



Platinum Jubilee Celebration of College of Agriculture, Jorhat

**INTERNATIONAL CONFERENCE ON BIODIVERSITY,
FOOD SECURITY, SUSTAINABILITY & CLIMATE CHANGE
(ICBFSCC-2023)**



Venue : AAU, Jorhat, Assam during APR 25-28

Brochure



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ORGANIZED BY:

College of Agriculture, Assam Agricultural University, Jorhat, Assam, India

&

Prof. H.S. Srivastava Foundation For Science, Lucknow, Uttar Pradesh, India



Invitation

Dear Colleagues,

The organising committee welcomes you to attend the ICBFSCC-2023 during 25th-28th April, 2023 at Jorhat, Assam, India. We are delighted to invite all the participants interested in sharing their knowledge and research in the areas of Science and Technology. The conference anticipates more than 1500 participants around the globe with thought provoking Keynote Lectures, Oral and Poster presentation. Additionally, we are organising a satellite conference on "Natural farming", a workshop on "Agricultural Entrepreneurship", and a conclave of farmers and young scientists. The conference would be a watershed for policy makers, thinktanks, technocrats, academicians and farmers group for deliberation and exchange of knowledge in various spheres of science, agriculture, innovation, sustainability and climate change.

With kind regards

About the conference

Numerous climate reports have demonstrated that climate change is a global problem. It has been commonly established that some nations will be more severely impacted by climate change than others, with serious consequences on biodiversity, sustainability, and eventually food security. This is also the time to frame appropriate policies, strategies, and research projects to develop technologies and measures for a climate friendly world.

Now it is aptly clear that climate change poses considerable challenges to food security. Adapting food systems both to enhance food security for the poor and vulnerable and to prevent future negative impacts from climate change is the need of the hour. Meeting the challenges of climate change and food security calls for poverty eradication, reduced global inequality, assured resource rights, the promotion of stable livelihoods, and gender equity and hence these challenges need to be discussed at length at various platforms.

The Prof. H.S. Srivastava Foundation for Science and Society, Lucknow (PHSSF), and Assam Agricultural University, Jorhat (AAU) are highly concerned about creating an environment for climate resilient agriculture for exchanging approaches and results obtained so far with the world community engaged in the development of climate resilient agriculture. AAU & PHSSF in a joint venture, is planning an **International Conference on "BIODIVERSITY, FOOD SECURITY, SUSTAINABILITY & CLIMATE CHANGE" (ICBFSCC - 2023) during April 25-28, 2023, at AAU, Jorhat**, to create a platform for international partners together with national partners to formulate appropriate policy and research directions for achieving the climate neutral goal in the shortest possible time.

Objectives of the society

It is a great privilege for the society to pave the way for interactions among the world class scientists concerning sustainable development, utilization of non-conventional and renewable sources of energy, and to undertake research as well as extension for augmentation of scientific culture and heritage of society.

Aim of ICBFSCC-2023

To bring together all stakeholders in a single platform to share knowledge, academic debate and to highlight climate change, biodiversity, agriculture sustainability research and academic activities carried out in various Universities, Research institutes, NGOs and corporate bodies across the globe.

Host institution

Assam Agricultural University is the first institution of its kind in the North-Eastern Region of India. The main goal of this institution is to produce highly competent human resources and to carry out research for production optimization as well as disseminate the generated technologies, while emphasizing on sustainability, equity and overall food security at household level.

Crop physiology, one of the frontline departments in AAU, is engaged in basic and applied innovative research on physiological problems in crops, as well as teaching UG and PG students. The department is also involved in the areas of climate change research.

Accommodation

Accommodation will be ensured for those who clearly write in advance for the same and will be arranged in hotels, private guest houses including the university guest house on payment basis. Decent hotels at modest tariff are available within a 5-6 km drive from conference venue. All correspondence regarding accommodation may be addressed to:

Dr. BHABESH GOGOI
Scientist, AAU, Jorhat-785013, India.
Mobile: +91-9435352867/7002600395,
email: bhabesh.gogoi@aau.ac.in



About Assam

Assam is situated in the North-eastern part of India, which is one of the richest biodiversity zones in the world, consisting of tropical rainforests, deciduous forests, riverine grasslands, bamboo orchards and numerous wetland ecosystems. Kaziranga National Park and Manas National Park are World Heritage sites located in Assam. Assam has conserved the one-horned Indian rhinoceros from near extinction. Assam is also known worldwide for its tea and silk, and remarkably rich in Orchid diversity, the Foxtail orchid being the state flower.

The conference place Jorhat, the second largest city and cultural capital of Assam is also an educational hub of the state of Assam.

Weather of Jorhat

Weather at Jorhat during April is very pleasant. The temperature during the period ranges between 31.3°C (88.3°F) and 19.6°C (67.3°F).

How to reach AAU, Jorhat, Assam

Jorhat is well connected and approachable by air, rail and road. The University is at a distance of 4 km from Jorhat Airport, 6 km from Jorhat Railway station and 5 km from the Inter-State Bus Terminus.

For participants starting their journey from New Delhi, a number of superfast direct trains to Mariani Railway Junction (17 Km from Jorhat) are available. Taxi service can be availed from Mariani to reach respective Hotels/Guest houses.

Foreign and Indian Nationals flying via Delhi, Chennai, Kolkata, Mumbai, Bangalore and Hyderabad may land directly in Jorhat or via Guwahati (gateway to Northeast India). Bus, train as well as taxi service from Guwahati to Jorhat can be accessed. Flight can also be accessed up to Dibrugarh, Tezpur or Dimapur (Nagaland) airport from where one can reach Jorhat by public or private transport.

Help desks service will be available at Jorhat, Dibrugarh and Dimapur airports as well as in Jorhat and Mariani Railway stations for convenience of the participants.

All correspondence regarding travelling may be addressed to:

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Places of tourist interest and biodiversity hotspot locations in northeast

Kaziranga, Manas, Nameri and Dibru Saikhowa, Orang National Park (Assam), Sessa Orchid Sanctuary (West Kameng), Dihing-Dibang Biosphere Reserve (Dibang Valley), Kamlang Wildlife Sanctuary (Anjaw), Namdhapa National Park (Changlang), Orchid Research Centre (Balukpong).

IMPORTANT NOTES FOR FOREIGN PARTICIPANTS

- The foreign participants may kindly enclose the conference invitation letter, security clearance letter issued by MHA GOI (to be provided by conference organizer), conference brochure of ICBFSCC-2023 along with Foreign Travel Passport documents during submission of application for Protected Area Permit (PAP) in their related offices. Clearance may take 1-2 working days.
- Foreign participants are requested to apply Indian visa in advance through Indian Embassy (2-3 months before the commencement of the conference) for early political clearance to be made by ministry of External Affairs, GOI.

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Conference Theme & Subtheme:

Climate Change, climate variability and Natural Resource Management

- 1) Climate science and modeling; Impacts and adaptation assessment; Hazard prediction and preparedness, Hydrologic modeling; Snow and glaciers; Water governance: Efficiency and innovation.
- 2) Carbon sequestration; Climate Change in Himalayan ecosystem. Agroforestry is an appealing option for sequestering carbon on agricultural lands. Forests, Carbon and Climate Change – Local and International Perspectives. Assessment of ecosystem services imparted by forests.
- 3) Use of renewable energy for mitigation of climate change.
- 4) Concept of carbon neutral, carbon farming, carbon credit, carbon footprint.
- 5) Environmental problems of the Indian Himalayan Region
- 6) Earth Science & Geo Science, Use of remote sensing GIS in agriculture and Crop modeling.
- 7) Environmental Management of Urban areas and forest. Protected areas- management issues & solutions.
- 8) Disaster mitigation and management.
- 9) River basins, ground water, irrigation and water management
- 10) Solid waste management, phyto remediation, heavy metal toxicity
- 11) Use of space technology in Biological research, disaster management, geology, geography and geospectral, hydrological studies, land use.

Biodiversity and Ecosystem Services

- 1) Status, threats to and management of biodiversity; Biological invasions; Payment for ecosystem services
- 2) Ecosystem- Agriculture and Biodiversity Research & Documentation:- Emerging Approaches & Techniques.
- 3) Biodiversity & Conservation:- In-situ and ex-situ methods, Mountain Biodiversity-Landscapes, Aquatic

Biodiversity Research.

- 4) Wildlife Research, Conservation and Sustainable Livelihoods.
- 5) Crop and animal diversity, Agro-ecosystems and Importance of Wetlands, Cultural, Spiritual and Linguistic Linkages of Biodiversity Plant, Animal and Microbial Bio-resources- Taxonomy, Conservation, Endemism, Scopes and challenges, Himalayan Biodiversity Special-Research, Conservation.
- 6) Tourism concept.
- 7) Introduction of new crop and diversification at regional regional and global scale.

Sustainability

- 1) Sustainable management of Natural resources and environment.
- 2) Sustainable in relation with Agriculture, Horticulture, animal husbandry, fisheries and other allied sciences.
- 3) Molecular biology of plant and animal , Physiological and molecular aspects of stress, stress concept in biology, phyto-remediation and nutrition stress
- 4) Peace full use radiation technology in agriculture e.g. development of variety through mutation etc.
- 5) Fishery science applications including recovery planning, design of marine protected areas, fisheries management, marine mammal conservation, stock assessment, anthropogenic impacts on terrestrial and aquatic ecosystems, policy, decision making, socio-political and socio-economic impacts of management actions
- 6) Challenges in improvement of plantation, forage, aromatic & medicinal Plants. Integrated pest management. Soil, water and nutrient management
- 7) Waste management: Industrial and agricultural Radioactive Waste Management
- 8) Future use of nanotechnology in sustainable development.



Conference Theme & Subtheme:

Human Health Sustainability under changed climate

- 1) Life style related diseases : opportunities and challenges
- 2) Climate Change Threatens Health
- 3) Climate Change and Occupational Health , and Diseases, nutrition Mental Health, Impact of climate change on Japanese encephalitis, hepatitis E, bioavailability of iron and vitamins for human health
- 4) Impact of climate change on areas of cancer, stroke, diabetes, vector borne disease, tuberculosis, leishmaniasis, cardiovascular diseases, mental disorders, arthritis, skin disorders etc.
- 5) GIS mapping of vector borne disease with geo-climate factors.
- 6) Public health interventions of Health on Women and Child development, social justice etc.
- 7) Support for health and viability of some rural communities who have suffered from local foods to commercial foods.
- 8) Ensure food options remain relevant to local cultural, physiological and biomedical needs.
- 9) Dietary diversity related to changing food consumption patterns in present day context.

Gender, IPR Livelihood

- 1) Tribal and village livelihood , Nutrition, health and well-being; Development for marginalized groups
- 2) Conservation and Livelihood, Biodiversity Laws, Traditional Knowledge System,
- 3) Capacity building and skill development, Women's empowerment and enterprises
- 4) Promotion of conservation education; harnessing religious sentiments for restoration of ancient sacred forest,
- 5) Prioritize adaptation responses that are linked to climate change projections
- 6) Support education, public awareness and environmental

advocacy responses that can help people recognize links among social, environmental and economic components of the system

7) Gender sensitization in NRM. Indigenous Knowledge Documentation and Database.

8) Intellectual Property Rights and Bio-piracy, Peaceful use of atomic energy in medical science

Food Security

- 1) Defining food systems and food security
- 2) Sustainable crop productivity in relation to climate change, integrated crop management for food security
- 3) Suitable technological packages and delivery systems for sustainable development of the region in harmony with local perceptions
- 4) Propagation and packages of high value plants in horticulture
- 5) Impacts of climate change on food security
- 6) Storage facilities and ability to change annual crop selection in response to El Nino projections, climate information relevant to farming
- 7) Access to formal credit for farmers and potential evaluation and readoption of traditional land management systems
- 8) Index-based crop insurance market access for small-scale farmers transitioning from food production based livelihood to alternative livelihood

Other diversified field of research

- 1) Information technology related to climate change
- 2) Precision farming
- 3) Natural Farming: Scope for Environmental revitalization through natural farming.
- 4) Organic Farming
- 5) Carbon Farming
- 6) Bamboo based agroforestry model for northeast India
- 7) Use of radiation technology in biological research

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Particulars	Date
Abstract opening date	November 02, 2022
Abstract submission closing date	December 21, 2022
Notification of Accepted Papers	January 3, 2023
Early Bird Registration Deadline	January 4, 2023
Final Registration Deadline	February 4, 2023

Participants	Early Bird Regn. by Jan 4, 2023	Regn. after Jan 4, 2023
From outside SAARC Countries	US\$ 150	US\$ 170
From SAARC Countries	US\$ 100	US\$ 120
Student outside SAARC	US\$ 50	US\$ 70
Accompanying Person	US\$ 50	US\$ 70
Institute Participation, India	INR 50,000	INR 50,500
Individual Participants, India	INR 6000	INR 6500
Student SAARC & India	INR 2000	INR 2500
SRF / RA / JRF	INR 3000	INR 3500
Accompanying Person	INR 3500	INR 4000

Note: Regn. fee non refundable and it includes tea, lunch & dinner, conference kits. It does not include accomodation, tour and travel.

HOW TO SUBMIT ABSTRACTS/PAPERS

The abstracts should not exceed 500 words in font Times New Roman

Font size 12 typed in MS word file.

The paper/abstract should bear article title, author, author affiliation, pin code/Zip code and mail ID of author.

Abstract should contain 4-6 key words.

The abstract and dully fillup registration should be sent to the

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E-mail ID: icbfsc_23@gmail.com/
icbfsc_23@aau.ac.in

Procedure

BANK ACCOUNT DETAILS

There will be provision of online registration. Fee may be deposited directly to the conference account "ICBFSCC-2023", account number 37523583700 Payable at SBI, AAU, Branch (IFSC Code: SBIN0002003, MICR Code: 785-002-006), Jorhat, Assam, India

• Hard copy of Registration form may also be submitted through courier and postal services.

• Scanned and soft copy of Registration form and Bank Draft (scanned copy) of Registration Fee may be sent to the

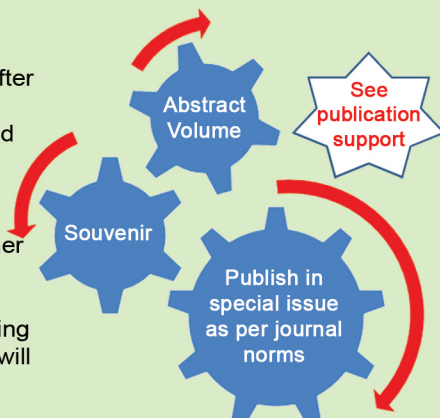
Treasurer, ICBFSCC-2023
email.: icbfsc_23@gmail.com / icbfsc_23@aau.ac.in
Assam Agril. University, Jorhat-785013, Assam, India.
website : <https://icbfsc.aau.ac.in>

PRESENTATION MODE

- ORAL PRESENTATION
10 minutes
- POSTER PRESENTATION
size of 3 feet wide and 4 feet height
- BEST PAPER & POSTER AWARD
Best paper & poster award will be given to the participants
- Young scientist conclave, where citation and award will be provide to selected scientist below 40 years

PUBLICATION

The selected papers after thorough review and editing will be published as special thematic section papers or regular papers in PMBP / CCES and other journals as per journal rules. No special consideration for relaxing its novelty and quality will be accepted for its publication.



PUBLICATION SUPPORT

Journal Name	Link
Climate Change and Environmental Sustainability (CCES),	http://www.indianjournals.com/ijor.aspx?target=ijor:cces&type=home
Physiology and Molecular Biology of Plants	https://link.springer.com/journal/12298
Andhra Agricultural Journal	https://aaj.net.in/
Research Journal of Agriculture & Forestry Sciences	http://www.isca.in/AGRI_FORESTRY/
Biotech Today: An International Journal of Biological Sciences	www.indianjournals.com SSN: 2319-2816 (print), 2322-0996 (web)
Pelion Journal	http://www.ehsst.org/journal.html
Research Journal of Recent Sciences.	http://www.isca.in/rjrs/Introduction.php

