



NATIONAL SEMINAR cum ALUMNI MEET-2025
ON
“Climate-Smart Agriculture: Pathways for Food
and Nutritional Security by 2047”

06-07 October 2025

Organized by



Alumni Association

ANDUA&T, KUMARGANJ, AYODHYA

&

Acharya Narendra Deva University of Agriculture &
Technology, Kumarganj, Ayodhya (UP)-224229

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Food security and food safety are two major challenges of coming future and is going to further worsen in coming decade. Impeding climate change and vulnerability of Indian agriculture and livestock system to climate change are making the situation more complex. In time to come, it will be very difficult for the human as well as animal to survive with limited land resources and higher demand of food.

Climate change can reduce agricultural income by 15-25 per cent; it is high time that rationale of climate-resilient agriculture (CRA) is valued and implemented more rigorously. Climate-resilient agriculture (CRA) is an approach that includes sustainably using existing natural resources through crop and livestock production systems to achieve long-term higher productivity and farm incomes under climate variabilities. This practice reduces hunger and poverty in the face of climate change for forthcoming generations. CRA practices can alter the current situation and sustain agricultural

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production from the local to the global level, especially in a sustainable manner.

Improved access and utilization of technology, transparent trade regimes, increased use of resources conservation technologies, an increased adaptation of crops and livestock to climatic stress are the outcomes from climate-resilient practices.

Most countries have been facing crises due to disasters and conflicts; food security, however, is adversely affected by inadequate food stocks, basic food price fluctuations, high demand for agro-fuels, and abrupt weather changes.

Climate change is taking a toll on India's agriculture productivity and farmers income. Agriculture is **extremely vulnerable to climate** change. Higher temperatures eventually reduce yields of desirable crops while encouraging weed and pest proliferation. Changes in precipitation patterns increase the likelihood of short-run crop failures and long-run production declines. Farmers have been facing challenges of unprecedented rainfall and temperature extremes. As a result, crops are exposed to multiple stresses such as drought, flood, high temperature, elevated carbon dioxide, ultraviolet rays and increased incidence of insect/pests and diseases. All the factors reduce crop productivity, accounting for huge economic losses that need immediate attention and intervention from the scientific community.

The changing climate is also adding to resource problems, such as water scarcity, pollution and soil degradation. Agriculture contributes a significant share of the greenhouse gas (GHG) emissions that are causing climate change – 17% directly through agricultural activities and an additional 7-14% through changes in land use. It is therefore, both part of the problems and potentially an important part of the solution.

Despite of technological advancement, such as improved varieties, genetically modified organisms, modern methods of pests and disease management and irrigation systems, climate is still a key factor that plays an important role in agricultural productivity, as well as soil properties and natural communities. The effect of climate on agriculture is related to variability in local climate rather than in global climate patterns.

Considering above facts in view, the National seminar on “Climate-Smart Agriculture: Pathways for Food and Nutritional Security by 2047” is going to be organised by Alumni Association, Acharya Narendra Deva University of Agriculture and Technology, Kumarganj Ayodhya. Uttar Pradesh, India.

Objectives-

- Address challenges of food security and climate change.
- Promote climate resilient agriculture (CRA) for higher productivity.
- Discuss resource conservation, smart technologies and sustainable models.
- Provide a platform for knowledge exchange among scientists, alumni, researchers and policy makers.

First Circular

Thematic areas of National Seminar-

- Climate-Resilient Agricultural Modeling and Smart Farming Technologies
- Emerging Trends in Natural Resource Management and Conservation
- Natural and Organic Farming: Pathways to Ecological, Economic, and Nutritional Security
- Intellectual Property Rights (IPR) in Agriculture and Plant Breeding Innovations
- Recent Advances in Agricultural and Rural Development Policies and Practices.
- Innovative and Sustainable Approaches for Climate-Smart Agriculture.
- Food Processing, Value Addition, and Food Safety Regulations.
- Allied Sciences, ICT, and innovative Agri-business opportunities.
- Government Schemes, Policies, and Strategies for Doubling Farmers' Income.
- Entrepreneurship, Startups, and Agri-Business Opportunities in Agriculture.
- Agricultural Economics and Extension Strategies for Inclusive Growth.
- Farm Mechanization, Precision Agriculture, and Technologies for Enhanced Productivity.
- Protected and Controlled Environment Cultivation for Higher Farmer Income.
- Homestead Farming, Gender Equity, and Women Empowerment in Agriculture.
- Integrated Fish Farming Systems for Livelihood Security.
- Aqua Farming, Blue Economy, and Sustainable Development of Fisheries Sector.

Abstract:

The participants have to submit the abstracts of their research work in any of above thrust areas, through email only above **mentioned email Id**. The abstract should be typed in English using MS word (Single space; Font- Times New Roman; Font size-12) and should not exceed 250 words. The abstracts must title of the paper, Name(s) of authors followed by their affiliation and e-mail. The name of author should be underlined.

Presentation Guidelines

Invited lecture: There will be invited lectures on the topic by different renowned Alumni/scientists from Research Institutions and Universities.

Oral Presentation: Original research abstract (not exceeding 500 words) should have short title, address of the authors, email ID, paragraphs including brief introduction, materials and methods, results, discussion and conclusion, without any reference, typed MS word, Times New Roman with normal font-12 size. The presenter of the accepted oral paper will be allocated a total of 12 minutes, including discussion (10+2 minutes) to make the Power Point Presentation.

Poster Presentation: The abstracts should be prepared in MS word not exceeding 500 words with a clear title, name and affiliation of authors, brief introduction, materials and methods, results, discussion and conclusion, no references, typed in MS word, Times New Roman with normal font size-12. The detailed specification for preparing the poster paper (size 4.5 ft. x 3.0 ft.) would be mailed to those authors whose abstracts are accepted for presentation. The best poster in each session will be considered for award.

Call for Book Chapter(s): Scientists/Researchers/Academician may send books chapter (s) for edited book entitled “**Climate Resilience Towards Agricultural Sustainability**” with ISBN.

REGISTRATION:

The conference is purely for registered delegates and only limited number of invitees will be there. Delegate's registration is must and essential both for local and outstation participants/abroad.

Registration Categories	Early bird (up to 15 September 2025) (Rs.)	Late (Up to day of Conference) (Rs.)
Students	1500	2000
Faculty/Scientists/RA/Post-Doc(For Alumni Members)	2500	3500
Faculty/Scientists/RA/Post-Doc(For Non Alumni Members)	4000	4500
Private Organizations/Corporate	10000	15000
Accompanying Person	1500	2000

Note: Registration fee includes in present person's registration kit and food. **Mention about the lodging arrangement at ANDUA&T with cost for single and twin sharing basis etc.**

Important Dates:

- **Abstract/ Extended Summery** -15September
- **Online Registration** -15 September
- **Accommodation Request** -15September (Guest House Facility is Limited, So first cum first serve process follow).

Note- Hotel in Faizabad (Ayodhya) will be arranged by organizing committee on the basis of request up to 15September. Hotels fare is Rs. 2000 to Rs.5000/night charge basis (Transportation facility will be provided by organizing committee from Faizabad.

Payment Details Account No-41354319632 IFSC- SBIN0006925 BANK NAME- STATE BANK OF INDIA BENEFICIARY NAME- ALUMNI ASSOCIATION OF ANDAUT, KUMARGANJ BRANCH ADDRESS- NDUAT Pithla, KUMARGANJ, FAIZABAD (AYODHYA)
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ORGANIZING COMMITTEE**Patrons :**

- Sri Ambresh Singh, President, Alumni Association
- Prof. P.S. Parmaniki, CVSc. & AH
- Prof. Bhagwandeem, Dean COHF
- Prof. Sadhna Singh Dean COCS
- Dr N.C. Shahi, Dean, MMCAET
- Dr Sushil Kumar Singh, Director Research
- Dr R.B. Singh, Director Extension
- Sri Neeraj Srivastwa, Comptroller
- Dr C.P. Singh, Dean Fisheries
- Dr D. Niyogi, DSW

Exhibition & Sponsors Details:**Exhibition-**

An exhibition will be organised at ANDUA&T, Kumarganj, Ayodhya (UP) during the conference. The exhibition area will be the thematic area of conference to maximize the opportunity for delegates to visit the area. It has limited access to non-delegates/ students/ farmers also. Space for exhibition can be reserved by contacting the organizers. Exhibitions will get 3x3 m space within the exhibition area, having three side wall, carpet, 1 table, 2 chairs etc. as needed. Space can be reserved by contacting the organizers. Charges for the exhibitions stall is **Rs. 25000/-**

Sponsors:

Organizers will be delegated to have as sponsor for this national event. This is a unique opportunity to promote your organization on the national forum. Sponsors of the conference will get marketing exposure to extensive on site visibility to post event coverage. Sponsoring the Conference is the ideal way to reach a huge gathering of scientists, administrators, police and decision makers and farmers/consumers. This will provide an excellent opportunity to cost effective marketing. In order to provide maximum flexibility to the sponsors, we have different sponsorship levels, a detail of which along with other information is given below. Sponsors may contact the organizers to negotiate various combinations in order to maximize their opportunities.

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Name/Logo of sponsor to be displayed at prominent places including dais.

Presentation opportunity during the workshop with two member Registration free.)

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Advertisement in souvenir (Full page colour) with two member Registration free

Silver Sponsor (Rs. 25000/-)

Advertisement in souvenir (half page colour) with one member Registration free.

About Ayodhya

Ayodhya is a city situated on the banks of holy river Saryu in the Indian state of Uttar Pradesh. It is the administrative headquarters of the Ayodhya district as well as the Ayodhya division of Uttar Pradesh, India. Ayodhya, also known as Saket, is an ancient city of India, is the birthplace of Rama and setting of the great epic Ramayana.

Most popular places for visit in Ayodhya-

Ram ki Paidhi

Kanak Bhawan



Hanuman Gadhi

Sri Ram Janm Bhumi



Sita ki Rasoi

Nageshwarnath

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