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BANARAS HINDU UNIVERSITY

BHU capital of knowledge

INSTITUTE OF AG. SCIENCES B.H.U

भाकृअनुप ICAR

International Conference on

Climate-Resilient Agriculture for Sustainable Development: Innovations and Solutions

February 05th - 07th, 2026

Organized By

Department of Genetics and Plant Breeding, Institute of Agricultural Sciences, BHU, Varanasi

iccra2026.eventsdashboard.in

EventUP A Unit of Krishi Junction

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About the Conference

The International Conference on **"Climate-Resilient Agriculture for Sustainable Development: Innovations and Solutions"** (February 5–7th, 2026) is being organized by the Department of Genetics and Plant Breeding, I. Ag. Sc. - BHU, Varanasi, India with the objectives of collecting global knowledge on innovations and ideas to reduce Global Warming and developing climate resilient Agriculture technologies and exploring important genes to address climate change. As the planet faces unprecedented climate challenges, this conference provides a global platform to unite Scientists, Researchers, Policymakers, Innovators, and Stakeholders in developing practical, science-based solutions to mitigate the impact of global warming through agricultural research and innovations. It aims to foster collaboration and accelerate innovation across all key domains of agriculture, including climate-resilient crop breeding, biotechnology, genetic resource management, agroforestry, soil health, water conservation, precision farming, livestock, and post-harvest technologies. Participants will explore emerging research areas and climate-smart strategies to build sustainable food systems and ensure environmental resilience for future generations. Be a part of this vital Conference together, let's restructure agriculture for a climate-resilient future.

Themes

1. Climate Resilient Breeding for Food and Nutritional Security

a. Abiotic stress tolerance
b. Biotic stress tolerance and plant health management
c. Climate variability: Risks to food systems
d. Climate-smart technology in ensuring food security
e. Breeding for nutritional security

2. Biodiversity and Plant Genetic Resources to develop climate smart Varieties

a. Harnessing biological diversity
b. Pre-breeding for crop improvement
c. International/ National policies/ Act's on Plant genetic resources
d. Biotechnological tools for PGR conservations and management

3. Biotechnology and Genetic Innovations for Food Security

a. Development of climate-resilient crops through biotechnology
b. Role of gene editing (CRISPR, GMOs) in food security
c. Omics for accelerating genetic gain and phenomics
d. Tissue Culture techniques, speed and precision breeding

4. Soil Health, Water Management and Resource conservation

a. Soil conservation techniques for climate resilience
b. Sustainable irrigation and water-efficient farming practices
c. Impact of climate change on soil fertility and nutrient cycling
d. Role of agroforestry and cover crops in soil health and Carbon sequestration
e. Carbon Credit and Carbon Farming practices, Bio-ethanol

5. Global Food Policies and Governance to mitigate the challenges of Changing Climate

a. Role of governments and international organizations in food security
b. Climate policies and their impact on agriculture
c. Food trade, supply chains, and global market disruptions
d. Climate adaptation and extension strategies for smallholder farmers
e. Strategies for mitigating the effect of climate change

6. Technological Innovations for Climate-modelling and precision farming

a. AI, IoT, big data, machine learning, nano-technology and crop simulation for smart agriculture
b. Remote sensing and climate modelling for food security
c. Use of drones and automation in sustainable agriculture
d. Strengthening of meteorological innovations and forecasting

7. Seed sector in global warming scenario

a. Hybrid technology for Field /Horticultural/Vegetable crops
b. Seed Health and processing for climate resilience
c. Seed Industry/Entrepreneurship/Start-up
d. Innovative approaches in seed sector under changing climate

8. Hi-Tech Horticulture, Post-harvest Processing and Circular Economy

a. Eco-friendly approaches for reducing post-harvest losses in a warming world
b. Sustainable food supply chains and waste recycling strategies
c. Role of food processing and storage innovations
d. Protected cultivation, bio fortification and value addition

9. Impact of Climate Change on livestock production, reproduction and dairy for Food Security

a. Sustainable livestock production
b. Strategies to enhance animal reproduction
c. Challenges to dairy sector and its management
d. Feed and fodder production challenges

CALL FOR PAPERS

Scientific sessions will include presentations of lead papers and keynote addresses by the eminent national and international experts in the concerned subjects. All the scientists, industry professionals, entrepreneurs and students are encouraged to contribute their quality research works describing original and unpublished results of technical, conceptual, constructive, theoretical and experimental work in the areas of Agricultural Sciences and allied sectors. The research work will be presented in oral and poster paper sessions. The abstract of the research paper has to be uploaded in the template through the convention website (https://iccra2026.eventsdashboard.in/). The conference team will communicate the mode (ORAL/POSTER) of paper presentation on registered email/WhatsApp.

Conference important Dates

Abstract Submission Begins	08th September 2025
Abstract Submission Deadline	15th November 2025
Abstract Acceptance Notification	20th November 2025
Early bird registration till	30th November 2025
Conference Regular Registration	until 25th January 2026

Conference Official Website!

iccra2026.eventsdashboard.in

This official website is your one-stop destination for all conference-related activities:

- ✅ **Abstract Submission & Guidelines** – Access submission details and guidelines
- ✅ **Conference Registration** – Register easily online
- ✅ **Download Documents** – Get your abstract acceptance letter & registration confirmation
- ✅ **Conference Fee Receipt** – Get your Conference Fee Receipt instantly
- ✅ **Accommodation Requests** – Submit your stay preferences
- ✅ **Travel Itinerary Submission** – Share your travel details effortlessly
- ✅ **Presentation Guidelines** – Find instructions for oral and poster presentations
- ✅ **Conference Announcements** – Stay updated with important news
- ✅ **Contact Organizing Team** – Get assistance when needed

Everything you need for a seamless conference experience is just a click away!

All participants must register through the conference website by completing the registration form. Payment of the required fees should be made in advance through conference official dashboard as instructed on the payment portal. Early payment is advised to avoid technical issues, and on-spot online payments are discouraged for a smoother registration. Details of the registration fees for various participant categories are provided below.

Registration Fee

Participant Category	Early Bird Registration Fee (30th November 2025)		Regular Registration (1st December, 2025 onwards)	
	Indian Delegates	Foreign Delegates	Indian Delegates	Foreign Delegates
Student	₹ 3,000	$ 100	₹ 4,000	$ 150
RA/SRF/JRF/YP	₹ 4,000	$ 150	₹ 5,000	$ 200
Scientist/Faculty	₹ 6,500	$ 200	₹ 7,500	$ 250
Accompanying person*	₹ 3,000	$ 100	₹ 4,000	$ 150
Industry Representative	₹ 10,000	$ 200	₹ 12,000	$ 250

**Food Expenses Only*

Accomodation

The delegates are advised to upload their travel plan through the conference website. All the travel details are required to be filled accurately for smooth logistics. Good and comfortable hotels are available in Varanasi and can be booked directly. For the convenience of ICCRA2026 delegates, a curated list of hotels has been made available in website. The details regarding accommodation and transport will be periodically updated on the conference website (iccra2026.eventsdashboard.in) and all delegates will be informed via email.

To Reach Varanasi -

Varanasi is easily accessible from all parts of the country and across globe. Very well connected by road, rail and air, the City offers convenient and comfortable travelling options to and from other cities . Lal Bahadur Shastri international airport (28 km from BHU) has multiple domestic and international flights operating daily.

Sponsorship Details

Platinum Sponsor

- Free advertisement in banners, posters (colour)
- Registration - 5 participants
- Space for exhibiting the products
- 10 min slots for presentations

Rs 5,00,000/-

Gold Sponsor

- Free advertisement in banners, posters
- Registration - 4 participants
- Space for exhibiting the products
- 8 min slots for presentations

Rs 4,00,000/-

Silver Sponsor

- Free advertisement in banners, posters
- Registration - 3 participants
- Space for exhibiting the products
- 05 min slots for presentations

Rs 3,00,000/-

Bronze Sponsor

- Registration - 2 participants
- Space for exhibiting the products
- 4 min slots for presentations

Rs 2,00,000/-

Souvenir Details

A Souvenir containing keynote and lead papers will be published and released during the convention/ symposium. We welcome advertisements in the souvenir and industrial exhibition at the venue of the convention. Detail of rates are given in the table below.

The mode of payment for sponsorship/advertisement shall remain the same as it is for registration.

Back Cover Page (Colour)	**Rs. 50000**
Front Page Inside (Colour)	**Rs. 40000**
Back Page Inside (Colour)	**Rs. 40000**
Full Page Inner (Colour)	**Rs. 30000**
Half Page Inner (Colour)	**Rs. 15000**
Full Page Inner (Black and White)	**Rs. 20000**
Half Page Inner (Black and White)	**Rs. 10000**

Contact Information

iccra26@bhu.ac.in

1) Dr. J Jorben, Organizing Secretary - **7065771919**
2) Dr. Kumari Shikha, Joint Organizing Secretary - **9031989382**

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About Varanasi

Varanasi, also known as Kashi or Banaras, is one of the oldest living cities in the world and holds immense cultural, spiritual, and historical significance. Kashi has been a centre of learning for thousands of years and is home to **Banaras Hindu University (BHU), one of Asia's largest and most prestigious institutions.** Revered as the holiest city in Hinduism and regarded as the spiritual capital of India, Varanasi is known as the city of temples, with the Kashi Vishwanath Temple one of the twelve Jyotirlingas of Lord Shiva being the most prominent. The sacred River Ganga flows through the city, and its 84 beautiful Ghats attract visitors from around the world seeking peace and spirituality. Nearby, Sarnath holds global significance as the site where Lord Buddha gave his first sermon. Natural attractions such as the scenic Lakhaniya Dari waterfall and other seasonal cascades further enhance the city's charm. With its sacred energy, ancient wisdom, academic excellence, and rich cultural traditions including classical music, dance, literature, crafts, and the world-famous Banarasi silk sarees, Varanasi offers a truly enriching and transformative experience. It serves as a perfect venue for this conference, where minds meet, ideas flourish, and knowledge transcends boundaries.

About Banaras Hindu University (BHU)

BHU is an internationally reputed seat of learning and is one of **Asia's largest** and most prestigious residential universities. This creative and innovative University was founded by nationalist leader, Bharat Ratna Pandit Madan Mohan Malviya ji in 1916, through close cooperation with great personalities like Annie Besant, who viewed it as the University of India. BHU was established by **Parliamentary legislation – the B.H.U. Act of 1915.** The area of the main campus of this premier Central University is **1,300 acres**, having well-maintained roads, extensive greenery, a grand temple of Lord Shiva, an airstrip, and buildings which are an architectural delight. The University comprises 6 Institutes, 14 Faculties, 144 Departments, 4 Interdisciplinary Centres, a constituent college for women, and 3 constituent schools, spanning a vast range of subjects pertaining to all branches of Humanities, Social Sciences, Technology, Medicine, Science, Agriculture, Management, Fine Arts, and Performing Arts etc. It has 6 Centres of Advanced Studies, 10 Departments under the Special Assistance Programme, and a large number of specialized Research Centres. BHU is home to around 35,000 students from diverse backgrounds, supported by 1,700 faculty members and 8,000 non-teaching staff. It attracts international students from the USA, Europe, Asia, the Middle East, and Africa. The University plays a leading role in fostering innovation, global integration, and cultural and intellectual growth—truly a universe in microcosm.

Institute of Agricultural Sciences (IAS-BHU)

IAS, an integral part of BHU, was established in 1931 as the Institute of Agricultural Research by Bharat Ratna Pandit Madan Mohan Malaviya ji, who recognized the critical role of agriculture in India's economy. It was the first institution in the country to offer M.Sc. (Ag.) and Ph.D. (Ag.) degrees, marking a milestone in postgraduate agricultural education and research. Undergraduate teaching began in 1945, and the Institute initially functioned as the College of Agriculture under the Faculty of Engineering. In 1968, it became an independent Faculty of Agriculture and was later upgraded to the Institute of Agricultural Sciences in 1981, bringing together all major disciplines of agriculture, including Food Science and Dairy Technology.

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Currently, IAS-BHU ranks 3rd among Agricultural Universities and Institutes in India. It offers internationally relevant academic programs in Plant Sciences, Soil Health, Agronomy, Horticulture, and Biotechnology. The Institute is actively engaged in research areas such as climate-resilient agriculture, sustainable food systems, and innovations for smallholder farmers contributing significantly to both national and global food security. It has established strong collaborations with reputed national and international agricultural organizations, including CGIAR and other leading scientific institutions, to advance research and innovation.

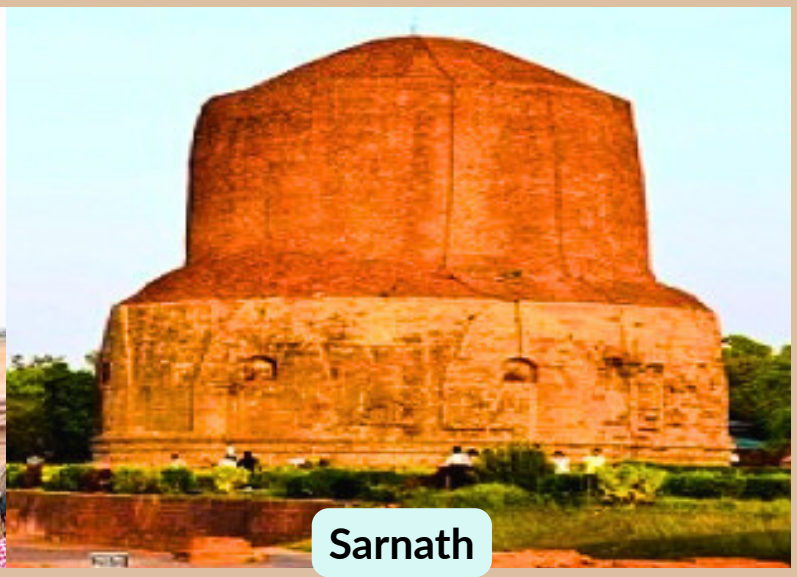
Over its 93-year journey, the Institute has played a pivotal role in developing high-yielding popular crop varieties, eco-friendly agricultural technologies, and skilled human resources. Recognizing the demands of the 21st century, the Institute introduced 11 specialized academic programs during post-2006 in agriculture and management. To strengthen Animal Science education and research, a separate Faculty of Veterinary and Animal Sciences was established in 2015 at the Rajiv Gandhi South Campus, Barkachha, Mirzapur.

The Institute continues to fulfil its mandate of advancing agricultural growth through cutting-edge research, human capital development, and technology dissemination. Notably, BHU's foundation day, celebrated on Basant Panchami, symbolically aligns with the blooming of crops during spring, reflecting the deep-rooted agricultural spirit embedded in the University vision.

Department of Genetics and Plant Breeding (GPB)

The Department of Genetics and Plant Breeding is one of the major Departments of the IAS–BHU, dedicated in generating world class human resources, developing high-yielding, stress-tolerant, and climate-resilient crop varieties through a blend of classical breeding and modern genomic tools. The Department has released large number of important varieties, including newly released Malviya Manila Sinchit Dhan 1 and submergence-tolerant HUR 105 Sub 1 in rice; wheat varieties like HUW 234, HUW 318, HUW 510, and the biofortified, blast-resistant Malviya 838 (HUW 838) with enhanced zinc and iron; and Malviya Nidhi mustard, known for early maturity, bold black seeds, and high oil content. Its active collaborations with National and International Organizations like ICAR, IRRI, ICRISAT, CIMMYT, DBT, BARC etc. support its research in molecular breeding, genome editing, and genetic resource management. The Department continues to play a vital role in promoting sustainable agriculture, improving food and nutritional security and human resource development.

Kashi Vishwanath Temple



Sarnath

Ganga Aarti

Ganga Ghat

New Kashi Vishwanath Temple, BHU

Rajdari Waterfall

Bharat Kala Bhavan, BHU