



**9<sup>th</sup> Convocation**

## NEWSLETTER

**4<sup>th</sup> August, 2025**

*"Our unwavering commitment to teaching, research, and extension ensures we equip our students with essential knowledge and skills, drive innovation, address pressing societal challenges, and enrich the learning experience for all."*

Prof. B. N. Tripathi  
Vice Chancellor

### ABOUT THE UNIVERSITY

SKUAST Jammu was established in 1999 to meet the aspirations and needs of farmers of Jammu region for the region-specific advances in agricultural education, research and extension.

The mandate is to address the basic, strategic and applied research to enhance production in agriculture and its allied sectors, improve livestock health and develop value-added quality-based products.

Ranked 20<sup>th</sup> in National Institutional Ranking Framework, GOI among Agriculture and allied sector.

Implemented new course curricula as per National Education Policy (NEP)-2020 from the academic session 2024-25.

#### CHANCELLOR



**Shri Manoj Sinha**  
Hon'ble Lieutenant Governor  
J&K

#### PRO CHANCELLOR



**Jb. Omar Abdullah**  
Hon'ble Chief Minister  
J&K

#### AGRI MINISTER



**Jb. Javid Ahmad Dar**  
Hon'ble Minister for Agri  
Prod., Rural Dev., PR,  
Coop, Election Dept.

Accredited with 'Grade A' by the Indian Council of Agricultural Research (ICAR).







# Glimpses of 8<sup>th</sup> Convocation

ceremony at Baba Jitto  
Auditorium on 4-1-2024.  
A total of 590 students  
including 347 female  
students were awarded  
degrees in various  
subjects.







1

**ESTABLISHMENT  
20<sup>TH</sup> SEPTEMBER  
1999**

2

**FACULTY OF  
AGRICULTURE  
1999**

3

**FACULTY OF VETERINARY  
SCIENCES & A.H.  
1999**

4

**INSTITUTE OF  
BIOTECHNOLOGY (I  
2011**

5

**FACULTY OF  
BASIC SCIENCES  
2015**

**FACULTY OF  
HORTICULTURE & FORESTRY**

**FACULTY OF  
AGRICULTURAL ENGINEERING**

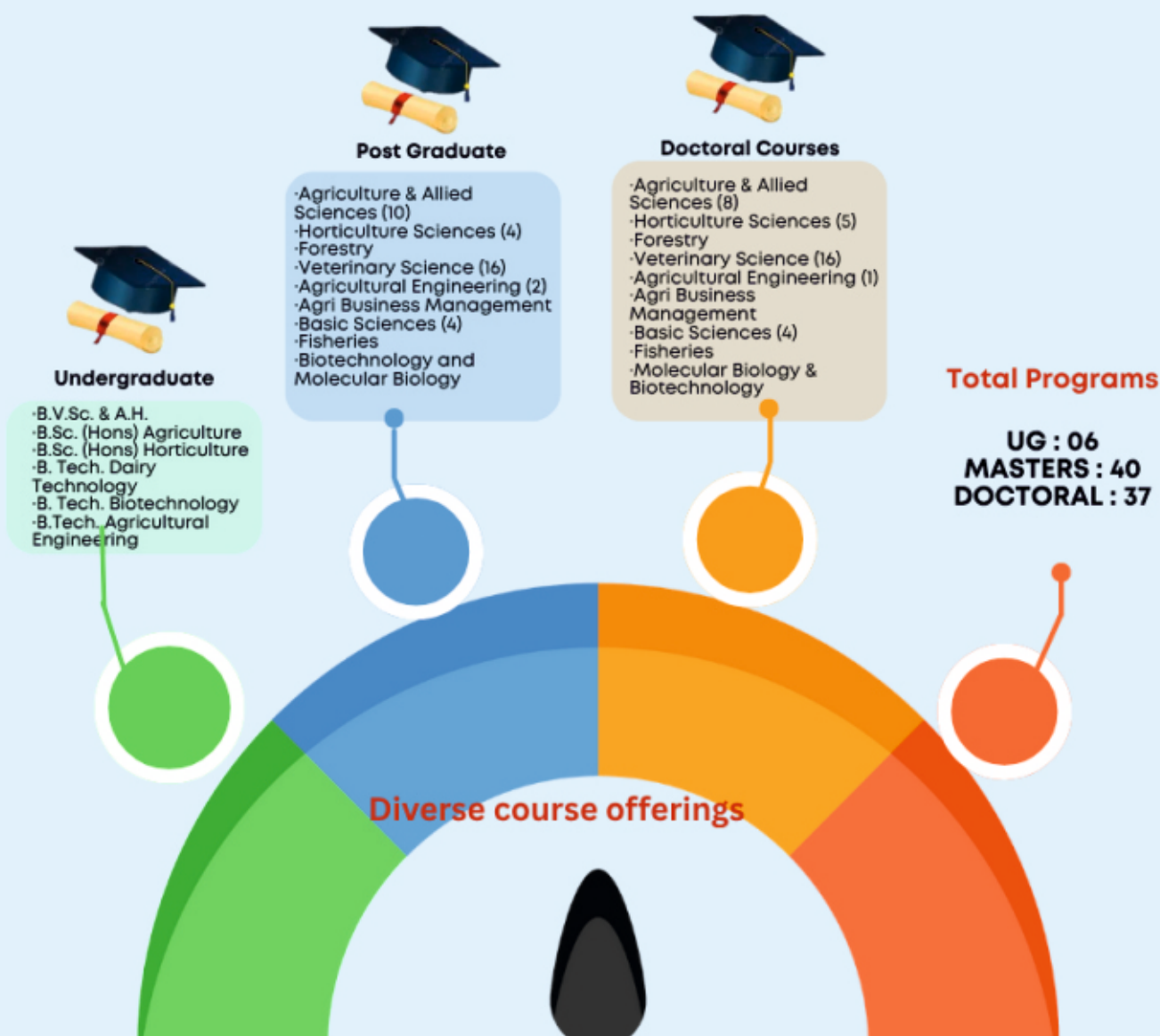
**FACULTY OF DAIRY TECHNOLOGY  
2022**



# SKUAST Jammu: A Journey of Growth

## FUTURE-READY ACADEMICS

### ACADEMIC PROGRAMS AND SKILL DEVELOPMENT



Celebrating 25 years of excellence, SKUAST-Jammu has a multi-campus setup with six Faculties (Agriculture, Veterinary & A.H., Horticulture & Forestry, Basic Sciences, Agricultural Engineering, Dairy Technology), an Institute of Biotechnology, ten research stations and nine KVKs. The 10<sup>th</sup> KVK in Udhampur district is in the process of establishment while an additional KVK at Basohli in Kathua district is proposed. University also have Advanced Centres in Horticulture and Rainfed Agriculture which support specialized research. Major projects like HADP, RIDF (NABARD) and NAHEP-IDP (ICAR) have strengthened infrastructure and capacity.



## Academics

The University offers under-graduate degrees in Agriculture, Horticulture, Biotechnology, Agricultural Engineering, Veterinary Sciences & Animal Husbandry and Dairy Technology. Master's degree in 41 and Ph.D. degree in 36 disciplines are offered by the University. M. Tech. (Biotechnology) degree programme has been approved by the Academic Council in its recent meeting and shall be offered from the academic session 2025-26. To Foster excellence in biotechnology, Institute of Biotechnology has offered M.Sc. (Agri.) Molecular Biology and Biotechnology course under DBT sponsored PG programme.

### NEP-2020 Implementation

- UG programmes (except BVSc & AH) with multiple exit options & internships
- Courses include RAWE, ELPS, READY, PCP
- Deeksharambh – 15-day orientation for new students

### PG & Ph.D. Advancements

- Options for industry internships/projects.
- Fellowships @ ₹5000/month under HADP
- Teaching assistantships
- Language courses in Sanskrit & French
- Dedicated language Lab for English and other foreign lab; Smart classrooms

The University achieved 20<sup>th</sup> Rank in National Institutional Ranking Framework (NIRF), Ministry of Education (GOI) among Agriculture and allied sector Institutes/ Universities.

### Global Reach & Digitalization

- Study in India: foreign PG student admissions underway
- International Desk active for global outreach
- Mandatory plagiarism checks using DrillBit Extreme
- Online Academic Management System in place

### Collaboration & Career

- Dual degree programme with Western Sydney University, Australia
- MoUs with industry and academic institutions; 4 Professors of Practice appointed
- Strong Counseling & Placement Cell; recruiters: IFFCO, ICICI, AMUL etc.
- Career Development Centre established

51 PG/Ph.D. students qualified ICAR-NET (2024)

**Internship :** University makes provision for National and International Internships for the students. Under the Institutional Development Plan (IDP) (National Agricultural Higher Education Project) 26 students availed international internships and over 90 under-graduate students interned at prestigious Indian institutions. Apart from internships students have the opportunity for practical learning through Experiential Learning Programme as well as the Student READY initiatives. A strong linkage with industry helps the students to be ready for the practical world.







Prof. B.N.Tripathi awarding appointment letters to Professor of Practice

- **Agricultural Education Fairs are conducted** to motivate the school children to take up professional courses in agriculture, veterinary and allied sciences apprising them of the vast career opportunities they offer.
- The number of applications for the undergraduate courses increased by nearly 65% as a result in 2025.





## Research

- 11 AICRPs, 13 voluntary AICRP centers, and 8 Advanced Centres of Excellence drive innovation across crop and livestock sectors. These centres include Advanced Centre for Horticulture Research (Indo -Dutch project), Plant Tissue Culture and Bio-control Laboratory, Advanced Center for Rainfed Agriculture (ACRA), Rakh Dhiansar, Gene Bank, Honey Testing Lab, Honey Bee Disease Diagnostic Lab, Quality Control Laboratory, and Advanced Genomics Facility (Next Generation sequencing Unit & Biolistic System) which work for the welfare of farming community through R&D in different crops.
- 50 varieties in field of cereals, pulses, oilseeds, fruit crops and vegetables have been released by University since its inception including three Basmati rice varieties namely Jammu Basmati-118, Jammu Basmati-123 and Jammu Basmati-138 with 25-35% yield advantage over the existing varieties.
- Focus on biotech-based stress-resilient crops, hydroponics, vertical farming, and tissue culture innovations.



Semi-dwarf version of Ranbir Basmati pyramided with *xa13*, *Xa21* and *sd1* genes



Rice NIL line SJHR 1 pyramided with blast resistance genes *Pi54* and *Pi9*

- Externally funded ad-hoc research projects worth more than Rs. 200 crores are operational in the University.
- Developed more than 100 technologies in Agriculture, Horticulture and Veterinary sciences with commercial focus on IFS for irrigated areas, high density orchards in guava, mango and citrus; apiculture, sericulture, mushroom cultivation and spawn production, application of nano fertilizers, area specific multi-nutrient animal feed blocks, diagnostic kit for control of warble fly.
- Goat breed of Jammu province namely 'Bhakarwali' and 'Poonchi chicken' have been registered as indigenous breeds with ICAR-National Bureau of Animal Genetic Resources (NBAGR), Karnal.
- In 2024–25, 290 research papers published, many in high-impact NAAS-rated journals.
- Technical support provided to J&K Agriculture Dept. and farmers through quality seeds and planting material
- Comprehensive IPR policy in place; offers consultancy services for product testing.
- Institutional Biosafety Committee registered with DBT for biosafety regulation.
- Seed replacement by producing quality certified seed of cereal crops, pulses and oilseeds, through a modern seed processing and packaging facility created with financial assistance from the ICAR.
- 356 quintals of certified seed produced in 2024; focus on oil crop diversification (sunflower, sesame, soybean).
- Hi-tech seed and nursery infrastructure (polyhouses, mist chambers, hardening units) supports year-round quality planting material production and distribution
- New Walnut Variety 'Parbat' released for Jammu Region



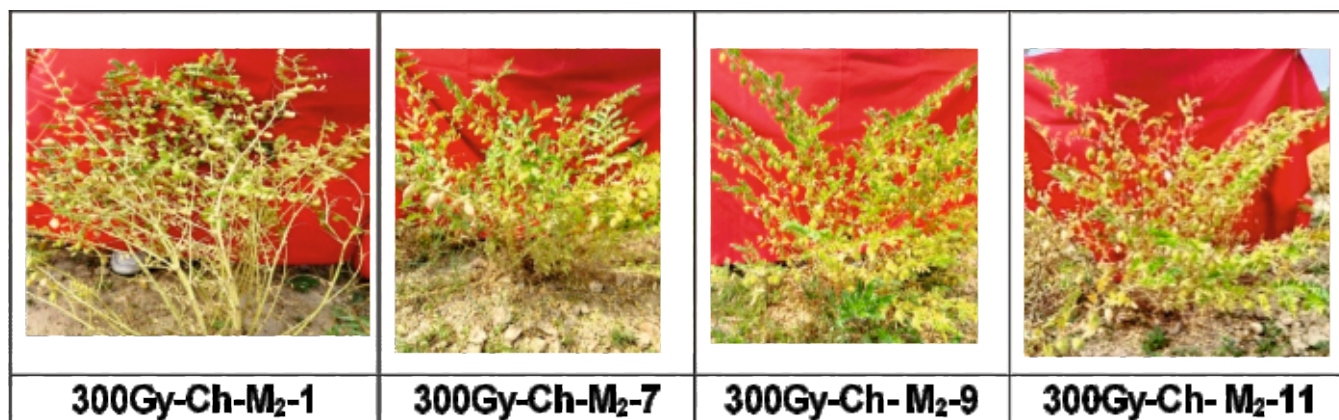
Nut of Parbat



Kernel of Parbat



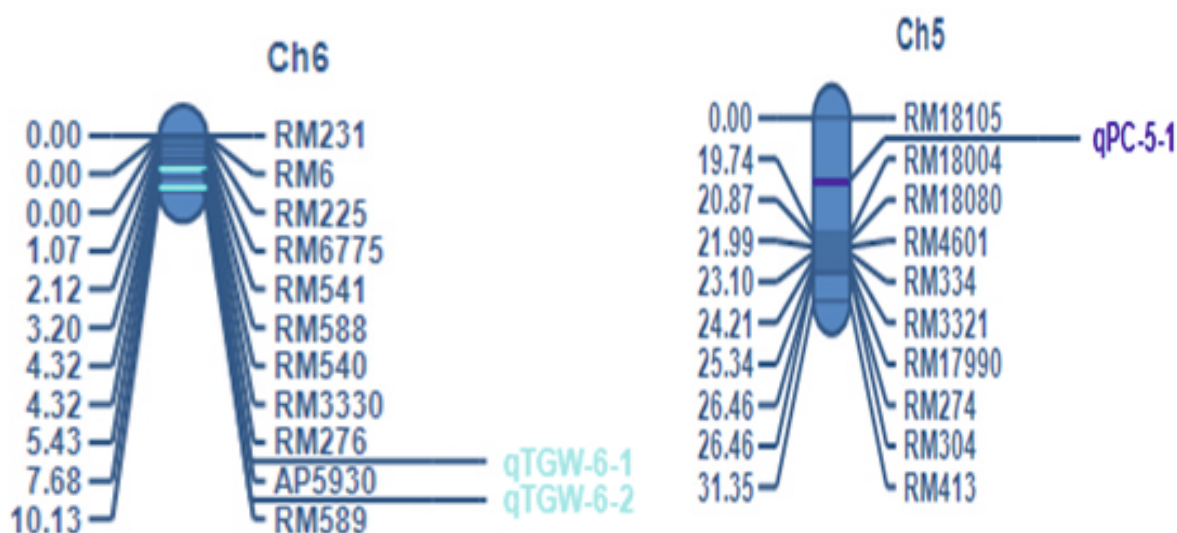
- Identification of cold tolerant mutants in chickpea



- Introduction of high yielding Barnyard millet (*Echinochloa frumentacea*) varieties in subtropical region of J&K



- Fine mapping of major QTLs/genes for protein content and 1000 grain weight in rice for through DNA marker based selection approach



- Identification of climate smart honey: Three different selections of *Apis mellifera* resilient to high temperature and high CO<sub>2</sub> have been sorted out. These climate resilient bees are being subjected to queen rearing.
- Management of corm rot of saffron by microbial consortia.



- Research in animal disease monitoring and surveillance, disease diagnosis, zoonotic diseases, value addition of animal products, nutritional enhancement of livestock feed and bioprospecting of medicinal plants for different therapeutic activities are being actively taken up.
- Establishment of prototypes of Densified Functional Feed Block making machines at three different villages of district Jammu. All three DFFB making units were made operational in small scale enterprises business mode.
- Embryo transfer technology (ETT) in sheep: In last about one year, 100 embryo transfers have been performed, resulting in 16 pregnancies. Out of these, 11 ewes carried their pregnancies to full term, leading to the birth of 9 healthy lambs from 6 ewes, with more embryo transfer lambs expected to be born from the remaining pregnant ewes.
- SKUAST-Jammu's IFS Model on 1.0 ha at FSR Centre, Chatha integrates crops + horticulture + high-value vegetables + livestock + fish cum poultry + vermicompost + mushroom + biogas + boundary plantation. It yields a net profit of ₹3.0 lakh/year, compared to ₹0.90–1.0 lakh/year from conventional systems. The model is being replicated across 20 districts of J&K covering 10,000 ha and 20,000 farm families under the HADP.



## Research Lab Upgrades

### Healthy baby lambs through Embryo Transfer Technology (ETT) in sheep

#### **Biolistic System/ Gene Gun**

Delivers genetic material into cells using high-velocity microprojectiles. Used in plants, fungi, and some animal tissues.

#### **Next Gen Sequencing**

Advanced platforms for rapid DNA and RNA sequencing. Processes millions of fragments simultaneously.

#### **Atomic Absorption Spectrophotometer**

Analyzes micronutrients and heavy metals in soils and plants. State-of-the-art equipment for soil science.





## Holistic Agriculture Development Program (HADP)

### Water Management

Efficient use and conservation of water resources.

### Innovative Extension

Introducing new technologies and practices to farmers.

### Diversification

Expanding into livestock and niche crops.

### Sustainability

Promoting environmentally friendly farming methods.

### High Density Plantation

Planting crops closer together for increased yield.

### Sensor-based Farming

Using sensors to monitor and optimize crop production.

### Market Intelligence

Gathering and analyzing market data to inform decisions.

### Value-addition

Increasing the value of agricultural products through processing.

### Soil Database

Creating a database of soil information for better management.

### Rainfed Agriculture

Improving farming practices in areas reliant on rainfall.

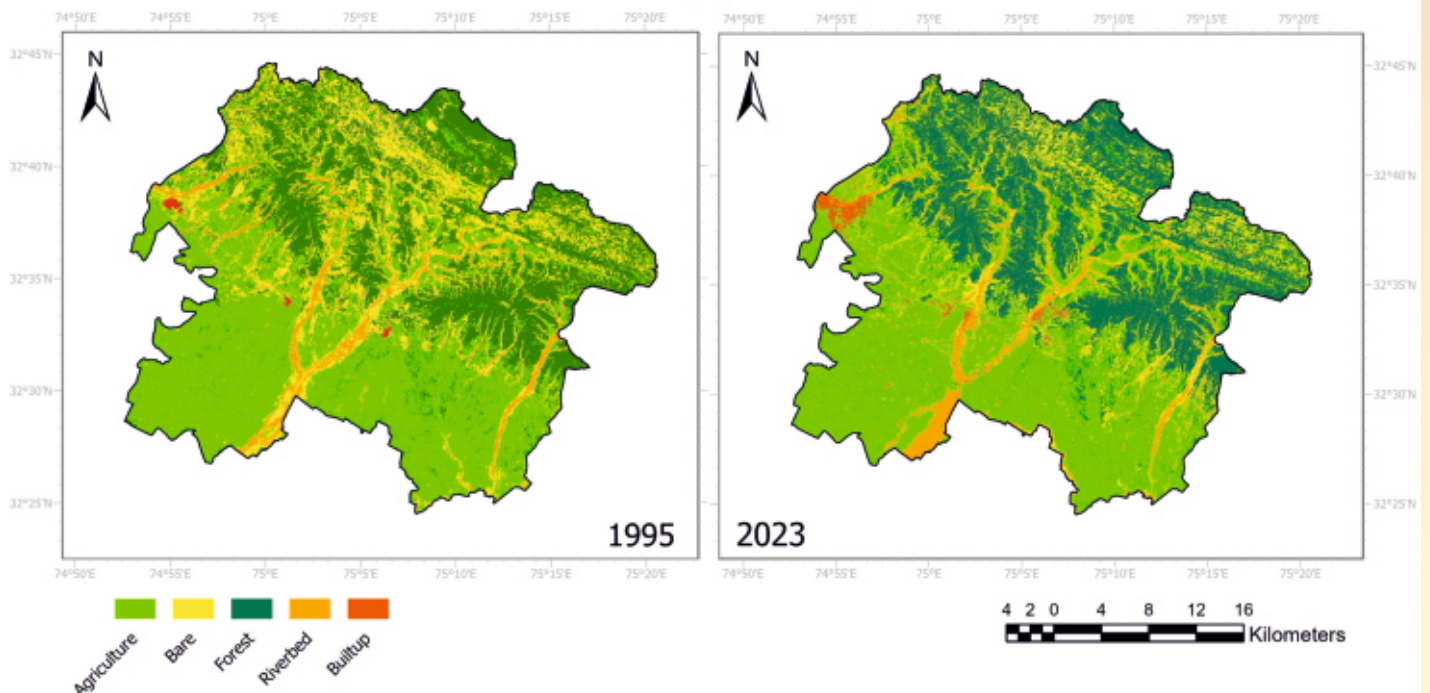
### Seed Replacement

Replacing old seeds with new, improved varieties.

### Knowledge Resources

Providing farmers with videos and literature.

Landuse- Landcover Change (1995-2023) Samba District







# Extension

## Major Achievements in the field of Extension

### 1. Crop Diversification & Productivity Boost

- Replaced 40% coarse rice with Pusa Basmati in Jammu plains, increasing profit by ₹16,000/ha.
- Introduced hybrid maize in 80% of intermediate and temperate zones, enhancing yield by 28 quintals/ha.
- Promoted marigold and lavender cultivation in Doda, improving household incomes by ₹21,000/ha and creating a ₹1 crore turnover.

### 2. Youth & Farmer Capacity Building

- Trained 6683 extension functionaries and over 80 rural youths under MANAGE programmes (PGDAEM & DAESI).
- Conducted vocational trainings and certificate courses on Integrated Nutrient Management.
- Supported over 1000 mushroom and beekeeping entrepreneurs.

### 3. Innovative Extension Approaches

- Launched Vice Chancellor to Village and village visit initiatives for direct farmer interaction.
- Promoted Pashu Sakhis model (312 women trained) for community-led livestock services.
- Introduced urea molasses blocks, increasing dairy yield by up to 1.25 kg/day per animal.
- Popularized backyard poultry for women/youth, yielding ₹16,000 annually per 20 birds.

### 4. Technology & Market Linkages

- Demonstrated agricultural drones to farmers for smart farming.
- Facilitated FPOs and market linkages for better price realization.
- Organized Agri Fairs and Kisan Melas for technology dissemination.

### 5. ICT & Media Outreach

- Developed exclusive e-studio for content creation and dissemination.
- Published YouTube videos on scientific farming.
- Implemented participatory seed production in Jammu, Samba, and Kathua.







कृषि विज्ञान केन्द्र  
साम्बा

**WELCOME**  
**KRISHI VIGYAN KENDRA SAMBA**  
Directorate of Extension  
Jammu University of Agricultural Sciences and Technology

**5 Days Training Programme**  
**on**  
**Techniques in Sericulture**  
w.e.f. 08.08.2024 to 14.08.2024  
**KRISHI VIGYAN KENDRA SAMBA**  
Directorate of Extension  
Jammu University of Agricultural Sciences and Technology, Jammu

**5 Days Training Programme**  
**on**  
**NATURAL FARMING**  
**KRISHI VIGYAN KENDRA SAMBA**  
Directorate of Extension

**DIRECTORATE OF EXTENSION**



# Viksit Krishi San



Union Minister of Agriculture & Farmers' Welfare, Shri Shivraj Singh Chouhan, la  
of State (PMO), Shri Javed Ahmad Dar, J&K Agriculture Minister, MP Shri Jugal Ki

◆ 389 dedicated teams

◆ 10 Districts

◆ 2439 v





# Kalp Abhiyan 2025

कश्मीर  
गिकी विश्वविद्यालय जम्मू  
गतम्



कल्प अभियान



unched VKSA 2025 on May 30, 2025, accompanied by Dr. Jitendra Singh Minister  
shore Sharma, MLAs Dr. Narinder Singh Raina and Dr Gharu Ram Bhagat.

villages

◆ 143 blocks

◆ 1.72 lakhs farmers







## Glimpses of Kisan Melas & Beej Melas









# National Agriculture Summit

20-23 Nov. 2024

Main Attractions

## The event witnessed :

30,000 farmers  
3,300+ students  
15,000 stakeholders.  
250+ stalls .

- Agriculture Fair
- Flower Show
- Fruit Show
- Vegetable Show
- Rural Sports
- Livestock & Poultry Show





Commit

Interactions

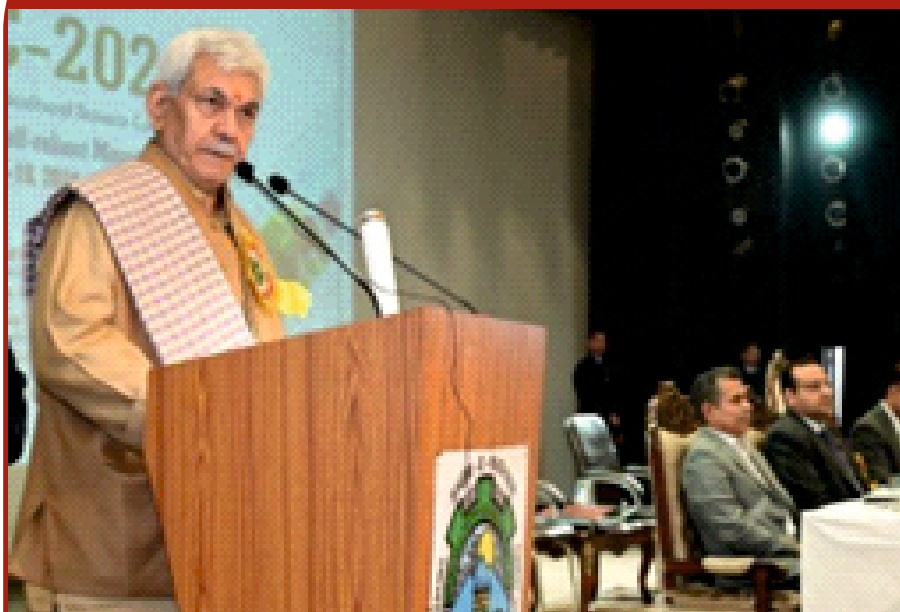
- Dog Show
- Women & Youth Empowerment
- Drone Demonstrations
- Field Visit
- Recreational Activities





## IMPORTANT EVENTS

- **6<sup>th</sup> J&K Agricultural Science Congress** was held wef 8<sup>th</sup> to 10<sup>th</sup> Feb 2024.
- **Industry-Academia Meet** was organised on July 10<sup>th</sup> 2024.
- **Workshop on "Project Management & Ethics in Science"** organized w.e.f. February 28-29, 2024.
- The **41<sup>st</sup> Annual Conference of the Indian Association of Veterinary Pathologists (IAVP)**, 15<sup>th</sup> Annual Meeting of ICVP, and a National Symposium on "Exploring Veterinary Pathology and Diagnostic Innovations in Animal and Poultry Disease Amidst Climatic Challenges" were held from November 28-30, 2024,
- **National Symposium on Plant Pathology** held from 9<sup>th</sup> to 10<sup>th</sup> January, 2024.
- The **41<sup>st</sup> Annual Convention of the Indian Society for Veterinary Medicine (ISVMCON-2025)** and National Conference held wef 17-19<sup>th</sup> February 2025.
- **The National Conference on Emerging Innovations in Biochemistry & Biotechnology for Holistic Agriculture** held wef 6<sup>th</sup>–7<sup>th</sup> March 2025.
- **Alumni Meet 2024** of the university was held at main campus, Chatha,







- The Hon'ble Lieutenant Governor, Shri Manoj Sinha, chaired the 20<sup>th</sup> **University Council Meeting** of SKUAST Jammu held on 26<sup>th</sup> September 2024.
- The 38<sup>th</sup>, 39<sup>th</sup> and 40<sup>th</sup> meetings of the **Board of Management** (BoM) were convened on March 12, 2024, May 8, 2024 and 13.02.2025, respectively.
- 25<sup>th</sup> and 26<sup>th</sup> **Academic Council meeting** held on 1<sup>st</sup> May 2024 and 23<sup>rd</sup> January 2025.
- 11<sup>th</sup> **Extension Education Council Meeting** at SKUAST-Jammu highlights Coordination for Boosting Agricultural Productivity held on January 29, 2024.
- **Zonal Research and Extension Advisory Committee meeting for Kharif** held on July 4<sup>th</sup> 2024 and 18<sup>th</sup> July 2025.
- **Basmati Fest 2024** The Basmati Fest organized in collaboration with Jammu and Kashmir Trade Promotion Organization (JKTPO), featured panel discussions, exhibitions, and buyer-seller meets, connecting farmers with national buyers.



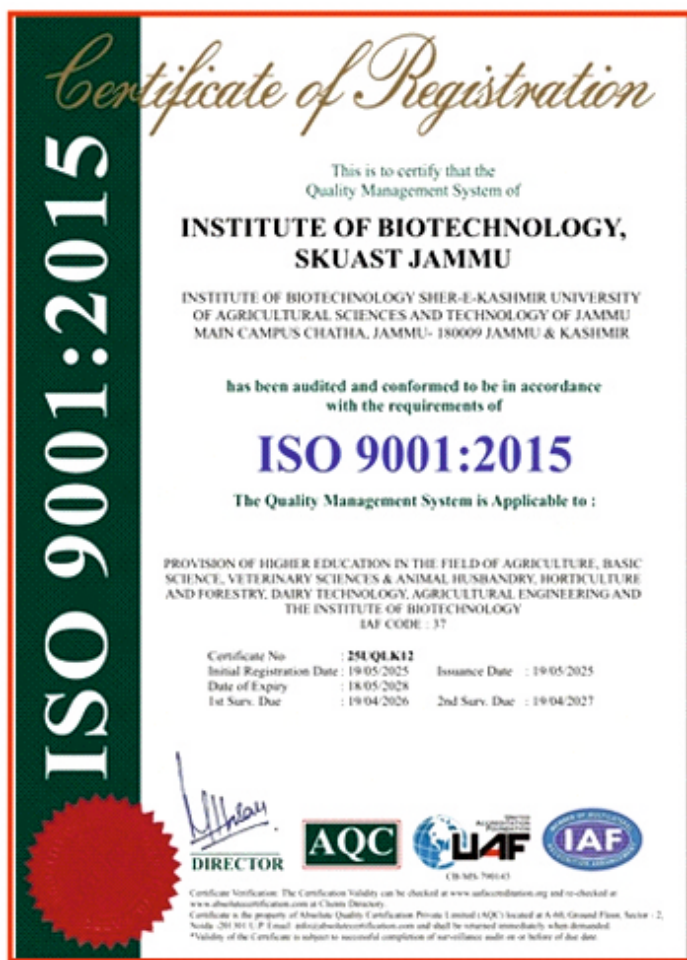
# New Endeavours

## Inauguration of Radio Kissan SKUAST Jammu 90.8 FM

Chief Minister of J&K UT, Jenab Omar Abdullah, inaugurated Radio Kissan SKUAST Jammu 90.8 FM, the university's first community radio station, at Sher-e-Kashmir University of Agricultural Sciences and Technology (SKUAST), Chatha on November 20, 2024. Radio Kisan Mobile App was also launched on 24.3.25 by Hon'ble Lieutenant Governor Shri Manoj Sinha Ji.



The University has made substantial strides in intellectual property, with 44 patents filed and 18 granted, 10 copyrights, alongside significant progress in geographical indications (GI) to protect regional specialties, with 4 GI registrations completed and 12 are under pipe-line.



Establishment of its NCC Air Wing in 2024 in which 39 cadets (22 girls and 17 boys) have been enrolled following a rigorous selection process.

Establishment of NCC Army Wing (Girls) in May 2025.



## Grand Celebrations of 26<sup>th</sup> Found







### Promoting Innovation, Startup and Entrepreneurship Development

- ❑ Igniting Innovation through RKVY-RAFTAAR - Agri-Business Incubator (R-ABI) funded by Ministry of Agriculture & Farmers' Welfare, Government of India
- ❑ Five incubatees selected for a total grant-in-aid of Rs. 55 lakhs during last year.
- ❑ Total of 26 Start-ups funded amounting to Rs. 2.88 crores.

- **SKUAST Jammu is key implementing partner in J&K Competitiveness Improvement of Agriculture & allied Sectors Project (JKCIP),**
- Supported by Govt. of J&K and IFAD
- Aims to enhance agricultural productivity, climate resilience, and market access
- Target : 300,000 rural households across 20 districts

### Foundation Day, showcasing its 25 year Journey to Global Recognition





## Awards and Recipients

Award	Recipient	Institution / Place
Life Time Achievement Award	Prof. B. N. Tripathi	Society of Immunology and Immunopathology at Mathura
Chal Baijayanti Puruskar 2024	Directorate of Extension, SKUAST-Jammu	ICAR ATARI Zone 1
Best Krishi Vigyan Kendra	KVK Reasi	ICAR ATARI Zone 1
Natural Farming Out-Scaling Excellence Award 2024	Dr. Sanjay Khajuria	ICAR ATARI Zone 1
National Geospatial Faculty Fellow Award, IIT Bombay	Prof. Vikas Sharma	IIT Bombay
Award for innovative technology	Prof. Rakesh Sharma	DDG ICAR
Fellow Award	Prof. Romesh Kumar Salgotra	Association of Rice Research Workers
Many more awards by Scientific Societies	Faculty members	Scientific Societies

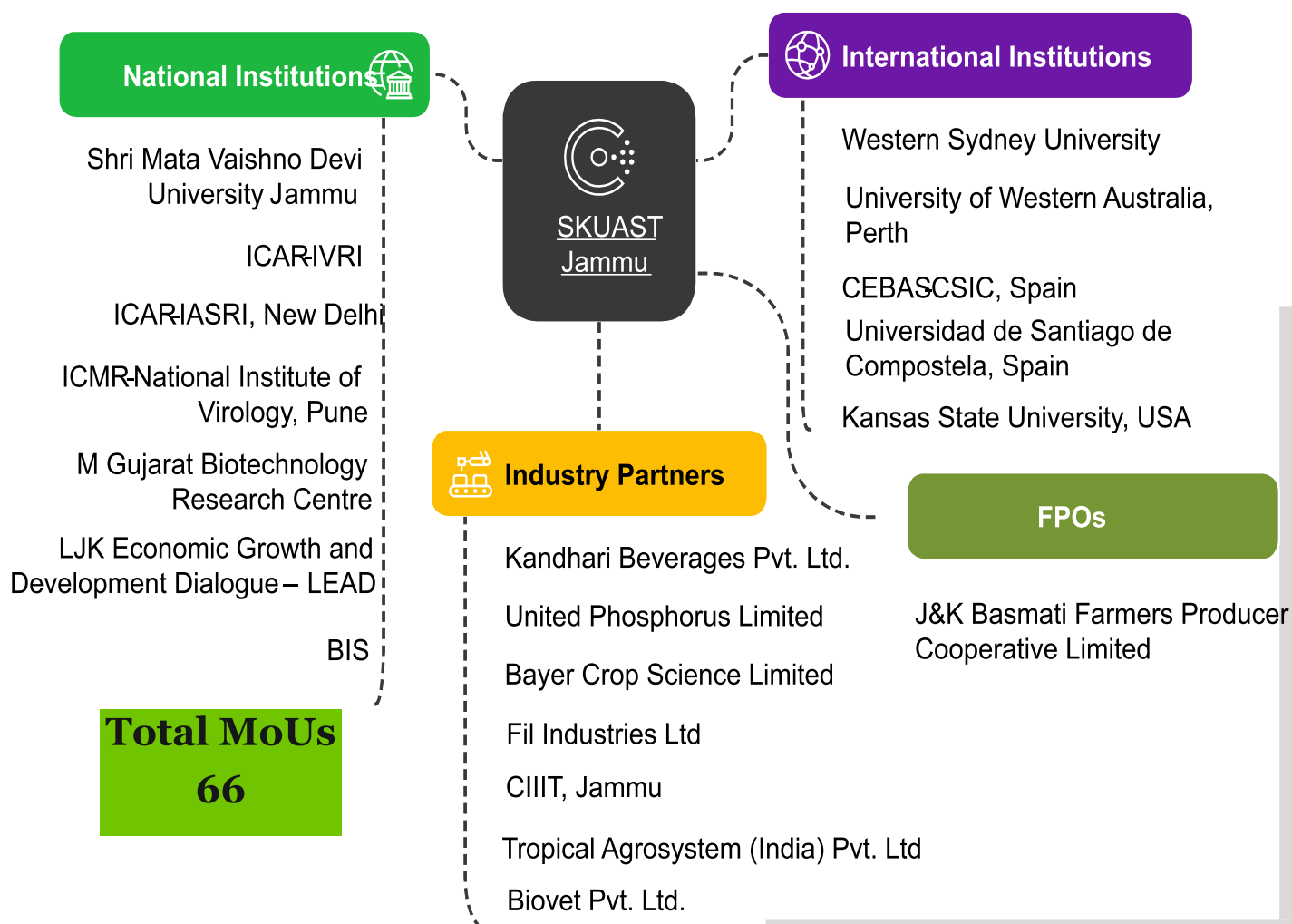






SKUAST-Jammu collaborates with University of Melbourne to bolster research and academic collaborations.

## Collaborative Network expansion in 18 months





# Student Development Programme

## AGRITHON 2024



NAHEP-IDP, SKUAST-Jammu organized AgriTHON -2024 an innovative event that blends students, academicians & innovators to ideate & process the concept of precision and economical farming for the future of agriculture. The event provided a one-of-its-kind platform to the students at higher education institutes in the UTs of J&K and Ladakh to showcase their innovative approaches and technology solutions to four thematic areas.

## HER HARVEST IDEATHON 2025

TA unique Ideathon, "Her Harvest: Cultivating Innovations for Agricultural Development in the Jammu Region," on International Women's Day 2025.









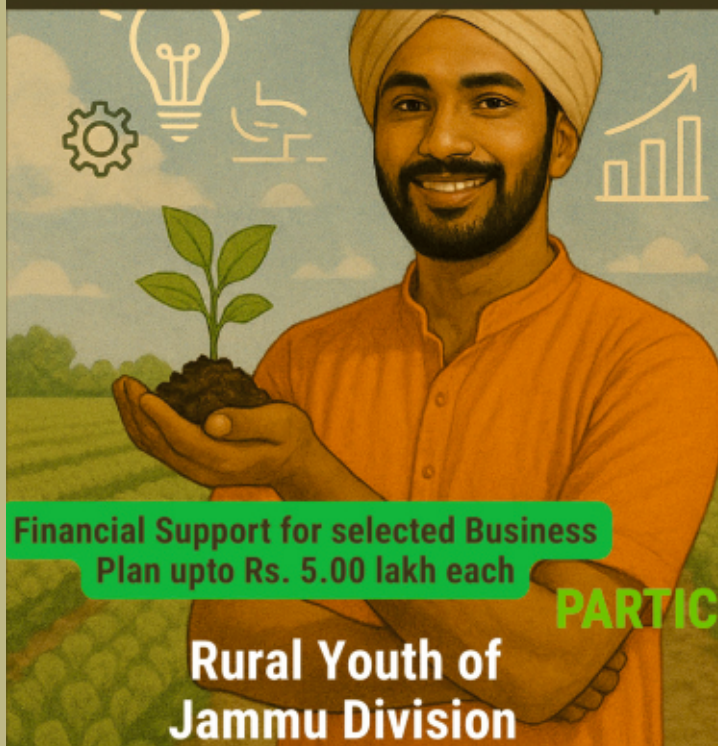
SKUAST Jammu

# AgriThon 2.0

Viksit Krishi for Atamnirbhar Bharat



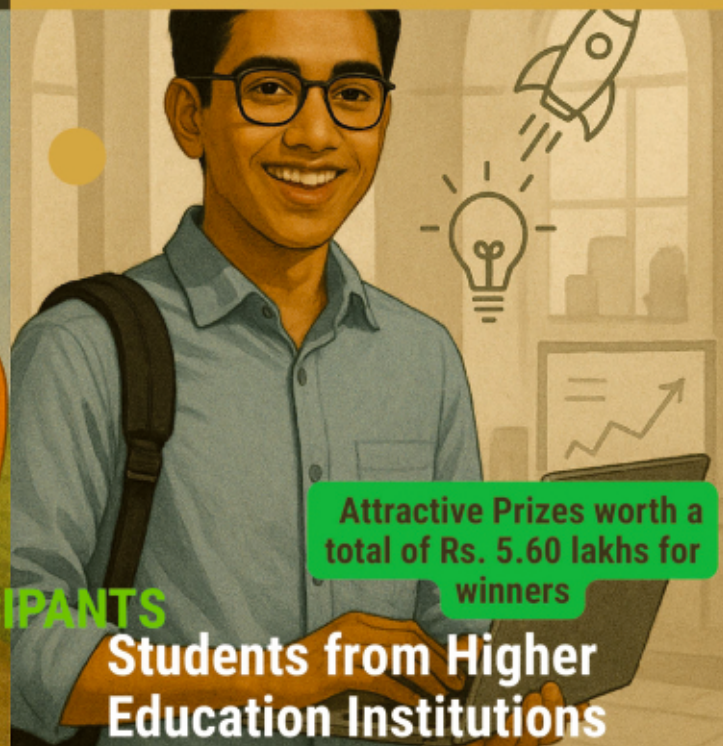
**IFAD**  
INTERNATIONAL  
FUND FOR  
AGRICULTURAL  
DEVELOPMENT



Financial Support for selected Business Plan upto Rs. 5.00 lakh each

**Rural Youth of Jammu Division**

**PARTICIPANTS**



Attractive Prizes worth a total of Rs. 5.60 lakhs for winners

**Students from Higher Education Institutions**



## Themes

**Digital Agriculture | Climate Resilience | Post Harvest | Urban Farming**

Entries Open 25th July 2025

Last Date 25<sup>th</sup> August 2025

**Competitiveness Improvement of Agriculture & Allied Sectors Project in UT of J&K**



**Register Now, it's free**

**Scan QR for details**

**Transforming Agricultural Horizon through Innovation**  
**Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu**



For Rural Youth: 9419198062,  
7006311474, 9596732933

For web related queries/registration process:  
7006132698

For Higher Education Institutes:  
7298729990, 7889710484, 9419129844

✉ [agrithonskuastjammu@gmail.com](mailto:agrithonskuastjammu@gmail.com)

🌐 Details at <https://skuast.org/AgriThon2.0/>

[www.skuast.org](http://www.skuast.org)

