1: Gender equality, youth, livelihood security & farmers prosperity

Sub-theme 7.2: **Farming system-education & extension needs**

Theme 8: Farmer – Scientist – Industry – Policy Interface



Call for papers

Extended summary/abstract in MS Word (Maximum 400 words excluding title, authors and affiliations) in Font size, 12, Times New Roman, Single line spacing) containing an Introduction (50 words), Materials and Methods (100 words), Results and Discussion (200 words), Conclusion/ Recommendations (50 words) and 3-4 Keywords should be sent in conference mail (fsrdaconference2025@gmail.com). Only registered extended summary/abstracts will be published in conference proceedings/souvenir.

Presentations

There will be following categories of presentations:

- Key note Presentation
- Lead paper
- Oral
- Rapid fire
- Poster
- Exhibitions

Keynote/Lead Speakers

Eminent Scientists/Administrators in relevant field will be invited to deliver special lectures on the topics related conference theme.

Oral/Rapid fire Presentation

The oral presentation will be allocated to selected abstracts for 10 minutes duration including time for 1-2 clarifying questions. Rapid Fires presentation will be a brief 3-5 minute PowerPoint presentation with 5-slide or less.

Poster Presentation

Theme wise poster session covering the themes identified in the conference will be organized. The size of the poster shall be 90 cm length × 60 cm width briefly showing Title, Introduction, Methodology, Significant Findings (including tables/ figures/ photographs) and bulleted Summary.

Exhibition

An exhibition will be organized at the conference venue for showcasing the products/technologies (Rs 40000/ per stall along with one complimentary registration).

Awards

1. FSRDA Lifetime Achievement Award (Life members only)
2. FSRDA Fellow (Life members only)
3. FSRDA Society Gold Medal (Life members only)
4. FSRDA Associate (Life members only)
5. FSRDA Young Scientist Award (Life members only)
6. FSRDA Best Farmer Award
7. FSRDA Best Entrepreneur Award
8. FSRDA Best Ph.D. Thesis Award (Annual/Life Membership Required)
9. FSRDA Best M.Sc. Thesis Award (Annual/Life Membership Required)
10. Conference awards for Best Oral and Best Poster presentation.

* Filled in application for specific awards highlighting research and other achievements as per proforma available in conference website should be sent to email id (awardsifsc2025@gmail.com) for scrutiny by designated committee.

About Meerut

Meerut, is a city in the Indian state of Uttar Pradesh. It is an ancient city with settlements dating back to the Indus Valley civilization having been found in and around the area. The city lies 70 km northeast of the National Capital New Delhi. The city is one of the largest producers of sports goods, and the largest producer of musical instruments in India. Meerut is also known as the "Sports City of India". The city is famous for being the starting point of the 1857 rebellion against British colonial rule. The city comprises many historical and cultural heritage sites.



There are many beautiful gardens, monuments with great architecture and holy places in the city which are major tourist attractions here. The **Augharnath Temple** in Meerut is devoted to Lord Shiva. The temple has historical importance as the first war of independence of India was also witnessed here.

The St. John's Church located in Meerut was built between 1819-1821. It is the oldest church in Northern India and was built during the British colonial period. Its founder was British Army chaplain, the Rev. Henry Fischer, a Church of England clergyman, posted to Meerut, India.



Gandhi Bagh, locally known as the 'company gardens' is located on Mall Road in Meerut. It was built before independence but is recently renamed. It has lush greenery with a wide range of flora within its premises. It is located on Mall Road, not very far away from the city and is famous for the musical fountain show which happens every evening.

Shaheed Smarak, a Government Freedom Struggle Museum, Meerut was established in 1997. It is located in the Shaheed Smarak compound on Delhi Road. The Museum's main aim is the collection, preservation, documentation and exhibition of cultural property and to make it available for educational activities as well as for creation of awareness about our glorious past.



Places to visit nearby

Hastinapur: It is situated in district Meerut & connected through Meerut-Bijnor Road, about 37 kms from Meerut and 100 kms from Delhi. It has been the silent witness to the majestic, grandeur, royal conflicts and princely anecdotes of Pandavas & Kauravas. It was also known as capital city of Pandavas and Kauravas at the time of Mahabharata.



Haridwar: Haridwar is an ancient city and important Hindu pilgrimage site in North India's Uttarakhand state, which is 150 km from Meerut where the River Ganges exits in the Himalayan foothills. The largest of several sacred ghats (bathing steps), Har Ki Pauri hosts a nightly Ganga Aarti (river-worshipping ceremony) in which tiny flickering lamps are floated off the steps.



Rishikesh: Rishikesh is a city in India's northern state of Uttarakhand, in the Himalayan foothills beside the Ganges River. The river is considered holy, and the city is renowned as a center for studying yoga and meditation.





How to Reach

By Air: The Conference venue is located in the National Capital Region of Delhi which is 110 km from IGI, Airport, New Delhi on Delhi-Haridwar National Highway. From airport take a taxi to Meerut via Meerut Express way which takes about one and half hour to reach venue.

By Rail: The venue is well connected to the Railway (12 km away from Meerut City railway station, 7 km away from Meerut Cantt. railway station and 80 km away from New Delhi Railway Station). Delhi and many other cities have direct train services to Meerut.

By Road: ICAR-IIFSR situated on Delhi-Haridwar National Highway is well connected with major cities by road.

Accommodation

A wide range of hotels are available within a short distance from the Conference venue. First-time visitors to India/Meerut may find it more convenient to stay at the hotels which are within reasonable distance from the Conference venue. The tariff varies from INR 2,500/- to 15,000/- (US\$ 50 to US\$ 300) per room per day.



Location map

Weather

Modipuram, Meerut has a sub-tropical wet and dry climate. In March, Meerut typically experiences pleasant weather, with temperature generally ranges from 15°C to 30°C, with relatively low humidity and moderate to warm temperatures. This period is generally dry with minimal chances of rain, providing a comfortable environment.

LANGUAGE: English will be the official language of the conference.

CURRENCY: Rupee (₹) is the national currency of India. All major international debit/credit cards are widely accepted.

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