Jammu & Kashmir Agri Science Congress 2026

Transforming Agriculture through Innovation, Sustainability and Digital Technologies for Food Security

December 02-04, 2026

Sher-e-Kashmir Univerisity of Agricultural Sciences and Technology of Jammu (J&K) Main Campus, Chatha, Jammu-180009, India

Organized By

Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (J&K)

Catalyzed and Supported by

Jammu & Kashmir Science, Technology and Innovation Council (Department of Science and Technology, UT of J&K)

Jammu & Kashmir Agricultural Science Congress 2026

Transforming Agriculture through Innovation, Sustainability and Digital Technologies for Food Security

About the University



Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu (SKUAST-Jammu) came into existence on 20th September,1999 following the amendment in Sher-e-Kashmir University of Agricultural Sciences and Technology Act, 1982, through the State Legislature. The establishment of SKUAST of Jammu has in its background aspirations, commitment and missionary zeal to cater the needs of Jammu Division for the region specific advances through education, research and extension in the field of agriculture.The university is mandated to address the basic, strategic and applied research related to enhanced production in agriculture and allied sectors (livestock health improvement and quality based products).The university comprises 6 faculties, including the Institute of Biotechnology.

SKUAST-J is a multi-campus university with its headquarter located at Chatha, Jammu. Chatha campus possess 578.00 acres area and R. S. Pura campus has 84.13 acres land holding. The total land holding, including Research Stations/Sub-Stations and KVKS, of the University is 1223 acres. The university has been actively involved in the transfer of evolved technologies to the end users through the strong extension system. There are Ten Research Stations/Sub-Stations and nine KVK's in the University which are located in different agro-climatic zones of Jammu region for catering the location-specific needs of the farming community.

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Transforming Agriculture through Innovation, Sustainability and Digital Technologies for Food Security



About the Congress

The rapid **transformation** of agriculture driven by climate change, emerging technologies, resource constraints, changing food preferences and need for sustainable food systems is particularly complex in hilly and mountain ecosystems.

Jammu region of Jammu and Kashmir has diverse topography, fragile natural resources, fragmented landholdings, limited irrigation, difficult accessibility and pronounced agro-climatic variability influencing agricultural production and rural livelihoods. A distinctive agricultural landscape, extending from subtropical plains and foothills to intermediate and high-altitude mountainous areas provides considerable opportunities for crop diversification, horticulture, livestock production, agroforestry, medicinal and aromatic plants, protected cultivation and integrated farming systems with associated challenges of **climate variability, erratic rainfall, water scarcity, soil degradation, declining biodiversity, emerging pests, diseases, and changing production environments.** Addressing these challenges require locally adapted technologies combined with sustainable management of genetic and natural resources.

Innovation is central to transformation. Advances in **crop improvement, genomics, biotechnology, climate-smart practices, protected cultivation, mechanization, post-harvest technologies and value addition** can ensure enhanced productivity along with sustainability.

Sustainability provides the foundation for long-term agricultural development through efficient use of natural resources, integrated nutrient and pest management, sustainable livestock production, circular bioeconomy approaches and ecosystem-based management. Particular attention is required to improve **resource-use efficiency, reduce environmental footprints and strengthen climate resilience** while ensuring viable livelihoods for small and marginal farmers.

The rapid emergence of **digital technologies** is creating new opportunities to support timely and location-specific decision-making. Mountain farming systems specific technologies can improve the efficiency of inputs, early detection of crop stresses, weather-risk management, market access and knowledge dissemination.

The theme therefore seeks to bring together diverse perspectives on how ***innovation, sustainability and digital transformation*** can be integrated to build productive, resilient and inclusive agricultural systems. The conference will provide a platform for researchers, academicians, policymakers, industry, innovators and farming communities to exchange knowledge, share emerging technologies and identify pathways for translating scientific advances into field-level solutions. The deliberations will seek to address how agriculture can simultaneously contribute to **food and nutritional security, climate resilience, natural-resource conservation, biodiversity protection, rural livelihoods and sustainable economic development.**

A vision of ***future-ready agriculture*** with scientific innovation, ecological sustainability and digital technologies can harmoniously create resilient and inclusive food systems suited to the diverse realities of mountain and other vulnerable agro-ecosystem.

THEMES AND SUB-THEMES



1. **Sustainable crop improvement and production practices for climate resilience in hill agri-food systems**

- Crop improvement for climate resilience with integration of advanced genomic tools
- Physiological and molecular approaches towards climate resilience in agriculture
- Sustainable food systems in hill agriculture
- Climate-smart crop production and conservation practices in agriculture
- Resource-efficient and climate-resilient cropping systems



2. **Biodiversity conservation and natural resource management in agri-food systems**

- Agrobiodiversity conservation and sustainable utilization
- Ecosystem services and nature-based solutions
- Indigenous knowledge and community-based conservation
- Novel approaches for biodiversity conservation and natural resource management



3. **Next generation veterinary science: precision health, feed security and genomic resilience**

- Climate resilient smart livestock, dairy, poultry and fishery for nutritional security
- Next Gen Animal breeding and Genetics strategies
- Holistic livestock management and Smart Herd health
- Animal health, transboundary diseases and One health integration

THEMES AND SUB-THEMES









4. **Innovations in plant health management**
- Biological and bio-based approaches to plant health management
- Emerging pest and disease threats in agri-food systems and their management
- Climate smart IPM approaches for sustainable agrifood systems

5. Pre and post-harvest innovations for nutritional security
- Genetic manipulation and biofortification strategies in agriculture
- Post-harvest manipulations for nutritional security
- Smart harvesting, processing, value addition, cold storage technologies in agriculture

6. Precision and digital technologies in agriculture
- Artificial intelligence and machine learning for smart agriculture
- Remote sensing, GIS and geospatial technologies for agricultural management
- Digital phenotyping and high-throughput crop monitoring

7. Supply chain, startups and smart extension approaches in agriculture
- Skill development and capacity building for youth
- Agripreneurship opportunities for youth in modern and technology-driven agriculture
- Next Gen Extension systems for rural youth
- Smart supply chains, traceability and digital agri-food systems

Special session on

8.Opportunities for agriculture education among the youth

ABSTRACT SUBMISSION

- **Abstracts should not exceed 350 words**
- **Abstract sample attached in Google Form (https://forms.gle/sgm)**
- **Last date of abstract submission: 10th November, 2026**
- **Abstract submission at jkasc2026@gmail.com**
- **Scan the QR code for Google Form.**

Registration link

Registration

S. No.	Category	Fee (₹)
1	Scientists/Academicians/Government Personnel	2500
2	Young Scientist * (Below 40 Yrs)	2500
3	Research Associates/SRF/Young Professional/Scholars etc.	2000
4	Students	1500
4	Industry Personnel	4000

*Merit based selected young scientist shall be entitled for reimbursement of registration fees and travel expenditure by rail. (IInd AC)

Registration form: https://forms.gle/sgm

Important Dates

- **Last date for submission of paper/ Abstract by: 10th, Novermber, 2026**
- **Communication for acceptance of the paper: 20th, Novermber, 2026**
- **Congress Dates: 02nd-04th, December, 2026**

Payment of Registration Fee

Registration fee can be submitted through online mode in favour of

Account Name: CONFERENCE ACCOUNT SKUAST-J
Account Number: 1235040510000025
IFSC Code: JAKA0EAURSP(0-Zero)
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Payment link

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