

# ICAR Sponsored Short Course on Recent Advances for Estimation and Accounting of Ecosystem Services for Sustainable Agri-food systems

**10-19 February, 2025  
(10 days)**



**Sponsored by:  
Agricultural Education Division, ICAR, New Delhi**



**भा.कृ.अनु.प.- भारतीय कृषि प्रणाली अनुसंधान संस्थान  
ICAR-Indian Institute of Farming Systems Research  
Modipuram, 250110, Meerut, India**

<https://iifsr.icar.gov.in>; <https://x.com/IIFSR>

## Introduction

Recent advances in estimating and accounting for ecosystem services within sustainable agri-food systems have emphasized the integration of natural, produced, social, and human capitals. Integrating natural, produced, social, and human capitals, sustainable agri-food systems can better leverage ecosystem services, enhancing resilience, productivity, and environmental stewardship while fostering innovation, collaboration, and equitable resource access for long-term agricultural sustainability. By valuing ecosystem services (provisioning, regulating, supporting and cultural) through advanced tools and integrating diverse capitals, agri-food systems can enhance sustainability, ensuring resilient food production while maintaining ecological balance and supporting human well-being. Advances in tools and methods, such as remote sensing, ecosystem modeling, and multi-criteria decision analysis, enable more accurate valuation of these services. By integrating these capitals and ecosystem service categories, agri-food systems can better account for the true value of ecosystems, promoting sustainability and resilience in food production.

## Main Themes

Sustainable Agri-Food Systems

Organic farming, agroforestry and integrated farming systems

Basic concepts of ecosystem services (ESS)

Recent advances for estimation of ESS

Integrated valuation of ecosystem services and tradeoff

Carbon trading and Payment of Agri-ecosystem services

Biodiversity Assessment

## Eligibility

The eligibility criteria for faculty and researchers in agricultural and allied disciplines, including Agronomy, Soil Science, Agricultural Economics/Extension, Horticulture, Agricultural Meteorology, Agricultural Physics, Soil Water Conservation, Agriculture/Soil microbiology, Environmental Science, Veterinary Science, Dairy science, Animal Science, Fisheries, Agricultural Engineering, Social Sciences etc. Eligible candidates must be from State Agricultural Universities, ICAR Institutes, Central/State fisheries and veterinary universities, or Krishi Vigyan Kendras (KVKs) under the National Agricultural Research and Education System (NARES). Applicants must hold positions not below the rank of Assistant Professor, Scientist, Junior Scientist or equivalent in their respective subjects.



## About ICAR-IIFSR

ICAR–Indian Institute of Farming Systems Research, Modipuram has 72 years of history working tirelessly to strengthen and evolve farming practices to increase the food and nutritional security, profitability, sustainability, resource use efficiency, employability, and adaptation to climate change for the country. Apart from three division i.e. integrated farming systems, Organic agricultural systems and cropping systems and resource management, ICAR–IIFSR have two national schemes namely All India Coordinated Research Project on Integrated Farming Systems (AICRP–IFS) and All India Network Programme on Organic Farming (AINP–OF) were operated with 74 centres covering 15 ACZs in 25 states/UTs and 20 centres covering 10 ACZs in 16 states, respectively. Institute main mission is to address the multifaceted challenges faced by the agriculture sector by developing innovative technologies, concepts and methodologies to enhance the productivity, profitability and sustainability. The institute equally focuses on tackling climate change by enhancing research in farming systems, integrating ecosystem restoration, carbon credits, and payments for ecosystem services.



## Application and Registration

Eligible candidates should register online through the CBP portal of the ICAR Agricultural Education Division (<https://cbp.icar.gov.in>). After completing the online application, print the form and get it approved by the competent authority of your organization. The approved application must be sent to Dr. Meraj Alam Ansari, Course Director, ICAR–Indian Institute of Farming Systems Research, Modipuram–250110, Meerut on or before 5th January 2025.

Additionally, upload a scanned copy of the approved application form on the CBP portal. To avoid postal delays, candidates are encouraged to send an advance copy (scanned) via email to the course director at [icarshortcourseiifsr@gmail.com](mailto:icarshortcourseiifsr@gmail.com). Detailed guidelines for participation in the Short School are available on the CBP webpage, ensuring candidates follow the correct procedures for timely registration.



## Steps for Registration

- ✓ Visit the website or Click on 'Capacity Building Program' link <https://cbp.icar.gov.in>
- ✓ Login using your User Id and Password. To create User Id use "Create New Account" link and fill required information to register.
- ✓ After login, click on "Participate in Training" link and Select the particular training programme and fill the proforma online.
- ✓ Take a printout of filled application proforma and sign it.
- ✓ Get it signed by competent authority.
- ✓ Upload approved scanned copy of the application on the above CBP Portal.
- ✓ Send approved application duly forwarded by the competent authority by postal Order/Bank Demand Draft of Rs. 50/- (Valid for 6 months) as registration fee (nonrefundable) in favour of favours of ICAR-IIFSR, payable at State Bank of India, Palhera, Modipuram (IFSC SBIN0003067).

## Participants Selection

Participants will be selected based on eligibility criteria and ICAR guidelines, with preference given to candidates with experience in IFS/organic farming/cropping systems/resource management/ecosystem services. The selection is at the discretion of the competent authority of ICAR-IIFSR, and nominations from heads of organizations do not guarantee participation. A formal confirmation letter will be sent by IICAR-IIFSR, Modipuram **by 7<sup>th</sup> January, 2025**. Participants must confirm their participation **by 9<sup>th</sup> January 2025** via email ([icarshortcourseiifsr@gmail.com](mailto:icarshortcourseiifsr@gmail.com)), or the opportunity will be offered to waiting list candidates.

## Travelling Allowances, Lodging and Boarding

Travel Allowance to the participants will be paid for the journey, to and fro, as per their entitlement for the class of travel, restricted to the maximum of AC II tier rail fare by the shortest route. Participants are required to produce money receipt/tickets in support of their claim. The reimbursement will be made as per ICAR guidelines. **It is mandatory to book ticket from IRCTC, Balmer Lawrie, and Ashoka Travels & Tour as applicable.** Participants will be provided rent-free accommodation at the ICAR-IIFSR, Modipuram Guest House on a sharing basis, along with wholesome meals and refreshments. The organizers will not provide any daily allowance (DA) to the participants.

## Important Dates

**Last date for receipt of applications: 5<sup>th</sup> January, 2025**

**Intimation to selected applicants: 7<sup>th</sup> January, 2025**

**Confirmation by the applicants: 9<sup>th</sup> January, 2025**

## 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.

**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.



## Neer to Meerut



**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.



Hastinapur



New Delhi



Rishikesh



# Organizing Team

## Programme Director

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## Programme Coordinator

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PC, AICRP-IFS, ICAR-IIFSR, Modipuram

## Course Director

**Dr. Meraj Alam Ansari**

Senior Scientist, ICAR-IIFSR, Modipuram

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## Course Coordinators

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