



**Sher-e-Kashmir
University of Agricultural Sciences &
Technology of Kashmir**

Main Campus, Shalimar, Srinagar Kashmir (J&K) India-190025



2nd Circular

Brain Storming Workshop on

**Carbon
Farming
2024**

Date
November 6-7
2024

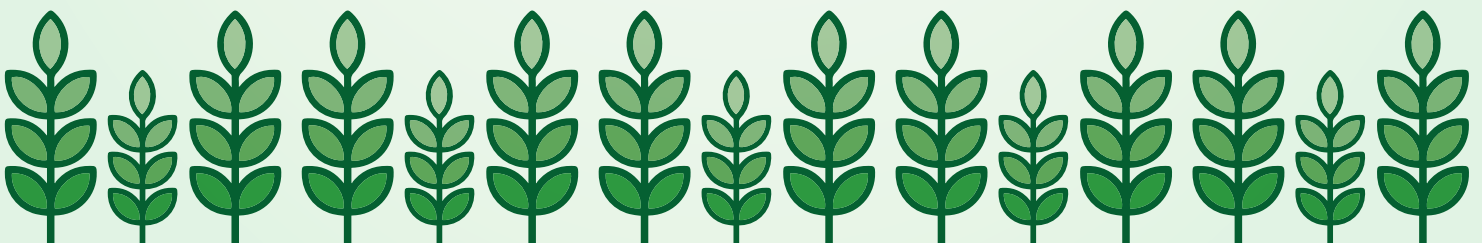
Venue
SKUAST-Kashmir
Shalimar

Organizer

*Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir
Shalimar, Srinagar, Kashmir
& Kashmir Chapter of Indian Society of Agronomy (ISA), IARI, New Delhi*

In Collaboration with

Holistic Agriculture Development Programme (HADP), Govt- of J & K



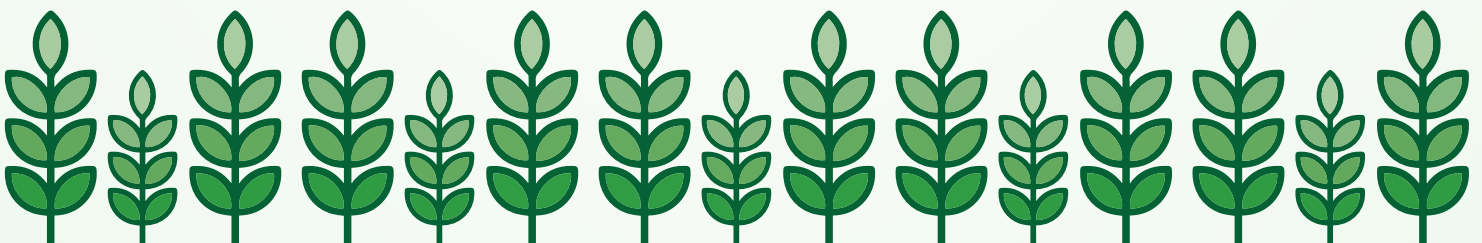
BACKGROUND

In light of escalating environmental concerns and the pressing need for climate-resilient agricultural practices, carbon farming has emerged as a crucial mechanism within the agriculture sector globally. While agriculture holds immense importance for humanity, the current climate change presents notable obstacles to food production and accessibility, impacting the livelihoods and earnings of small-scale farmers. In response to prevailing food and nutritional challenges, all members of the World Health Organization (WHO) embraced the United Nations' 17 Sustainable Development Goals (SDGs) in 2015, including the objective of achieving zero hunger or eliminating undernourishment by 2030. Various sectors related to agriculture and its allied fields such as field crops, horticulture, livestock, fishery, and poultry are closely linked to various United Nations SDGs, particularly those related to zero hunger, nutrition, and climate action. Adverse effects of climate change and its consequences have been the most challenging obstacles. Towards this, immediate action is required for sustainable conservation of bio-diversity and enhancing soil organic matter through regenerative agriculture to improve soil health. Carbon farming aligns with several SDGs, including those related to climate action, life on land, and responsible consumption and production. Its adoption can help achieve these goals by fostering environmentally resilient agricultural practices. Government initiatives in India actively advocate for sustainable agricultural practices, illustrating the need for collaborative efforts to steer agriculture towards a sustainable, carbon-sequestering model. This comprehensive approach, encompassing innovative techniques, supportive policies, and empowering farmers, sets a positive course towards a futuristic agriculture can meet global food demands while promoting environmental resilience and health. Henceforth, a forward-thinking perspective on carbon farming as a cornerstone for sustainable agriculture and food security highlights its transformative potential to achieve the SDGs.

In the proposed brainstorming session, all these issues/problems/threats of agriculture will be discussed at the national platform to take stock of technology, capital available to address these issues. Based on the deliberations of the proposed session, future research strategies and recommendations will be developed to address the emerging matrix of the agricultural problems in holistic manner. Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K) has history of organizing successful national and international conferences, which ended with sound recommendations for solving the problems of food and nutritional security. Realizing the importance of the global issue, we expect overwhelming participation of delegates from across the country. It is hoped that their pro-active participation will play innovative and decisive role in shaping the future agronomic research aiming to look on challenging and emerging issues for farmers' welfare and environmental security. We consider it our privilege to extend you a warm invitation for your active participation in the brain storming session to accomplish its objectives. Looking forward to meet you in the meeting at Srinagar, Kashmir

SUB-THEMES OF THE WORKSHOP

- ▶ Carbon Farming, Challenges, Opportunities and its impact on agriculture
- ▶ Crop response to abiotic and biotic-stress and its mitigation
- ▶ Machine learning & artificial intelligence in Sustainable Natural resource management
- ▶ Remote sensing and GIS applications in carbon mapping
- ▶ Role of allied sectors in fostering agriculture sustainability
- ▶ Weather based information for risk management in agriculture
- ▶ Carbon Trading and Policy Actions in Carbon Nutrient Farming
- ▶ New crops for responsive carbon farming- Innovative breeding practices for future oriented resilient agriculture



HOST INSTITUTE: SKUAST-KASHMIR

Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir (SKUAST-K) was established in 1982 with its headquarter at beautiful locale of Shalimar Srinagar. The varsity is accredited by ICAR and recognized as a Grade A State Agricultural University (SAU). With multiple campuses, it holds the 5th rank among other SAU's and proudly stands as the 1st SAU in the Innovation Band of 11-50 according to the NIRF Innovation Ranking-2024. Apart from the traditional mandates of teaching, research, and extension, SKUAST-K has embraced a fourth mandate of innovation and entrepreneurship. This commitment to fostering innovation and entrepreneurial spirit sets it apart from other agricultural universities. With its focus on innovation, entrepreneurship, and academic excellence, SKUAST-K plays a crucial role in advancing the agricultural sector in Kashmir and beyond. It nurtures young minds, equipping them with the knowledge and skills required to address the challenges of the ever-changing agricultural landscape and this contributes to the sustainable development of the region. Faculty of Agriculture is one of the oldest faculty under SKUAST-K which was established in 1960 over an area of 92 ha. It offers UG programme in Agriculture, PG & PhD programmes in Agronomy, Plant Pathology, GPB, Entomology, Extension, Economics, Soil Sciences and Microbiology. Currently the faculty is having students from across J & K, other states and other countries.

CALL FOR ABSTRACTS / PAPERS

In line with the objectives of the workshop, scientific papers for oral and poster presentation on the sub-themes listed above are invited for the two day's brain storming. Extended abstract typed in MS Word not exceeding 500 words excluding the title, affiliation etc., typed error free, single line spacing, 12 points in Times New Roman font must be submitted to the Organizing Secretary 'BSCF - 2024' through e-mail to carbonfarming12@gmail.com latest by October 05, 2024.

INVITED PAPERS

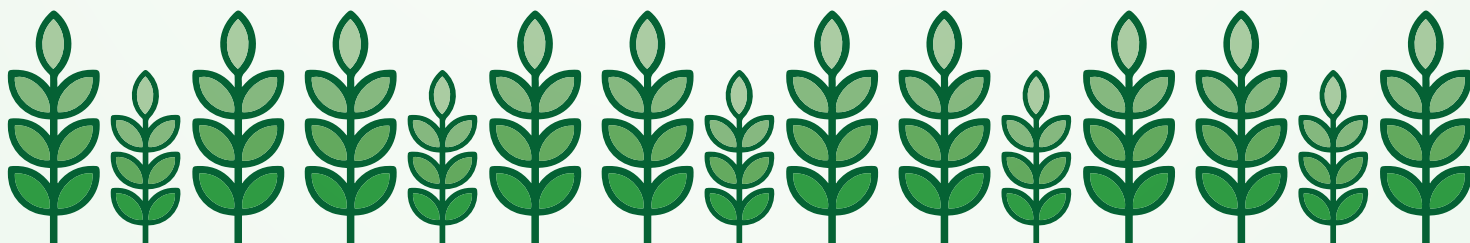
Keynote addresses and invited papers from eminent experts from India & abroad have been planned for presentation.

WHO CAN ATTEND?

Participation is open to all scientists, teachers, students, field officers and research scholars in the field of agriculture science and allied sectors. Delegates are invited to register early to enable us plan and make the best possible arrangements.

WEATHER

The Kashmir Valley has a moderate climate. Summer is usually mild and fairly dry, but relative humidity is generally high and the nights are cool. Precipitation occurs throughout the year and no month is particularly dry. The hottest month is July (mean minimum temperature 16 °C, mean maximum temperature 32 °C) and the coldest are December–January. **November** month mostly sunny and the temperature ranges between 10-20°C in the day and falls as low as 01°C in the night. The rush of tourists is low so you can enjoy sightseeing around famous attractions.



PLACES OF TOURIST INTEREST



Dal Lake, Srinagar (0.5 Km)



Shalimar Garden, Srinagar (0.1 Km)



Gulmarg (67 Km)



Pahalgham (92 Km)



Shankaracharya Temple, (16 Km)



Dachigam National Park (10 km)

REGISTRATION

Participants are requested to register themselves for participation in the conference on or before October 05, 2024. Thereafter, a late fee of - Rs. 500/- will be charged. The registration fee may be paid by Cash/ Demand Draft/Pay Order. The fee may also be credited by ONLINE transfer into the Bank Account given below:

Account Name: - Kashmir Chapter of Indian Society of Agronomy

Account Number: - 0927040520000023

Bank Name: J&K Bank, Wadura, SKUAST-K

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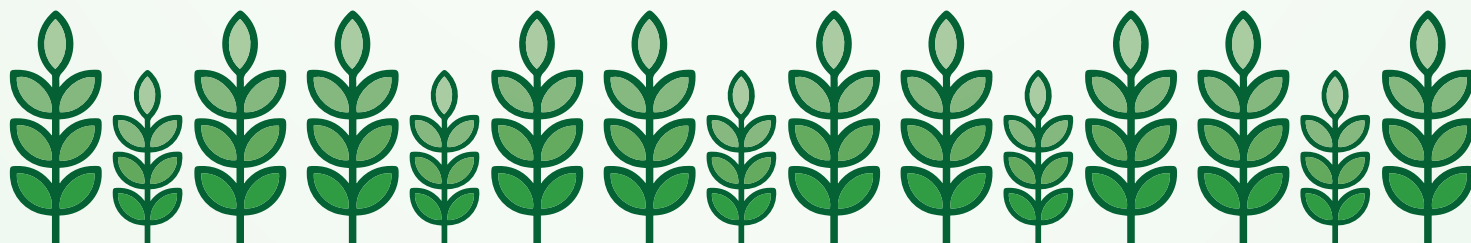
REGISTRATION FEE STRUCTURE

Members of the Association	3000/-
Non-Members	3500/-
PG students /Researchers with bonafide certificate	1000/-
Foreign delegate	US \$ 150



Scan this QR Code for
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below link

<https://forms.gle/tSdm-QUQoLP3p6FLi7>



IMPORTANT DATES

Extended Abstract:	October 15, 2024
Issue of Acceptance Letters for Papers:	October 20, 2024
Full Length Papers:	October 25, 2024
Fee without late fee:	October 20, 2024
Request for Accommodation:	October 20, 2024
Submission of Accommodation Charges:	October 25, 2024

CONFERENCE VENUE

Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir, Shalimar-190 025, Srinagar, Kashmir, UT-J&K

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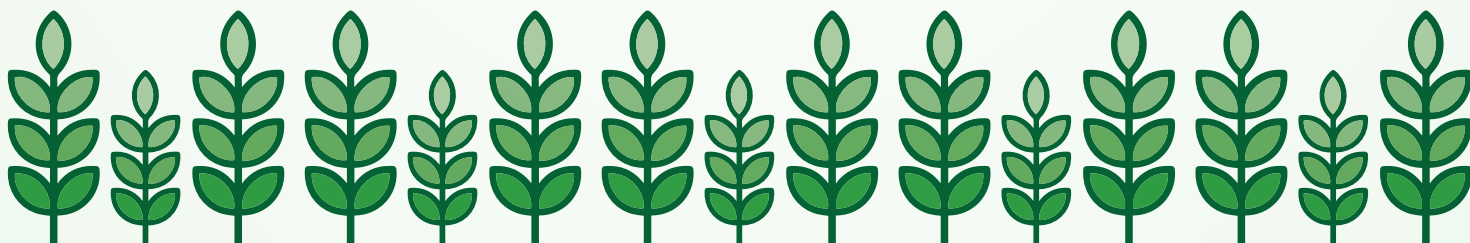
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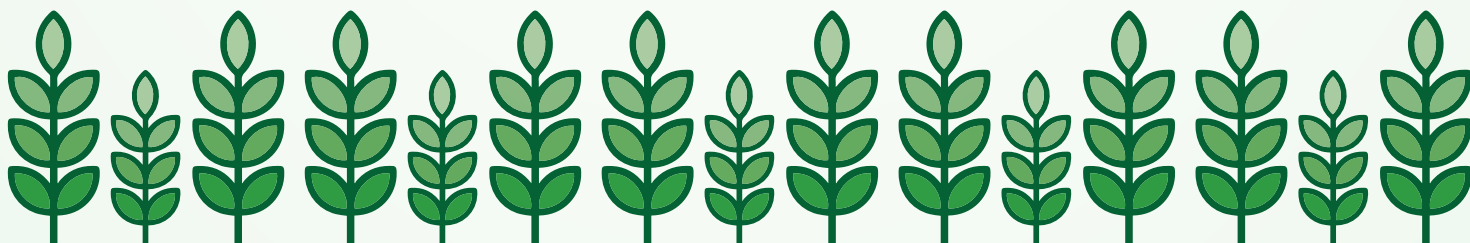
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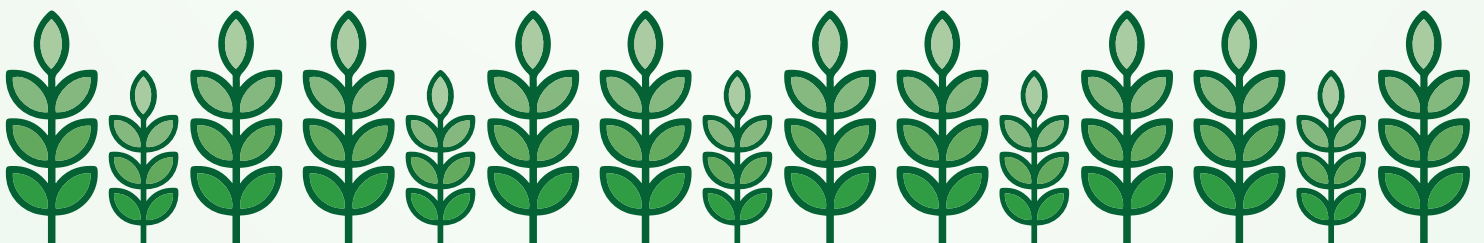
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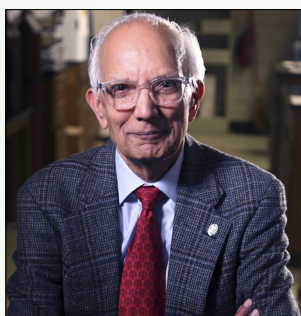
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carbonfarming12@gmail.com



Lead Speakers for the workshop



Dr. Rattan Lal, (Padma Shri) World Food Awardee



**Dr. Geeta Laxmi
VC, TNAU**



**Dr. Arvind Kumar
(Padma Shri), Ex-DDG,
VC & President ISA**



**Dr. M.L. Jat,
ICRISAT**



**Dr. Rajbir Singh
AGD, Agronomy**



**Dr. S K Sharma
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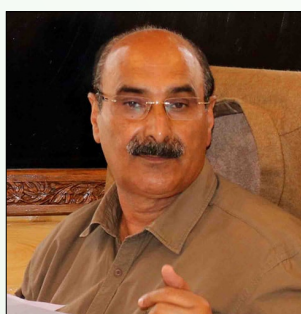
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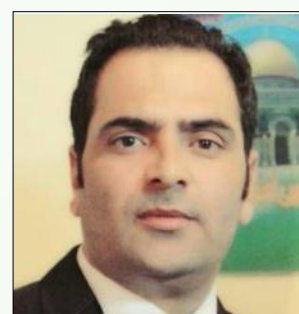
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