

**NATIONAL CONFERENCE
ON**
**“Multidisciplinary Approaches
for Sustainable Agriculture:
Retrospects and Prospects”**

February 24-25, 2025



Organized by
College of Agriculture (Extended Campus)
UTTAR BANGA KRISHI VISWAVIDYALAYA,
Majhian, Dakshin Dinajpur-733133

BACKGROUND

India as a vibrant agrarian economy is enriched with abundant bioresources, biodiversity, and natural resources. Agriculture forms the backbone of the nation, supporting a significant proportion of its population and contributing to overall economic development. However, the agricultural sector is increasingly confronted with challenges such as resource degradation, declining productivity, and the need to balance growth with ecological integrity. Addressing these challenges requires a shift towards sustainable practices that ensure long-term resilience and resource efficiency. Sustainability in agriculture involves the integration of ecological principles, economic viability, and social equity. It emphasizes the conservation of natural resources, the enhancement of soil health, efficient water use, biodiversity preservation, and the reduction of environmental footprints. Transitioning towards sustainable agricultural systems necessitates multidisciplinary approaches that bridge traditional knowledge with modern scientific advancements. Such strategies must focus on ecosystem-based management, resource optimization, and the empowerment of farming communities.

This conference will serve as a platform to bring together researchers, practitioners, policy makers, and traditional communities to share knowledge, innovations, and strategies for sustainable agriculture. Discussions will centre on adopting the eco-friendly farming practices, enhancing soil fertility through natural amendments, promoting integrated pest and nutrient management, and encouraging the adoption of technologies that reduce resource dependency. The College of Agriculture (Extended Campus), UBKV, Majhian, aims to highlight the pivotal role of sustainability in improving farming systems, preserving ecosystems, and strengthening rural livelihoods. By fostering collaboration among diverse stakeholders, the conference seeks to develop actionable strategies to address contemporary agricultural challenges while ensuring the responsible stewardship of natural resources. Through this initiative, participants will explore pathways for creating resilient agricultural systems that not only meet present needs but also safeguard the interests of future generations. The event underscores the importance of participatory approaches, where the collective efforts of

scientists, farmers, and policymakers converge to build a sustainable and inclusive agricultural future.

ABOUT COLLEGE OF AGRICULTURE (EXTENDED CAMPUS), UBKV



The College of Agriculture (Extended Campus), UBKV, Majhian, strives to establish itself as a center of excellence in agriculture and allied sciences through its dynamic programs in teaching, research, and extension. The college caters to diverse disciplines such as agriculture, horticulture, and agricultural engineering, thus participating in holistic education and innovation. The Majhian campus of Uttar Banga Krishi Viswavidyalaya is strategically located beside the Gazzole-Hilli State Highway in the Mouza of Majhian under Balurghat Block in the District of Dakshin Dinajpur, West Bengal. The campus comprises three key units: College of Agriculture (Extended Campus), Regional Research Station (Old Alluvial Zone), and Krishi Vigyan Kendra (KVK). This integrated setup ensures seamless collaboration between education, research, and farmer outreach. The campus is well-connected, with the nearest railway station at Balurghat, located 16 km away, and Bagdogra Airport, which is 253 km from the campus. Balurghat, the district headquarters of Dakshin Dinajpur, serves as an important hub for accessibility to the campus. The winter season starts by mid-November and lasts till end of February. The lowest and highest temperatures has been recorded as 3.5°C and 32°C, respectively during winter. The region is also home to several notable tourist attractions. Nearby destinations such as Hilli, situated on the India-Bangladesh border, and Haripukur, a culturally significant village at the border, offer unique cross-border experiences. Additionally, Gour, also known as Lakhnauti, located within a day's travel from Balurghat, is a historical site renowned for its monuments from the Sena and Pala dynasties, offering a glimpse into the region's rich heritage. These locations add cultural and historical value to the campus's surroundings and provide great opportunity for exploration and learning.



SUB-THEME AREAS

1. Sustainable Development in Agriculture

- Principles of sustainable agricultural practices for long-term productivity
- Economic, environmental, and social dimensions of agricultural sustainability
- Policy frameworks supporting sustainable agricultural development
- Innovation and strategies to post harvest handling and value addition.
- Innovative approaches in Horticulture, Forestry and Basic Science.
- Crop improvement, Disease and Pest detection, diagnosis and Management.

2. Climate-Smart Farming and Natural Resource Management

- Adaptation and mitigation strategies for climate-resilient agriculture
- Sustainable management of water, soil, and land resources in agriculture
- Innovations in water use efficiency, conservation agriculture, and agro-ecosystem restoration

3. Conservation and Utilization of Genetic Resources

- Role of crop and livestock genetic diversity in sustainable farming systems
- Conservation strategies for preserving plant and animal genetic resources
- Biotechnological advances in genetic improvement for resilience and productivity

4. Entrepreneurship Development and Livelihood Management

- Promoting agri-based startups and rural entrepreneurship
- Financial models and support systems for agricultural innovation
- Market-driven approaches to enhancing farm-based businesses and rural economics



- Agriculture credit and access to credit for inclusive growth for sustainable agricultural development.
- Role of Farmers Centric organizations for agricultural development.

5. Modern Technologies for Sustainable Agriculture

- Precision farming, digital agriculture, and the role of IoT in agriculture
- Application of AI and machine learning in precision agriculture
- Adoption of biotechnologies, drones, and automated systems in farming
- Role of modern technologies in improving efficiency and sustainability in agriculture

6. Women's Empowerment in Agriculture

- Promoting gender equality and women's participation in agricultural development
- Women's roles in sustainable farming practices and rural development
- Policy and programs supporting women farmers and entrepreneurs in agriculture

CHIEF PATRON

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- Vice-Chancellor, BCKV, Mohanpur

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Organizing secretary : Prof Jyotirmay Karforma

Co-organizing Secretary : Dr. Rakesh Yonzone

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Dr. Jayanta Dutta	Dr. Samir Kumar Das
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Dr. Bimal Das	Dr. Nakul Mondal
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ABSTRACT SUBMISSION

Organizing committee invites delegates/participants to submit abstract for presentation. The abstract must be in English with the Title of the paper, Name of Author(s), Affiliations, Keywords and sub-theme in MS Word (abstract strictly not more than 250 words). Abstract must be sent as e-mail attachment to coaseminar2025@gmail.com addressing the Organizing Secretary **on or before 5th February, 2025**. The organizing committee reserves the right to delegate mode of presentation depending on the number of papers and merit of the paper based on originality/novelty of research work on the themes of conference. Poster size must be of 4ft x 3ft and 10 min will be given for oral presentation. Best oral / poster will be awarded in each category.

REGISTRATION, FEES AND ACCOMMODATION

Application for registration in the given format along with fees can be directly transferred in favour of the College of Agriculture (Extended Campus) to *Account No: 34078127221, Bank: SBI, Branch: Balurghat Bazar, IFSC Code: SBIN0014548* and send the electronic receipt copy along with the registration form. Registration fees include conference kit and fooding excluding accommodation. Accompanying person will not get conference kit. However, accomodation at local hotels/guest house may be arranged on demand along with advance payment.

Participants/Deligates	Online	On Spot (Only Cash)
Faculty/Scientists/Academician	INR 2000	INR 2500
Student/Research Scholar	INR 1500	INR 2000
Delegates from Industries	INR 5000	-
Accompanying Person	INR 1000	

IMPORTANT DATES

Last date of submission of Registration fees	5 th February 2025
Last date of submission of Abstract	5 th February 2025
Abstract should be submitted to	coaseminar2025@gmail.com
Contact No	9434169745/ 9635234406

REGISTRATION FORM

Full Name	:	Mr./Mrs./Prof./Dr.
Designation	:	
Department	:	
Organization/Institution	:	
Address	:	
Email Id	:	
Mob. No	:	
Title of Abstract	:	
Transaction ID	:	
Accommodation Required (Mention tariff)	:	Yes/No

Signature with date



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