

Krishi Vigyan Kendra

The Krishi Vigyan Kendra (KVK) are innovative science based institutions which have been established to impart vocational and skill training to farmers and field level extension workers not only in agriculture and allied sectors but also in other income generating activities like value addition, fruit preservation, canning, milk preservation, dairy farming, bee keeping, mushroom cultivation etc. that may supplement the income of farm families. Seven KVKs of the university are functioning for the upliftment of farming community, women empowerment and generation of employment for rural youth through different trainings aimed at development of entrepreneurship. Three more KVKs are in the process of establishment at Kishtwar, Ramban & Udhampur.



KVK Kathua



KVK Jammu



KVK Rajouri



KVK Poonch



KVK Reasi



KVK Doda

Transfer of Technology and Trainings/Demonstration

- The university has started village visit programme on weekly basis to address the on-spot problems of farmers. This has generated significant impact among farmers.
- The university is actively involved in dissemination of latest



scientific technologies by holding training programmes on crop production, crop protection, entrepreneurship development and livelihood security, value addition of agricultural produce and animal health to make farmers aware about the latest know-how and do-how of agro-techniques.

International and National linkages of University

- Cornell University, USA.
- Indian Agricultural Research Institute, New Delhi.
- National Dairy Research Institute, Karnal
- CSK HP Agricultural University, Palampur
- ICRISAT, Hyderabad
- NBAIM, Mau
- VPKAS, Almora
- PAU, Ludhiana
- CIPHET, Ludhiana
- IFSR, Modipuram
- IPFT, Gurgaon
- NRC on Equines, Hisar
- IIHR, Bangalore

Staff Strength (as on 25-09-2017)	
Category	Sanctioned
Administrative Officers	
Vice-Chancellor	01
Directors/Officers	08
Teaching	
Dean	03
Associate Dean	01
Professor/ Equivalent	34
Associate Professor/ Equivalent	87
Assistant Prof./ Equivalent	220
Non-Teaching	
Administrative	237
Technical	40
Auxiliary/supporting	502
Total	1133

UNIVERSITY GOVERNANCE

(as on 25-09-2017)



Dr. Pradeep K. Sharma
Vice-Chancellor



Dr. K. S. Risam
Director Extension



Dr. J. P. Sharma
Director Research



Dr. T.A.S. Ganai
Director Education



Dr. Deepak Kher
Director Planning & Monitoring



Dr. Dileep Kachroo
Registrar



Sh. Ifikhar Hussain
Comptroller



Dr. D.P. Abrol
Dean FOA



Dr. M. M. S. Zama
Dean, F.V.Sc. & A.H.



Dr. S.A. Mallick
Dean, FBSc



Sh. R. K. Saproo
Estates Officer



Dr. V. K. Razdan
Librarian

SKUAST of JAMMU

SKUAST of Jammu at a Glance



Chatha Campus



R. S. Pura Campus

SHER-E-KASHMIR UNIVERSITY OF AGRICULTURAL SCIENCES AND TECHNOLOGY OF JAMMU

MISSION

The Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu aspires to become a leading agriculture University in India with the mandate of serving the people of Jammu division, the State and the Nation.

MANDATE

- Advancement of education in Agriculture, Animal Husbandry, Veterinary Sciences and other allied sectors.
- Conduct basic, strategic and applied research in agriculture and allied sectors.
- Dissemination of knowledge and technology to the farming community.
- Collaborate with National and International organisations for enhancing the knowledge expertise and excellence for the well being of the people of Jammu and Kashmir in particular and the country in general.

Sher-e-Kashmir University of Agricultural Sciences and Technology of 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. With the generous and constant patronage of Chancellor and Pro-Chancellor; Central & State Government and Indian Council of Agricultural Research, the University is marching ahead for increasing agricultural production and productivity with overall economic enhancement of farmers of Jammu division. SKUAST-J is a multi-campus university with it's headquarter located at Chatha, Jammu. Since its inception, the University has grown with rapid pace in terms of infrastructure and human resource. The Campus at Chatha comprises of modern main faculty building, administration block, auditorium, conference hall, central library, sports complex, Teaching and Non-Teaching Staff quaters. The faculty of Agriculture at Chatha has 231.2 ha. Faculty of Veterinary Sciences & Animal Husbandry at R. S. Pura has 33.6 ha land holding with 17 divisions has full fledged academic block, modern veterinary clinical complex, modern class room cum examination complex, library and hostel for boys and girls to cater the need of faculty and students undergoing various degree programmes in animal science disciplines. There are eight research stations/sub-stations and six KVKs in the university which are located in different agro-climatic zones of Jammu region of the state for catering to the location-specific needs of the farming community. The total land holding (including research stations/sub-stations and KVKs) of the university is 455.65 ha. University pursues high standard research through research projects funded by various central and state agencies.

JURISDICTION

SKUAST-Jammu has mandate to cater to the needs of the farming community falling under the territorial jurisdiction of Jammu province. The area comprises of following agro-climatic zones:

- **Sub-tropical zone:** Kathua, Samba, Jammu, part of Udhampur and Rajouri.
- **Intermediate zone:** Parts of Rajouri, Udhampur, Poonch, Ramban and Kathua.
- **Temperate zone:** Parts of Poonch, Rajouri, Doda, Kathua, Ramban and Kishtwar.

ACADEMICS

At present the University is imparting education through three faculties and School of Biotechnology (self-fiananced) located at Chatha, Udhaywala and R.S. Pura:

- Faculty of Agriculture
- Faculty of Veterinary Sciences and Animal Husbandry
- Faculty of Basic Sciences
- School of Biotechnology

Apart from degree programme, in Agriculture, Veterinary and Basic Sciences University offers Master programme in 11 disciplines of Agriculture, 17 disciplines of Veterinary Sciences and 4 disciplines of Basic Sciences. Whereas, Doctoral programme is offered in Agriculture,

Veterinary and Basic Sciences faculties for 28 disciplines. The University with its meager financial resources and existing faculty strength has established the School of Biotechnology with the programmes of B.Sc., M.Sc. and Ph.D. The University has revised its Post Graduate curricula, both in Agriculture and Veterinary Sciences as per the guidelines issued by the education division ICAR. At under graduate level of Agriculture, revised curricula as per 5th Deans committee recommendation has been adopted. Similarly, for Veterinary Science curricula was revised as per Veterinary Council of Indias (VCI) recommendations. In additions to this, short-term job-oriented certificate courses have also been started. While the degree programmes are aimed at imparting higher education to society and people of the state, the certificate courses are aimed at increasing skill level and entrepreneurship of the common youth and farmers of the state.

Students Profile (as on 25-09-2017)

UG Programme	Intake Capacity/Year
B. Sc. (Hons.) Agriculture	120
B. Sc. (Hons.) Biotechnology	30
B.V.Sc. & AH	70
PG Programme	
M.Sc. (Agri. & Allied Sciences)	84
M.Sc. Basic Science	21
M.Sc. Biotechnology	07
M.Sc. (Agri-Business Management)	15
M.V.Sc.	65
Ph.D. (Ag.) & Allied Sciences	05
Ph.D. Basic Sciences	05
Ph.D. Biotechnology	04
Ph.D. (Veterinary)	30
Total	456

Scholarship

The under graduate and postgraduate students are being awarded various scholarships.

LIBRARY

The University has a central library at main campus Chatha and faculty library at R. S. Pura campus. The university library is wi-fi enabled, having access to 2900 online journals through CeRA consortium, other open access databases and Internet services. The Central library also has e-Kiosk facility for accessing the database of literature. The university has around 31689 books.



Facilities for Student activities

Indoor games like TT, Carom, Ludo, Chess etc., Reading room and a cafeteria. Outdoor sports Cricket, Football, Volley Ball, Badminton, Athletics etc. Gymnasium for hostel boarders. Conference hall for literary/cultural events.

Hostel Facilities

- Separate hostels for boys and girls.

- Spacious and well furnished dining hall, common room, lawn, courtyard, CTV with cable/dish connection etc., have also been provided in the hostels.
- Facilities for indoor games like table tennis, chess, ludo, and carom boards, also have been made available.



Students' Placement and Counselling Cell

- Provide information for various scholarships and employment avenues.
- Updating of students' knowledge through information bulletins from prestigious national and international institutes of repute.
- Awareness about anti-ragging legisla^{ture}.



Medical facilities

- Medical facilities are available to the students, faculty members and university staff at both the campuses of the university.
- Medicines and clinical laboratory tests are Free for students and boarders.
- Two fully equipped ambulances for shifting of patients.



RESEARCH ACTIVITIES

Research in the SKUAST-Jammu is being carried out by the faculty placed under Faculty of Agriculture at Chatha/ Faculty of Veterinary Sciences and Animal Husbandry, R.S.Pura, Faculty of Basic Science, Chatha & by the scientists working at different research stations/sub-stations/centers, spread over various agro-climatic zones i.e., low altitude sub-tropical and mid to high altitude intermediate zone of the Jammu division.

Research Stations/ Sub-Stations/ Centre

- Regional Agricultural Research Station, Rajouri
- Maize Breeding Research Sub Station, Poonch
- Regional Horticultural Research Sub Station, Bhaderwah
- Rain fed Horticultural Research Sub Station, Raya
- Pulses Research Sub-Station, Samba
- Maize Research Centre, Udhampur
- Advanced Centre for Rainfed Agriculture, Dhiansar
- Advanced Centre for Horticulture Research, Udhaywala

Research Achievements

Crop Improvement

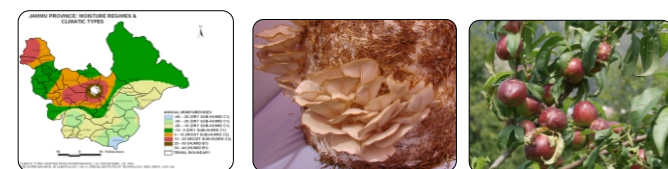
- Five varieties of rice(Saanwal Basmati, Ranbir Basmati, Basmati 564, Rice Basmati 129 & SJRS)
- Five varieties of wheat (RSP-303, RSP-81, RSP-561, JAUW 584, JAUW 598)

- Eight varieties of oilseeds (Gobhi sarson: DGS-1, RSPN-25, Raya: RSPR-01, RSPR-03& RSPR-69 Toria: RSPT-1, RSPT-6 & RSPT-2)
- One gram variety in pulses (SC-3) and one variety of Knol-Knol (G-40) have been released.
- Silkworm hybrids (Udhey-3x1, Udhey-4x6, PO3 x ND5) developed by the university have been identified by Central Silk Board for release.
- Chandler, Gorella and Belrubi cultivars of strawberry have been recommended for commercial cultivation in sub-tropical areas of Jammu.



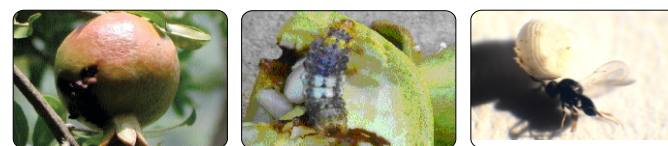
Crop Production

- Determination of Annual Moisture Index and climate characterization of Jammu region using Geographical Information System (GIS).
- Participatory technology developed for the cultivation, inducing flowering and fruiting in olive.
- Popularization of round the year cultivation of button mushroom, oyster mushroom (dhingri) and milky mushroom species in Jammu.
- For crop intensification and diversification various sequences instead of rice wheat crop rotation have been tested and recommended which include Rice-Marigold-French Bean, Rice – Potato-Onion, Rice-Cabbage onion and maize+ Black gram –Potato–onion.
- Successful fruiting of nectarine an exotic fruit has been achieved and technology for its cultivation is now available.



Crop Protection

- Eco-friendly management of insect-pests and diseases of economically important crops has successfully been attempted
- Pomegranate butterfly has been successfully managed by three weekly releases of *Trichogramma embryophagum* (1.5 lakh/ha) in wild pomegranate (Anardana) cultivation in the intermediate zones of Jammu.



- The spread of *Varroa destructor* mite resulted in decline of 80-90% of colonies i.e., from more than 30,000 to 7,000 only. Oxalic acid (3.5%) has been found to control mites successfully up to 90 per cent.

- Application of biocontrol agents (*Ampelomyces quisqualis* and *Trichoderma* spp.) @ 5% before fruit-set and at 10-15 day intervals has been found effective against powdery mildew of ber.
- Gladiolus corm treatment with resident isolate of *Trichoderma* sp. followed by soil drenching with carbendazim (0.1%) at 15 days interval reduced wilt up to 56%.
- Animal production and management**
- Backyard poultry has been encouraged to meet the egg shortage because of high cost of egg production in temperate zones.
- Urea-molasses multi-nutrient blocks enriched with area specific mineral mixture has been developed for amelioration of macro and micronutrient imbalances in cross-bred cattle, buffaloes, sheep and goats in various districts of Jammu.
- Recipes developed for utilization of spent hen meat in preparation of chicken kabab.
- The pharmacokinetics of various antimicrobial drugs in animals has been worked out for their safe and judicious use.



ON GOING EXTERNALLY FUNDED RESEARCH PROJECTS

S.No.	Particulars	No's.
1.	All India Coordinated Research Projects (AICRP's)	11
2.	AICRP's Voluntary Centre	11
3.	Network Projects	8
4.	Adhoc Research Projects (Funding agency wise)	
	• Department of Bio-Technology (DBT), New Delhi	12
	• Department of Science & Technology, (DST) < New Delhi	15
	• IMD (MOES), New Delhi	01
	• National Horticulture Board, Gurgaon	01
	• National Medicinal Board, New Delhi	01
	• AMAAS MBAIM (ICAR), MAU	02
	• National Bank for Agriculture and Rural Development (NABARD) under FTTF	09
	• National Food Security Mission (NFSM)	02
	• National Mission for Sustainable Agriculture (NMSA)	03
	• Defence R & D Establishment, Ministry of Defence, Gwalior	01
	• Indian Council For Agricultural Research ICAR	08
	• J&K Govt. under plan	01
	• Rashtriya Krishi Vikas Yojna (RKVY)	11
	• Horticulture Mission for North East Himalayas (HMNEH) & MIDH	14
	• UMEED J&K GOVT.	01
	• Centre of Excellence in Vegetables	01
	• NAFCC	01
	• ICAR Extramural	05
	• AISHE	01
	Total	120

EXTENSION

Directorate of Extension undertakes the effective dissemination of latest technical information and technologies developed by the scientists to farmers and entrepreneurs. This Directorate disseminates the information developed through the rigorous and scientific research available with Directorate of Research.