

Climate Resilient Agriculture for Food Security and Sustainability

February 17-19, 2023

at **Chaudhary Charan Singh** Haryana Agricultural University Hisar 125 004 (INDIA)

International Partners

Indian Partners





















































Aim and Objectives of the conference

CCS Haryana Agricultural University, Hisar (CCSHAU), a leading citadel of agricultural education, research and outreach activities, is making



overwhelming success under the dynamic leadership of Prof. B.R. Kamboj, Vice-Chancellor of the university. Under his leadership, CCSHAU has made several new strides and achieved many excellences contributing to socio-economic welfare of agrarian masses and stakeholders from the allied sectors alike. With the advent of International Nutri-Cereal Year 2023: an initiative of UN worldwide, CCSHAU has taken a

step forward in organizing an International Conference on "Climate resilient agriculture for food security and sustainability" with immense pleasure to welcome delegates from scientific fraternity from across the globe for participation in this very timely and focused International Conference to enrich the knowledge and experiences of all stakeholders to make tangible contributions towards sustainable goals to be held during February 17-19, 2023 at CCS HAU Hisar, Haryana (INDIA).

Sub-themes

- Phenomics and Genomics
- Crop resilience to fluctuating environments:
 Genetic and management aspects
- Conventional Plant Breeding and modern biotechnology for crop improvement: Genome editing for improvement of target traits
- Renewable energy and Precision agriculture

- Resource conservation technologies and resource use efficiency (Land, water and nutrients)
- Horticulture and Agroforestry
- Artificial Intelligence in agriculture and allied sciences
- Management of biotic, abiotic stresses and nutritional deficiencies in crops

- Organic / Natural Farming: Organic adjuncts biofertilizers and ecological processes
- Aqua farming and poultry farming
- Promoting agripreneurship for agribusiness towards food security and sustainability
- Community capacity building for sustainable development

Registration, Brochure and Fee payment etc.: https://www.hau.ac.in/intclimate2023/

Registration Fee (Including GST)

Academic faculty / Industrial Delegates/State Functionaries / NGO Representative	Rs.6000/-
*Bonafide Students/Research Scholar /RAs/SRFs/Young Professionals	Rs.3000/-
International Faculty / Delegates	(USD) \$ 300

^{*}Bonafide Students/Research Scholar/RAs/SRFs/Young Professionals in educational institution should submit an eligibility document duly endorsed by Head of Department accompanied by a photocopy of Identity Card.

Sponsorship

Platinum Sponsor – ₹ 7.5 lakhs
Complementary registration for 4 delegates
☐ Space of 18'×18'
Gold Sponsor – ₹ 5.0 lakhs
Complementary registration for 3 delegates
☐ Space of 18'×9'
Silver Sponsor – ₹ 3.0 lakhs
Complementary registration for 2 delegates
☐ Space of 9'×12'
Delegate Kit Sponsor – ₹ 2.0 lakhs
☐ Space of 9'×9'
Lunch / Dinner / High Tea Sponsor – ₹ 2.5 lakhs
Complementary registration for 1 delegate
☐ Space of 9'×9'
Common Features for All Categories
Banner will be displayed at event venue
Company Logo at home page of conference
A letter of acknowledgement will also be issued
☐ Hyperlink to your website
Important Dates
Al-++ C

Abstract Submission Open : December 26, 2022 Abstract Submission Deadline : January 27, 2023

Abstract Acceptance Deadline : February 1, 2023

Call for Papers

Authors are invited to submit abstract of their research work in the format on the web link: https://www.hau.ac.in/intclimate2023/. The abstract should be typed in english language using MS word (single space; font—Times New Roman; font size-12 and should not exceed 250 words. The abstract must contain title of the paper, name(s) of the author followed by their affiliation, contact number and e-mail. The name of presenting author must be underlined. After peer review, paper will be selected for oral / poster presentation and will be informed accordingly. At least one author should register for the conference after obtaining NOC from co-authors. The presenting author will also submit undertaking that the abstract has not been presented/ published previously anywhere and there is no conflict of interest. Delegates, after successful registration, shall be required to furnish travel itinerary to assure smooth arrangements necessary for accommodation and transport. Accommodation may not be guaranteed for spot registration.

Accommodation

Registered delegates will be accommodated in Faculty House and Farmers Hostel at the university campus or at the available guest houses in different institutes on first-come first served basis on official prescribed rates. Other guests will be provided accommodation in the hotels located in the town. Hotel accommodation would be reserved on advance payment on prescribed rates to Organizing Secretary, INTCLIMATE-2023 through online mode or through demand draft by post to Organizing Secretary cum Dean College of Agriculture, CCSHAU Hisar – 125 004 (Haryana) INDIA.

About the University

Chaudhary Charan Singh Haryana Agricultural University popularly known as HAU, is one of Asia's biggest agricultural universities, located at Hisar in the

Indian state of Haryana. It is named after India's seventh Prime Minister, Chaudhary Charan Singh. It is a leader in agricultural research in India and contributed significantly to Green Revolution and White Revolution during 1960s and 70s. It has a very large campus and has



several research centres throughout the state. HAU was initially a campus of Punjab Agricultural University, Ludhiana. After the formation of Haryana in 1966, it became an autonomous institution on February 2, 1970 through a Presidential Ordinance, later ratified as Haryana and Punjab Agricultural Universities Act, 1970, passed by the Lok Sabha on March 29, 1970. University is spread over an area of 7219 acres at Hisar and 1426 acres at outstations. During its existence so far it has made rapid progress in building an excellent infrastructure. It has one of the best developed campuses in India to meet academic and extra-curricular needs of the students.

About the City

Once known as Hisar-e-Firoza by its Turkic ruler founder Firuz Shah Tughlaq in the year 1354 AD. He adorned his new town with several historical buildings such as fort, palaces, tombs, mosques, gates and gardens. Some of monuments are still in good state of preservation. 'Hisar' is an Arabic word which means 'Fort'. It is situated one hundred eighty kilometers west to Delhi and is one of the important cities of North India, located at 29°09'N and

75°42'E in the state of Haryana. Several educational institutions including reputed educational CCS Haryana Agricultural University, Guru Jambheshwar University and Lala Lajpat Rai University of Veterinary & Animal Sciences are established in Hisar. Ever since, the Government's positive policies have played a vital role in the economic development of the city. The industrial policy of the government has attracted large number of entrepreneurs and resulted into the industrialization in and around the city.



Climate

The climate of Hisar owes to its continental location on the outer margins of the south-west (SW) monsoon region. It has tropical monsoonal climate and is characterized as arid type of climate. The average annual rainfall is around 450 mm. The maximum day temperature during the summer varies between 40°C to 46°C. During winter it ranges between highest at 28°C to lowest being around 3°C. The highest amount of dew fall is observed in December and January, whereas, lowest in April and November months. Weather during the conference period would be congenial.

International Advisory Committee

- Dr. Bram Govaerts, CIMMYT
- Dr. Jacqueline d' Arros Hughes, ICRISAT
- Prof. Ing. Achim Ibenthal, Germany
- Prof. Rattan Yadav, U.K.
- Dr. Monica Baga, Sweden
- Dr. Ravindra N Chibbar, Canada
- Dr. Ashok Dhawan, USA
- Dr. Katherine Steele, U.K.
- Dr. Eric Ober, U.K.
- Dr. Simon Griffiths, U.K.
- Dr. Ahmed Jahoor, Denmark
- Dr. Surya Kant, Australia
- Prof. S. Admet Bagci, Turkey
- Prof. Dr. Susanne Neugart, Germany
- Dr. Arthur Kote, Germany
- Dr. Harbans Bariana, Australia
- Dr. Karim Maredia, USA

- Dr. Arthur Riedacker, France
- Dr. Andreas Boerner, Germany
- Dr. Edward Arseniuk, Polland
- Dr. O.P. Dhanker, USA
- Dr. K.S. Gill, USA
- Dr. Kedar Adhikari, Australia
- Dr. Rajiv Varshney, Australia
- Dr. Olden Frank, Germany
- Dr. Ismail Chakmak, Turkey
- Dr. Bruno.J. Strasser, Switzerland
- Dr. Arun Joshi, CIMMYT
- Dr. Parmod Aggarwal, IRRI
- Dr. Katja Lasch, DAAD
- Dr. Manfred Kern, Germany
- Prof. Geert Haesaert, Belgium
- Dr. Takuro Shinano, Japan

National Advisory Committee

- Dr. R. S. Paroda, Former Director General, ICAR cum Founder Chairman, TAAS
- Dr. Himanshu Pathak, Secretary (DARE) & Director General (ICAR)
- Sh. Sanjeev Kaushal, Chief Secretary (Government of Haryana)
- Dr. Sumita Misra, Additional Chief Secretary Agriculture & Farmers Welfare & Vice-Chancellor, MHU, Karnal
- Sh. Ashok Khemka, Principal Secretary, Department of Science & Technology, Haryana
- ❖ Dr. Narhari Singh Banger, Director General Agriculture & Farmers Welfare, Haryana
- Dr. R. C. Aggarwal, Deputy Director General Agricultural Education and ND NAHEP
- Dr. T. R. Sharma, DDG, Crop Science, ICAR, New Delhi
- Dr. Suresh Kumar Chaudhary, DDG, NRM, ICAR, New Delhi
- Dr. Vinod Kumar Verma, Vice-Chancellor, LUVAS, Hisar
- Dr. Satbir Singh Gosal, Vice-Chancellor, PAU, Ludhiana
- Dr. Manmoham Singh Chauhan, Vice-Chancellor, GBPUA&T, Pantnagar
- Dr. H.K. Chaudhary, Vice-Chancellor, CSHPKV, Palampur
- Dr. Rajeshwar Singh Chandel, Vice-Chancellor, YSPUHF, Solan
- Dr. Chindi Vasudevappa, Vice-Chancellor, NIFTEM
- Dr. Tankeshwar Kumar, Vice-Chancellor, Central University, Mohindergarh
- Dr. D. P. Singh, Ex-Vice-Chancellor, JNKVV, Jabalpur
- Dr. P. Ramasundram, NC, (NAHEP), ICAR, New Delhi
- Dr. Sain Dass, Ex-Director, ICAR-Indian Institute of Maize Research
- Dr. Tirtha Kumar Datta, Director Central Institute of Research on Buffalloes (CIRB), Hisar
- Dr. Tarun Kumar Bhattacharya, Director, NRCE, Hisar
- Dr. Birender Singh Laura, Director General Animal Husbandry & Dairying, Haryana
- Dr. P. P. Singh, Director, Regional Forage Centre, Hisar, GOI
- Dr. O. P. Yadav, Director, ICAR-CAZRI, Jodhpur
- Dr. Gyanendra P. Singh, Director, ICAR-IIWBR, Karnal
- Dr. P. C. Sharma, Director, ICAR-CSSRI, Karnal
- Dr. Praveen Kumar, Director, ICAR-CCARI, Goa
- Dr. Abhay Kumar Vyas, ADG, HRM, ICAR, New Delhi
- Dr. D. K. Yadav, ADG, Seeds, ICAR, New Delhi

Local Advisory Committee

- * Dr. Atul Dhingra (OSD to Vice Chancellor)
- * Dr. Surender K. Mehta (Registrar)
- * Dr. K. D. Sharma (Dean PGS-cum-PI-IDP)
- * Dr. J. R. Sharma (Director of Research)
- * Dr. Balwan Singh Mandal (Director of Extension Education)
- * Dr. Manju Mehta (Director HRM & Dean COHS)
- * Dr. Neeraj Kumar (Dean COBS&H and Dean COFS)
- * Dr. Sudhir Kumar (Dean College of Biotechnology)
- * Dr. Baldev Dogra (Dean COAE&T)
- Dr. M. S. Sidhpuria (Estate Officer-cum-Chief Engineer) *
- * Mr. Naveen Jain (Comptroller)

Scientific Co-coordinators

- Dr. S. S. Pahuja (Ex-Dean, COA) *
- Dr. Asha Kawatra (Ex-Dean, PGS) & In-charge International Affairs Cell *
- * Dr. A. K. Chhabra (Ex-Dean, COA)
- * Dr. Ram Niwas (Ex-Dean, COA & DR)
- * Dr. M. L. Khichar (Associate Dean, COA)
- * Dr. Rajesh Gera (Additional Director of Research)
- ٠ Dr. Satish Kumar (Project Director)
- Dr. Raj Singh (Associate Dean, PGS)

Organizing Committee

Chief Patron

Professor B. R. Kamboi

Vice-Chancellor, CCSHAU & GJUS&T, Hisar

Organizing Secretary

Dr. Surender K. Pahuja

Dean, College of Agriculture, CCSHAU, Hisar

Co-Organizing Secretary

Dr. Kushal Rai +91-82951-41777

Dr. Anil Kumar

+91-94672-42864

Prominent Speakers





Prof. Ahmet Bagci (Turkey)



Prof. Arthur Riedacker



Dr. Manfred Kern



Dr. Katja Lasch



Dr. Surya Kant (Australia)



Dr. Rattan Yadav (U.K.)



Prof. Ing. Achim Ibenthal



Dr. R N Chibbai

(Canada)



Dr. K Steele (U.K.)



Dr. R. K. Behl

Intclimate-2023 Conference Secretariat

Account No.: 41506344919 IFSC Code: SBIN0001566

Bank: State Bank of India, HAU Hisar

MERCHANT NAME: DEAN COLLEGE OF AGRICULTURE

SCAN & PAY



Dean

College of Agriculture-cum-Organizing Secretary

CCS Haryana Agricultural University Hisar 125 004 INDIA Email: intclimate2023@gmail.com | Website: www.hau.ac.in Contact Number: +91-94162-70318, +91-79885-75322

Emergency Useful Numbers

National Emergency Number-112, Police-100, Fire-101, Ambulance-102, Tourist Helpline-1363, Women Helpline-1091, Disaster Management/Medical Helpline-109