

National Seminar

PAVER-2025

FEBRUARY 21-23, 2025



Progressive Agriculture - Vikshit Bharat: Preparedness for Eastern Region

"Paving the way" towards a developed India through agricultural advancements

Venue

**ICAR-RCER
Patna**




Organized by

ICAR-Research Complex for Eastern Region, Patna

In collaboration with

Indian Society of Agronomy (ISA), BAU Chapter





The agricultural landscape of Eastern India is undergoing a significant transformation, driven by the need for enhanced productivity, sustainability, and resilience. In this context, the region, with its rich natural resources and diverse agricultural practices, holds immense potential to contribute to the National goal of a Vikshit Bharat (Developed India). The National Seminar entitled “**Progressive Agriculture - Vikshit Bharat: Preparedness for Eastern Region (PAVER-2025)**” aims to address the pressing challenges and opportunities in this sector, focusing on innovative practices and strategies that can pave the way for sustainable agricultural growth.


The seminar will take place during February 21-23, 2025 at the ICAR-Research Complex for Eastern Region (ICAR-RCER), Patna on the auspicious occasion of **Silver Jubilee Foundation Day Ceremony** of the Institute. This gathering of researchers, policymakers, agricultural practitioners, and stakeholders is poised to serve as a platform for dialogue and collaboration, fostering an environment conducive to knowledge sharing and innovation. The concept of PAVER encapsulates the seminar's essence: “**Paving the way” towards a developed India through agricultural advancements**. By harnessing the collective expertise and experience of participants, PAVER-2025 seeks to explore transformative approaches that can enhance the socio-economic conditions of farmers, promote sustainable agricultural practices, and ensure food security in the Eastern region.

Objective of the seminar

The PAVER-2025 seminar will serve as a vital platform to unite all the stakeholders under one umbrella, fostering a collaborative vision to achieve the goals of Vikshit Bharat - 2047. It will emphasize the crucial role of Eastern Indian agriculture in propelling India toward becoming a developed nation. By bringing together researchers, policymakers, farmers, and industry experts, the seminar aims to facilitate meaningful dialogue and partnerships that can lead to actionable strategies for agricultural advancement. Through knowledge sharing, the seminar will highlight innovative practices and technologies that enhance productivity and sustainability while addressing the unique challenges faced by the Eastern region. This collaborative effort will not only enhance the socio-economic conditions of farmers but also contribute significantly to national development objectives, paving the way for a prosperous and resilient agricultural future in India.

Sub-Themes & Major focus areas

1. Climate-Resilient and Sustainable Farming for Eastern Region

- **Sustainable farming in changing climate:** Natural and Organic farming, regenerative agriculture, integrated farming system, precision farming, Agroforestry based land use models
 - **Water-Use Efficiency and Irrigation Management:** Techniques to improve irrigation efficiency and reduce water stress in cropping systems, water conservation and management.
 - **Climate-Smart Agriculture:** Adoption of weather-adaptive crop varieties and farming practices to mitigate climate risks.
 - **Soil Health Management and Carbon Sequestration:** Practices for maintaining soil health and reducing greenhouse gas emissions.
 - **Agrioltaics and Renewable Energy for Sustainable Farming:** Utilizing solar, wind, and bioenergy to reduce the carbon footprint in agriculture.
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2. Strategic Roadmap for Crop Sector in the Eastern Region: Aligning with Vikshit Bharat Goals

- **Biotechnology and Genomics for Crop Improvement:** Advances in genetic engineering, bio-fortification, and biotic & abiotic stress-resistant varieties.
- **Production of millets and coarse cereals:** Promoting diversification towards millets and coarse cereals crops and developing integrated value chains.
- **Promotion of Pulses and Oilseeds :** Encouraging cultivation of pulses and oilseeds for enhancing self-sufficiency and profitability.
- **Revitalizing Traditional Crops:** Utilizing indigenous crops to enhance food security and crop resilience.

3. Transforming Food Systems through Cutting-Edge Technologies for Vikshit Bharat

- **AI and Machine Learning for Predictive Agriculture:** Application of artificial intelligence in yield prediction, disease detection, and farm management.
- **IoT in Smart Farming:** Using sensor networks, automation, and robotics to optimize farm operations.
- **Farm mechanization:** innovations for reducing drudgery, saving natural resources and enhancing income
- **Digital Platforms for Supply Chain Management:** Enhancing traceability, reducing waste, and improving market access through digital tools.

4. Integrated Horticultural Development for Nutrition and Income Enhancement towards Vikshit Bharat

- **Sustainable Horticulture in changing climate:** Improvement and management for enhancing production of fruits, vegetables, and medicinal plants for better income and nutrition, high-tech horticulture.
- **Horticulture-Based Nutritional Interventions:** Utilizing nutrient-rich horticultural products to combat malnutrition and micronutrient deficiencies.
- **Urban and Peri-Urban Horticulture:** Encouraging rooftop, vertical farming, and community gardens to enhance urban food security.
- **Post-Harvest Management :** Reducing post-harvest losses through improved storage, processing, and packaging solutions.

5. Elevating Animal Husbandry and Fisheries to New Heights for Vikshit Bharat

- **Breeding and Genetics for Livestock Improvement:** Enhancing livestock productivity through selective breeding and modern genetics.
- **New Fish Farming Systems:** Combining aquaculture with agriculture for maximizing resource efficiency and productivity.
- **Production and Health Management in Livestock and Fisheries:** innovations in production and protection in changing climate, food safety measures.
- **Entrepreneurship in Animal and Fishery Products:** Developing value-added products like dairy, meat, and fish-based industries for rural entrepreneurship.

6. Driving Rural Prosperity for Vikshit Bharat: Skill development, Agri-Entrepreneurship and Policy Innovations

- **Business Incubation, Market Linkages and Digital Platforms for Agri-Entrepreneurs:** Establishing incubation centres to support startups, enhancing market access through e-commerce, digital marketing, and farmer-producer organizations (FPOs), Rural Agri-Innovation Hubs etc.

- **Enhancing socio economic impact of extension systems:** Role of KVKs in fostering rural development, bridging gender gap, capacity building through integrated agricultural training, knowledge sharing, and grassroots innovations. Transitioning KVKs to e-KVKs.

Participants

This seminar is open to a broad audience, including researchers, academicians, and policymakers working to enhance agricultural development. KVK Subject Matter Specialists (SMS), extension agents, and students from agricultural and allied fields are encouraged to participate, as they play a critical role in knowledge dissemination and capacity building. Agri-preneurs and Agricultural Industries are also invited to share their innovative approaches and field experiences.

SN	Registration Fees	Fee (Early Bird) up to 14 Feb 2025	Fee (On the spot)
1	Delegates (Scientists/ KVK SMS/ Faculty/ Corporate Firms/Govt. Officials) and others	Rs 3000 Rs 2500 (online)	Rs 4000
2	Research Scholars	Rs 2000 Rs 1500 (online)	Rs 3000
3	Students	Rs 1000 Rs 500 (online)	Rs 2000

SN	Sponsorship category	Amount (INR)
1	Diamond	Rs. 1,00,000
2	Golden	Rs. 50,000
3	Silver	Rs. 25,000

Registration Fees and Sponsorship

The registration fees and sponsorship amount should be transferred online to
BAU Sabour Chapter of The Indian Society of Agronomy
AC No: 043105004997
IFSC: ICIC0000431

Last Date for Abstract Submission: **January 20, 2025**

Last Date for Full length Paper/Poster Submission: **January 31, 2025**

Last Date for Submission of Registration Fees: **January 31, 2025**

Send your abstract (350-400 words) at paver2025@gmail.com

Registration Link: <https://forms.gle/xevW5jDYiEU4QKjR9>

Awards

To encourage excellence and innovation, Various **awards** will be presented for the

1. **Best Oral presentation (On line and Off line)** in each thematic area.
2. **Best Poster presentation (On line and Off line)** in each thematic area.

These awards aim to recognize outstanding research contributions, practical solutions, and innovative ideas shared to achieve the goals of **Vikshit Bharat**.

About the Venue: ICAR-RCER, Patna

The ICAR Research Complex for Eastern Region (ICAR-RCER), located in Patna, was established on 22nd February, 2001 with a focused mandate to address the unique agricultural challenges of the eastern states of India. Serving as a hub for agricultural innovation and development, the institute's headquarters in Patna oversee its regional station in Ranchi, Jharkhand, and two KVKs—at Buxar, Bihar, and Ramgarh, Jharkhand.

Since its inception, ICAR-RCER has been at the forefront of pioneering research in areas critical to the region's agricultural progress. These include land and water resource management, crop and horticulture production, aquatic crops, fisheries, livestock and poultry, and agro-processing. The institute also emphasizes the socio-economic aspects of agricultural development, with the aim of uplifting the livelihoods of resource-poor farmers. ICAR-RCER is committed to developing and promoting sustainable farming practices and innovative agricultural technologies that cater to the diverse agro-ecological conditions of Eastern India. Its research outcomes continue to drive agricultural growth, ensuring food security and enhancing the economic well-being of the farming communities in the region.

How to Reach ICAR-RCER, Patna

ICAR-RCER is conveniently located in the heart of Patna, adjacent to the Patna Airport and Bihar Animal Science University, making it easily accessible. The institute's address is ICAR Parisar, Post Office: Bihar Veterinary College, Patna, Bihar - 800014.

Places to Visit Near Patna

Patna, rich in history and culture, offers several fascinating tourist destinations for visitors. The city attracts a significant number of tourists annually, accounting for 41% of all tourists visiting Bihar. While Bodh Gaya remains a favorite for international visitors, there are several remarkable sites close to the seminar venue that participants can explore.



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For detail list please visit our website: <https://icarrcer.icar.gov.in/>