



**Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu**  
**Directorate of Research, Chatha, Jammu**

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# **RESEARCH AT A GLANCE**

## **(2014-15)**



**Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu**  
**Directorate of Research,**  
**Chatha, Jammu 180 009**



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## **FACULTY OF AGRICULTURE**



**Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu**  
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**A. FACULTY OF AGRICULTURE**

S. No	Name of the Scientist	Designation	Title of the Experiment (only as Principal Investigator)	Funding Agency	Funding Attracted (Rs. in lakhs)		Duration/ Year of Start	Whether Kharif/Rabi Season
					Total Budget	For the year 2014-15		
<b>1.</b>	<b>Agricultural Engineering</b>							
a.	Dr. Sushil Sharma	Assoc. Prof. & Head	Establishment of Testing Centre for Farm Machinery & Equipments at SKUAST-Jammu	RKVY	130.64	40.00	3 years/ 2013	-
b.	Er. Sushmita M. Dadhich	Asstt. Prof.	Development and Evaluation of Automatic Timer Based Variable Speed Device for Sprinkler System	DST	17.85	5.32	3 years/ 2013	-
c.	Dr. Manoj Kumar	Asstt. Prof.	Design and Development of a Tractor Operated Soil Compaction Measurement Device	IDP (DST)	17.51	2.10	3years/ 2013	-
d.	Dr. R.K. Srivastava	Assoc. Prof.	-	-	-	-	-	-
e.	Dr. J.P. Singh	Asstt. Prof.	-	-	-	-	-	-
f.	Er. Hemant Dadhich	Asstt. Prof.	-	-	-	-	-	-
<b>2.</b>	<b>Agroforestry</b>							
a.	Dr. S.K. Gupta	Prof. & Head	Promotion of Kala Zeera (Bunium Persicum) crop in Paddar Valley of Jammu, J&K	RKVY	22.08	7.36	3 years/ 2014	-
b.	Dr. K.K. Sood	Assoc. Prof.	Estimation of biomass and carbon sequestration potential of Pinus roxburghii Roxb plantation	University funded	-	-	-	-
c.	Dr. N.S. Raina	Assoc. Prof.	Carbon sequestration potential of different land use systems in rainfed area of Jammu region	University funded	-	-	-	-
d.	Dr. L.M. Gupta	Assoc. Prof.	Production and Sustainable Management of Shatavar (Asparagus)	NMPB	13.62	3.87	3 years/ 2013	-



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			<i>racemosus Willd)</i>					
<b>e.</b>	<i>Dr. S. Sehgal</i>	<i>Asstt. Prof.</i>	<i>Performance of Kalmegh (Andrographis paniculata Nees.) under Aonla (Embllica officinalis Gaertn.) based Agri-Horticultural System in Drylands</i>	<i>University funded</i>	-	-	-	-
<b>f.</b>	<i>Mrs. Meenakshi Gupta</i>	<i>Asstt. Prof.</i>	<i>(undergoing Ph. D)</i>	-	-	-	-	-
<b>3.</b>	<b>Division of Agronomy</b>							
<b>a.</b>	<i>Dr. Dileep Kachroo</i>	<i>Chief Scientist &amp; Head</i>	<ol style="list-style-type: none"> <li>1. Identification of need based alternative cropping system, under assured irrigated conditions.</li> <li>2. Development of innovative farming practice to mitigate the effect of climate change</li> <li>3. Development and validation of on-station integrated farming system research model for small &amp; medium farmers toward livelihood security.</li> </ol>	<i>ICAR AICRP-IFS</i>	<i>600.00</i>	<i>120.00</i>	<i>Long term</i>	<i>Kharif-Rabi Summer</i>
<b>b.</b>	<i>Dr. B.C. Sharma</i>	<i>Prof.</i>	<ol style="list-style-type: none"> <li>1. Crop weather relationship in maize followed by wheat system</li> <li>2. Crop weather relationship in wheat followed by maize</li> <li>3. Weather pest relationship-Fore warning of yellow rust in wheat under subtropical conditions of Jammu</li> </ol>	<i>ICAR:State AICRP-Agrometeorology</i>	<i>21.37</i>	-	<i>Long term/ 2014-15</i>	<i>Kharif</i>
			<ol style="list-style-type: none"> <li>4. Formulation of Crop weather advisory/bulletin</li> </ol>	<i>IMD</i>	<i>7.6</i>		<i>2014-15</i>	<i>Year wise</i>
<b>c.</b>	<i>Dr. Anil Kumar</i>	<i>Prof.</i>	<ol style="list-style-type: none"> <li>1. Long term trial on tillage in maize-wheat cropping system and human continuum.</li> <li>2. Long term trial on rice-wheat cropping system</li> </ol>	<i>ICAR AICRP-Weed</i>	<i>1.00</i>	<i>0.20</i>	<i>2010</i>	<i>Kharif-Rab</i>
<b>d.</b>	<i>Dr. A.K. Gupta</i>	<i>Assoc. Prof.</i>	<ol style="list-style-type: none"> <li>1. On Farm Crop Response to plant nutrient in predominant Cropping system and their impact on crop-</li> </ol>	<i>ICAR AICRP-IFS</i>			<i>2008</i>	<i>Kharif-Rabi Summer</i>



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			<p><i>livestock-human continuum</i></p> <p>2. <i>Crop Diversification of existing Farming sytem under marginal household condit0ns</i></p> <p>3. <i>IFS: On farm evaluation of farming system modules for improving profitability and livelihood of small marginal farmers</i></p>					
<b>e.</b>	<i>Dr. Vijay Khajuria</i>	<i>Sr. Scientist</i>	<p>1. <i>Development of organic farming package for system based high value crops</i></p>	<i>ICAR AICRP-IFS</i>	<i>From Sr. No. a</i>	<i>From Sr. No. a</i>	<i>2008</i>	<i>Kharif-Rab Summer</i>
<b>f.</b>	<i>Dr. N.P. Thakur</i>	<i>Jr. Scientist</i>	<i>Permanent plot experiment on integrated nutrient supply system in rice-wheat system</i>	<i>ICAR AICRP-IFS</i>	<i>From Sr. No. a</i>	<i>From Sr. No. a</i>	<i>1985-86</i>	<i>Kharif-Rab</i>
<b>g.</b>	<i>Dr. R. Puniya</i>	<i>Asstt. Prof.</i>	<p>1. <i>Real time nitrogen management in basmati rice varieties of Jammu region</i></p>	<i>University funded</i>	<i>0.20</i>	<i>0.05</i>	<i>02/2013</i>	<i>Kharif</i>
			<p>2. <i>Evaluation of Longran (Trisulfuron) for efficacy in rice for broad leaf weeds control</i></p>	<i>Industrial funding</i>	<i>3.0</i>	<i>1.0</i>	<i>02/2013</i>	<i>Kharif/Rab</i>
			<p>3. <i>Performance of JAUW – 584 wheat genotypes at different dates of sowing under different fertility levels</i></p>	<i>University funded</i>	<i>0.20</i>	<i>-</i>	<i>2012</i>	<i>Rabi</i>
			<p>4. <i>Effect of hydrogel and limited irrigations on growth and yield of wheat</i></p>	<i>Industrial funding</i>	<i>0.10</i>	<i>0.5</i>	<i>2014</i>	<i>Rabi</i>
			<p>5. <i>Performance of new timely sown wheat genotypes at different under restricted irrigation conditions.</i></p> <p>6. <i>Performance of new wheat genotypes at different nitrogen levels under rainfed conditions</i></p> <p>7. <i>Performance of new timely sown wheat genotypes at different dates of sowing under irrigation conditions</i></p> <p>8. <i>Performance of marker assisted back cross breeding (MABB)</i></p>	<i>ICAR AICRP-Wheat</i>	<i>0.30</i>	<i>0.30</i>	<i>2014</i>	<i>Rabi</i>



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			<i>genotypes for timely sown under irrigated conditions</i>					
<b>h.</b>	<i>Dr. B.R. Bazaya</i>	<i>Asstt. Prof.</i>	<b>1.</b> <i>Evaluation and suitability of weed flora for use in vermin composting in Jammu region</i>	<i>University funded</i>	<i>0.10</i>	<i>0.01</i>	<i>02/2013</i>	<i>Kharif</i>
			<b>2.</b> <i>Effect of sowing dates and weed control methods on growth and yield of rice under aerobic conditions</i>	<i>University funded</i>	<i>0.20</i>	<i>-</i>	<i>2012</i>	<i>Kharif</i>
			<b>3.</b> <i>Performance of JAUW-584 wheat genotypes at different weed management practices</i>	<i>Deptt. Mandatory</i>	<i>0.10</i>	<i>0.5</i>	<i>2014</i>	<i>Rabi</i>
			<b>4.</b> <i>Performance of JAUW-584 wheat genotypes at different dates of sowing under different irrigation levels</i>	<i>Deptt Mandatory</i>	<i>0.10</i>	<i>0.5</i>	<i>2014</i>	<i>Rabi</i>
<b>i.</b>	<i>Dr. M.C. Dwivedi</i>	<i>Asstt. Prof.</i>	<b>1.</b> <i>Productivity and profitability of rice establishment methods under varying INM practices and its residual effect on succeeding wheat crop</i>	<i>University funded</i>	<i>0.20</i>	<i>0.05</i>	<i>02/2013</i>	<i>Kharif/Rab</i>
<b>j.</b>	<i>Dr. Meenakshi Gupta</i>	<i>Asstt. Prof.</i>	<b>1.</b> <i>Agronomic evaluation of Private sector rice hybrid (BS-444 G) under different spacing and fertility level</i>	<i>Industrial funding</i>	<i>0.10</i>	<i>0.10</i>	<i>02/2014</i>	<i>Kharif</i>
			<b>2.</b> <i>Yield forecasting for maize and wheat in low altitude subtropical region of Jammu</i>	<i>FASAL, IMD, Ministry of Earth Sciences</i>	<i>Year wise</i>	<i>Yet not sanctioned</i>	<i>7 years/ 2010</i>	<i>Kharif-Rab</i>
<b>k.</b>	<i>Dr. Sarabdeep Kour</i>	<i>Asstt. Prof.</i>	<i>No Experiment since 2012</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
<b>l.</b>	<i>Mrs. Neetu Sharma</i>	<i>Asstt. Prof.</i>	<i>Pursuing Ph.D</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
<b>m.</b>	<i>Sh. Rakesh Kumar</i>	<i>Asstt. Prof.</i>	<i>Pursuing Ph.D</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
<b>4.</b>	<b>Agricultural Extension Education</b>							
<b>a.</b>	<i>Dr. Rakesh Nanda</i>	<i>Prof. &amp; Head</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
<b>b.</b>	<i>Dr. S.K. Kher</i>	<i>Prof.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
<b>c.</b>	<i>Dr. Rajinder Peshin</i>	<i>Assoc. Prof.</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>



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<b>d.</b>	<i>Dr. P.S. Slathia</i>	<i>Assoc. Prof.</i>	-	-	-	-	-	-	
<b>e.</b>	<i>Dr. Poonam Parihar</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-	
<b>f.</b>	<i>Dr. L.K. Sharma</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-	
<b>g.</b>	<i>Dr. J.S. Manhas</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-	
<b>5.</b>	<b>Entomology</b>								
<b>a.</b>	<i>Dr. R.M. Bhagat</i>	<i>Prof.</i>	<i>Plant volatiles and their role in IPM</i>	-	-	-	2014	-	
<b>b.</b>	<i>Dr. D.P. Abrol</i>	<i>Prof. &amp; Head</i>	<b>1. Assessment of pollinator diversity in coriander and cauliflower (seed production)</b>	<i>ICAR AICRP on Honeybee and Pollinators</i>	60.00	20.00	<i>Long term/ 2014-17</i>	<i>Rabi/Khari. 2014</i>	
			<b>2. Management of non Apis pollinators.</b>						
			<b>3. Screening of linseed varieties against Linseed pod fly</b>	<i>ICAR AICRP on Linseed</i>	0.20	0.20	<i>Long term/ 2012</i>	<i>Rabi 2014</i>	
			<b>4. To study the diversity of non-Apis bee pollinators</b>	<i>ICAR National Project on Insect Biosystematics</i>	15.00	-	2010	<i>Both khari and Rabi</i>	
<b>c.</b>	<i>Dr. V. Kaul</i>	<i>Prof.</i>	<i>Host plant resistance</i>	-	-	-	2014	-	
<b>d.</b>	<i>Dr. Hafeez Ahmad</i>	<i>Prof.</i>	<i>IPM of cereal crops</i>	-	-	-	2014	-	
<b>e.</b>	<i>Dr. R.K. Gupta</i>	<i>Assoc. Prof.</i>	<b>Network project on conservation of lac genetic resources</b> <ul style="list-style-type: none"> <li>• <i>Identification and documentation of lac insect diversity in Jammu Kashmir and Himachal Pradesh</i></li> </ul>	<i>ICAR</i>	62.00	20.00	<i>3 years/ 2014-17</i>	<i>Both Khari and Rabi</i>	
<b>f.</b>	<i>Dr. Uma Shankar</i>	<i>Asstt. Prof.</i>	<b>1. Screening of linseed varieties for other insect pests AICRP Linseed</b>	<i>ICAR National Project on Insect Biosystematics</i>			2014	<i>Rabi</i>	
			<b>2. To study the pollination behaviour non-Apis pollinators</b>						<i>Both Kharif Rabi</i>
<b>g.</b>	<i>Dr. Amit Singh</i>	<i>Asstt. Prof.</i>	<i>IPM of linseed insect pests AICRP Linseed</i>	<i>ICAR AICRP-</i>			2014	<i>Rabi</i>	



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				<i>Linseed</i>				
<b>h.</b>	<i>Dr. Devinder Sharma</i>	<i>Asstt. Prof.</i>	<i>Survey and surveillance of honeybee enemies and disease</i>	<i>ICAR AICRP-Honey bee &amp; Pollinators</i>				<i>Both Kharif Rabi</i>
<b>6.</b>	<b>Fruit Science</b>							
<b>a.</b>	<i>Dr. V.K Wali</i>	<i>Prof. &amp; Head</i>	<i>Establishment of mother plant nurseries for high pedigree planting material of Guava and Citrus</i>	<i>NHB</i>	<i>43.00</i>	<i>-</i>	<i>3 years/ 2012</i>	<i>-</i>
<b>b.</b>	<i>Dr. Parshant Bakshi</i>	<i>Assoc. Prof.</i>	<i>Introduction and evaluation of improved cultivars of different subtropical fruit crops (mango, citrus, guava)</i>	<i>University funded</i>	<i>-</i>	<i>-</i>	<i>2006</i>	<i>-</i>
<b>c.</b>	<i>Dr. Amit Jasrotia</i>	<i>Asstt. Prof.</i>	<i>Survey and selection of walnut for qualitative and quantitative traits</i>	<i>University funded</i>	<i>-</i>	<i>-</i>	<i>2012</i>	
<b>d.</b>	<i>Dr. Arti Sharma</i>	<i>Asstt. Prof.</i>	<i>Effect of spacing on yield and quality of guava cv. L-49</i>	<i>University funded</i>	<i>-</i>	<i>-</i>	<i>2012</i>	<i>-</i>
<b>e.</b>	<i>Dr. Kiran Kour</i>	<i>Asstt. Prof.</i>	<i>Standardization of in vitro propagation of virus free planting material of Kinnow mandarin and lemon</i>	<i>NHB</i>	<i>Funds attracted from S.No. a</i>	<i>-</i>	<i>2014</i>	<i>-</i>
<b>f.</b>	<i>Dr. Rajesh Kumar</i>	<i>Asstt. Prof.</i>	<i>Establishment of nuts center in intermediate agro-climatic zone of Jammu province to augment requirement of quality planting material</i>	<i>RKVY</i>	<i>31.59</i>	<i>8.13</i>	<i>3 years/ 2014</i>	<i>Rabi</i>
<b>g.</b>	<i>Dr. Deep Ji Bhat</i>	<i>Asstt. Prof.</i>	<i>Collection, introduction and evaluation of pomegranate germplasms for Jammu sub-tropics</i>	<i>University funded</i>	<i>-</i>	<i>-</i>	<i>2005</i>	
<b>h.</b>	<i>Dr. Akash Sharma</i>	<i>Asstt. Prof.</i>	<i>Survey, selection, evaluation and maintenance of some cultivars of Mango</i>	<i>University funded</i>	<i>-</i>	<i>-</i>	<i>2004</i>	
<b>i.</b>	<i>Dr. Nirmal Sharma</i>	<i>Asstt. Prof.</i>	<i>Diallel Analysis in Strawberry</i>	<i>University funded</i>	<i>-</i>	<i>-</i>	<i>2012</i>	
<b>7.</b>	<b>Plant Breeding &amp; Genetics</b>							
<b>a.</b>	<i>Bikram Singh</i>	<i>Prof.</i>	<b><u>Rice Crop Improvement</u></b> <b>1. Initial Varietal Trial-Basmati (IVT-BT) (PI: Dr. Bupesh Kumar)</b> <b>2. Advance Varietal Trial-1Basmati (AVT1-BT) (PI: Dr. Bupesh</b>	<i>ICAR AICRP-Rice</i>	<i>-</i>	<i>71.60</i>	<i>1999</i>	<i>Kharif</i>





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			<p>Kumar)</p> <ol style="list-style-type: none"> <li>3. <i>Initial Varietal Trial-Biofortification (IVT-Biofort.) (PI: Dr. Bupesh Kumar)</i></li> <li>4. <i>Advance Varietal Trial-1 Biofortification (AVT1-Biofort.) (PI: Dr. Bikram Singh)</i></li> <li>5. <i>Initial Varietal Trial-Irrigated Medium (IVT-IM) (PI: Dr. Bikram Singh)</i></li> <li>6. <i>Advance Varietal Trial- 1Irrigated Medium (AVT1-IM) (PI: Dr. Bupesh Kumar)</i></li> <li>7. <i>Advance Varietal Trial- 2 Irrigated Medium (AVT2-IM) (PI: Dr. S.K Sudan)</i></li> <li>8. <i>Breeder Seed Production (PI: Dr. S.K Sudan)</i></li> </ol> <p><b><u>Rice Pathology</u></b></p> <ol style="list-style-type: none"> <li>1. <i>Evaluation of new fungicides against brown spot of rice (PI: Dr. Anil Gupta)</i></li> <li>2. <i>Screening of nurseries against major rice disease. a. NSN1 b. NSN2 c. NHSN d. DSN (PI: Dr. Anil Gupta)</i></li> <li>3. <i>Production oriented survey of rice (PI: Dr. Anil Gupta)</i></li> </ol> <p><b><u>Rice Agronomy</u></b> Dr Anuradha Saha</p>					
a.	Dr. Bupesh Kumar	Jr. Scientist	<ol style="list-style-type: none"> <li>1. <i>Initial Hybrid Rice Trial-Medium (IHRT-M)</i></li> <li>2. <i>Private Sector Hybrid Testing</i></li> </ol>	ICAR	-	0.439	2013	Kharif
b.	Dr. S.K. Gupta		<p><b><u>Oilseed Crop Improvement</u></b></p> <ol style="list-style-type: none"> <li>1. <i>Initial Varietal trial – Toria (PI: Dr. S.K Rai)</i></li> <li>2. <i>Advance yield trial - Toria (PI:Dr. S.K Rai)</i></li> <li>3. <i>Initial Varietal trial – Early Mustard (PI: Dr. S.K Rai)</i></li> </ol>	ICAR AICRP- Rapeseed & Mustard	-		2010-11	Rabi



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			<p>4. Advance yield trial - Early Mustard (PI: Dr. S.K Rai)</p> <p>5. Initial Varietal trial – Timely Sown (Irrigated) mustard. (PI: Dr. S.K Rai)</p> <p>6. Advance yield trial – I+II Timely Sown mustard ( PI: Dr. S.K Rai)</p> <p>7. Evaluation of advanced breeding materials of Gobi sarson(B.napus) (PI: Dr. S.K.Gupta)</p> <p>8. Evaluation of advanced breeding materials of Indian mustard(B.juncea) (PI: Dr. S.K.Gupta)</p> <p>9. Genetic Resource Management ( PI: Dr. S.K.Gupta)</p> <p><b>Oil Seed Agronomy</b></p> <p>1. Enhancing WUE of Indian Mustard under deficit and adequate irrigation scheduling with hydrogel (PI: Dr. Rajeev Bharat)</p> <p>2. Agronomic evaluation for yield maximization (For newly released rapeseed mustard varieties of Zone II) (PI: Dr. Rajeev Bharat )</p> <p>3. Survey and Surveillance of dominant weed flora in rapeseed mustard crop under changing climate scenario (PI: Dr. Rajeev Bharat)</p>					
c.	Dr. Bikram Singh	Prof.	<p><b>Wheat Crop Improvement</b></p> <p>1. National Initial Evaluation Trial. 1A (PI. Dr. Tuhina Dey )</p> <p>2. National Initial Evaluation Trial 1B (PI: Dr. S.K. Mondal )</p> <p>3. National Initial Evaluation Trial 5A RF (PI: Dr. Tuhina Dey)</p> <p>4. National Initial Evaluation Trial 5A RI (PI: Dr. Bikram Singh)</p> <p>5. Development and Evaluation of advanced breeding materials of</p>	ICAR AICRP on Wheat & Barley		33.00	2005	Rabi



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			<p><i>Wheat (PI: Bikram Singh)</i></p> <ol style="list-style-type: none"> <li>6. <i>Advance Varietal Trial, Timely-Irrigated. (PI. Dr. Tuhina Dey)</i></li> <li>7. <i>Advance Varietal Trial, Rainfed. (PI. Dr. Bikram Singh)</i></li> <li>8. <i>Advance Varietal Trial RI (PI Dr S. K. Mondal)</i></li> <li>9. <i>Advance Varietal Trial Late Sown. (PI. Dr. Tuhina Dey)</i></li> <li>10. <i>Advance varietal trial Marker Assisted BC Breeding (PI. Dr. Tuhina Dey)</i></li> <li>11. <i>Screening Nurseries &amp; germplasms (PI: Tuhina Dey)</i></li> <li>12. <i>Nucleus Seed Production (PI: Dr. S.K Mondal)</i></li> </ol> <p><b><u>Wheat Pathology</u></b></p> <ol style="list-style-type: none"> <li>1. <i>Screening of following Nurseries: (PI: Dr. M.K.Pandey)</i> <ol style="list-style-type: none"> <li>a. <i>Initial Plant Pathological for yellow rust in AI conditions.</i></li> <li>b. <i>Plant Pathological Nursery for brown &amp; yellow Rust in AI condition.</i></li> <li>c. <i>Karnal Bunt Nursery in artificial inoculated condition.</i></li> <li>d. <i>Multiple Disease Screening Nursery under artificial inoculated condition.</i></li> <li>e. <i>Wheat Disease Trap Plot Nursery at Chatha, Kathua and Rajouri.</i></li> <li>f. <i>SAARC-Nursery at Chatha, Kathua and Rajouri.</i></li> </ol> </li> <li>2. <i>Conduct the management trial "Chemical management of stripe rust of wheat". (PI: Dr. M.K.Pandey)</i></li> <li>3. <b>Survey</b>  <i>Crop health Monitoring: Pre &amp; Post harvest survey at fortnightly of</i></li> </ol>				
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			<i>Jammu wheat growing regions &amp; collect the samples of wheat diseases viz. yellow &amp; brown rust, powdery mildew, karnal bunt etc. for identification of pathogens.</i>					
<b>d.</b>	<i>Dr. R.R Mir</i>	<i>Asstt. Prof.</i>	<i>Nutri-genomics and transcriptomics for identification of genes for zinc, iron and protein content in common bean</i>	<i>DST, New Delhi</i>		<i>22.00</i>	<i>3 years/ 2013</i>	<i>Rabi/Kharif</i>
<b>e.</b>	<i>Dr. A.K Razdan</i>	<i>Prof.</i>	<i>Testing of Maize Hybrids of Private Heterotic breeding in maize</i>	<i>Industrial funding</i>		<i>8.0</i>	<i>3 years/ 2010</i>	<i>Kharif</i>
<b>9.</b>	<b>Plant Pathology</b>							
<b>a.</b>	<i>Dr. V.K. Razdan</i>	<i>Prof. &amp; Head</i>	<i>Exploration of plant growth rhizobacteria, antagonistic and plant pathogenic microbial resources from high altitude agro-climatic / cropping system of Jammu and Kashmir state for sustainable agriculture.</i>	<i>AMAAS , ICAR</i>	<i>43.82</i>	<i>3.67</i>	<i>3 years/ 2014</i>	<i>Whole yea.</i>
<b>b.</b>	<i>Dr. Prachi Sharma</i>	<i>Asstt. Prof.</i>	<i>Identification and characterization of microorganisms from different agro-climatic systems</i>	<i>-do-</i>	<i>-do-</i>	<i>-do-</i>	<i>-do-</i>	<i>-do-</i>
<b>c.</b>	<i>Dr. Sachin Gupta</i>	<i>Asstt. Prof.</i>	<i>Degradation and effective utilization of agro-wastes through technologies involving mushrooms or macro-fungi</i>	<i>AMAAS , ICAR</i>	<i>38.92</i>	<i>3.82</i>	<i>3 years/ 2014</i>	<i>Whole yea.</i>
<b>d.</b>	<i>Dr. S.K. Singh</i>	<i>Assoc. Prof.</i>	<i>Identification and collection of various agro-wastes</i>	<i>-do-</i>	<i>-do-</i>	<i>-do-</i>	<i>-do-</i>	<i>-do-</i>
<b>e.</b>	<i>Dr. Ranbir Singh</i>	<i>Asstt. Prof.</i>	<i>Exploration of spent Mushroom substrate</i>	<i>-do-</i>	<i>-do-</i>	<i>-do-</i>	<i>-do-</i>	<i>-do-</i>
<b>f.</b>	<i>Dr. Vishal Gupta</i>	<i>Asstt. Prof.</i>	<i>Diversity of Pseudomonas fluorescense and utilization in diseases suppression and nutrient management.</i>	<i>DST, New Delhi</i>	<i>18.50</i>	<i>2.50</i>	<i>3 years/ 2012</i>	<i>Whole yea.</i>
<b>g.</b>	<i>Dr. A.K. Singh</i>	<i>Asstt. Prof.</i>	<i>Bio-prospecting of Pseudomonas fluorescens for disease suppression and plant growth promotion traits</i>	<i>DST, New Delhi</i>	<i>18.50</i>	<i>2.50</i>	<i>3 years/ 2012</i>	<i>Whole yea.</i>
<b>10.</b>	<b>Soil Science &amp; Agricultural Chemistry</b>							
<b>a.</b>	<i>Dr. K.R. Sharma</i>	<i>Prof. &amp; Head</i>	<i>1. Assessment of soil fertility and its spatial variability for nutrient management using GIS in various districts of Jammu division</i>	<i>RKVY</i>	<i>76.84</i>	<i>7.16</i>	<i>3 years/ 2014</i>	<i>Whole yea.</i>



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			2. Soil erodibility, aggregate and organic carbon dynamics under different land use systems in submountane Jammu 3. Studies on soil boron dynamic and nutrition in Broccoli	University funded  University funded				
<b>b.</b>	Dr. A.K. Bhat	Prof.	Biomediate transformation in forest floor of Jammu region.	University funded	-	-	-	-
<b>c.</b>	Dr. M.P. Sharma	Prof.	Spatial variability of soil nutrient and carbon pools under different land uses in hilly zone of Doda district of J&K	University funded	-	-	-	-
<b>d.</b>	Dr. A.K. Mondal	Prof.	Studies on Zinc in rice-wheat growing soils in sub-tropical areas of Jammu region	University funded	-	-	-	-
<b>e.</b>	Dr. Vikas Sharma	Assoc. Prof.	To assess the spatial variability of nutrient in different districts using geo-statistical techniques	RKVY	-do-	-do-	-	-
<b>f.</b>	Dr. A.P. Rai	Asstt. Prof.	Phosphorus fraction in mothbean (vigna aconitifolia(Jacq.) Marecher) growing soils of district Poonch	University funded	-	-	-	-
<b>g.</b>	Dr. Vivak M. Arya	Asstt. Prof.	1. National Initiative on Climate Resilient Agriculture (AICRPAM-NICRA) 2. Effect of long term application of organic and inorganic fertilizers on soil properties and yield of maize under rainfed conditon	ICAR  University funded	90.00	11.00	7 years/ 2010	Whole yea.
<b>h.</b>	Dr. Renu Gupta	Asstt. Prof.	Isolation and characterization of diazotrophic and p-solubilising bacteria in rice rhizosphere of Jammu District	University funded	-	-	-	-
<b>i.</b>	Dr. A.K.Raina	Chief Scientist	1. Benchmarking Ranbir canal command area (38623 ha) of Jammu region for Performance Indicators of Rice & Wheat crop through field input cum RS and GIS Technique- <b>ORP</b> 2. Optimization of land and water resources of Tawi lift canal command area of Jammu	DWM-ICAR	-	31.00	Long term/ 2012-13  Long term/ 2013-14	Both f. Kharif (Rice)& Ra (Wheat) crops with Ranbir can command area.



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			(14710ha) for rice-wheat sequence.- <b>ORP</b>					
<b>j.</b>	Dr. A. Samanta,	Sr. Scientist, (Soil Sc. & Agril. Chem.)	<ol style="list-style-type: none"> <li>1. Studies on soil-water-plant relationships for efficient irrigation management of field crops under Jammu conditions.-<b>ORP</b></li> <li>2. Effect of establishment methods and irrigation regimes on water productivity of basmati rice.-<b>On-Station</b></li> <li>3. Effect of establishment methods and irrigation regimes on water productivity of wheat.-<b>On-Station</b></li> <li>4. Study related to techno-economic feasibility of sub surface pipe irrigation system within the canal command area of Jammu region.-<b>On-Station</b></li> <li>5. Effect of puddling methods and irrigation regimes on water balance in rice. <b>On-Station</b></li> <li>6. Modelling for planning the conjunctive use of water at basin level within the canal commands of Jammu.- <b>ORP</b></li> </ol>	DWM-ICAR			2014-15	Kharif & Rabi crops
							2 years/ 2013	Kharif
							2 years/ 2013	Rabi
							2013-Contd.	Kharif & Ra
							2 years/ 2014	Kharif
							2013	Kharif & Rabi
<b>k.</b>	Er. N.K.Gupta	Sr. Scientist (Agril. Engg)	<ol style="list-style-type: none"> <li>1. Alternative crop rotation of potato-rajmash to overcome the shrinking water availability within Canal Commands.-<b>On-Station</b></li> <li>2. Enhancing productivity of water logged areas of canal command areas of Jammu region- <b>On-Station</b></li> </ol>	DWM-ICAR			3 years/ 2013	Rabi
							2013	Kharif
<b>l.</b>	Dr. Vijay Bharti	Jr. Scientist (Agronomy)	<ol style="list-style-type: none"> <li>1. Evaluation of Sprinkler System in Potato (<i>Solanum tuberosum</i>). <b>On-Station</b></li> <li>2. To study the impact of laser levelling on WUE in rice- wheat system within village Hakal of Ranbir Canal Command Area.- <b>ORP</b></li> </ol>	DWM-ICAR			3 years/ 2011	Rabi
							2 years/ 2013	Kharif



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			<p>3. Evaluation of drip irrigation layout and effect of irrigation on tomato (<i>Lycopersicon esculentum</i>). - <b>On-Station</b></p> <p>4. Evaluation of aerobic rice cultivation under different wheat establishment methods for irrigated areas of Jammu- <b>On-Station</b></p>				<p>2 years/ 2014</p> <p>2 years/ 2014</p>	<p>Kharif</p> <p>Kharif</p>
<b>11.</b>	<b>Vegetable Sciences &amp; Floriculture</b>							
<b>a.</b>	Dr. R.K. Samnotra	Prof. & Head	<p>1. Collection and maintenance of germplasms of vegetable crops</p> <p>2. Stability studies in tomato and brinjal</p> <p>3. Standardization of climate resilient technologies in tomato</p>	<p>AICRP (VC)</p> <p>IIVRI, Varanasi University funded</p>	-	1.0	<p>Long Term/ 2014-15</p>	All the year
<b>b.</b>	Dr. Sandeep Chopra	Assoc. Prof.	Weed control management in onion and garlic	University funded	-	-	2013-14	Rabi
<b>c.</b>	Dr. Satesh Kumar	Asstt. Prof.	<p>1. Initial and advanced varietal trials on onion and garlic</p> <p>2. Initial and advanced varietal trials on bottlegourd</p> <p>3. Collection, evaluation and maintenance of local germplasms of garlic.</p>	<p>AINRPOG, DOGR, Pune</p> <p>IIVR, Varanasi</p> <p>University funded</p>	<p>2.50</p> <p>-</p> <p>-</p>	<p>0.80</p> <p>-</p> <p>-</p>	<p>2010-11</p> <p>2007-08</p> <p>Long Term/ 2011-12</p>	<p>Rabi/Kharif</p> <p>Kharif</p> <p>Rabi</p>
<b>d.</b>	Dr. Manoj Kumar	Asstt. Prof.	<p>1. Initial and advanced varietal trials on okra</p> <p>2. Standardization of INM technologies in cauliflower</p>	<p>IIVRI, Varanasi</p> <p>University funded</p>	-	-	<p>Long term/ 2011-12</p> <p>2 years/ 2014-15</p>	
<b>e.</b>	Dr. Sanjeev Kumar	Asstt. Prof.	<p>1. Production of quality planting material of important vegetables crops of Jammu region</p> <p>2. Initial and advanced varietal trials on tomato, chilli and capsicum</p> <p>3. Heterosis breeding in brinjal</p>	<p>RKVY</p> <p>IIVRI, Varanasi</p> <p>University funded</p>	<p>23.12</p> <p>-</p> <p>-</p>	<p>7.35</p> <p>-</p> <p>-</p>	<p>2014-15</p> <p>2007-08</p> <p>2013-14</p>	<p>Rabi and Kharif</p> <p></p> <p></p>
<b>f.</b>	Dr. Arvinder Singh	Asstt. Prof.	1. Production and demonstration of quality planting material of	NABARD	8.68	4.34	2 years/ 2014	Rabi and Kharif



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			<i>commercially important cut and loose flowers in Jammu region under FTTF (Farmer Technology and Transfer Fund)</i>					
<b>g.</b>	<i>Dr. Nomita Laishram</i>	<i>Asstt. Prof. (PI)</i>	<i>Collection, evaluation and maintenance of ornamental bulbous plants of commercial importance under Jammu conditions</i>	<i>Out of NABARD Project</i>	-	-	<i>Long term/ 2014-15</i>	<i>Rabi and Kharif</i>
<b>h.</b>	<i>Dr. R.K. Pandey</i>	<i>Assoc. Prof. (PI)</i>	<i>Collection and maintenance of ornamental plants for landscaping and indoor decorations (Model floriculture nursery)</i>	<i>University funded</i>	-	-	<i>2014-15 (Long term)</i>	<i>Rabi and Kharif</i>
<b>i.</b>	<i>Dr. Sheetal Dogra</i>	<i>Asstt. Pro.f</i>	<i>Effect of growth regulators on vegetative and flowering characteristics of Marigold cv. Pusa Basanti Gaiinda</i>	<i>University funded</i>	-	-	<i>2014-15</i>	<i>Rabi and Kharif</i>
<b>12.</b>	<b>Mega Seed Project, Chatha</b>							
<b>a.</b>	<i>Dr. S.K. Mondal</i>	<i>Prof, (PBG)/Nodal Officer</i>	<ol style="list-style-type: none"> <li><b>1. Seed Production in Agricultural crops</b></li> <li><b>2. Seed Production TSP (ST) at Rajouri</b></li> <li><b>3. Seed Production TSP (ST) at Poonch</b></li> </ol>	<i>ICAR</i>		<i>11.25</i>	<i>Long term/ 2008</i>	-
<b>b.</b>	<i>Dr. Anjani Kumar Singh</i>	<i>Jr. Scientist (PBG)</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. Vishal Raina</i>	<i>Jr. Scientist (PBG)</i>	-	-	-	-	-	-
<b>d.</b>	<i>Dr. Magdeshwar Sharma</i>	<i>Jr. Scientist (Entomology)</i>	-	-	-	-	-	-





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## **FACULTY OF BASIC SCIENCE**



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**RESEARCH AT A GLANCE**  
**(2014-15)**

**B. FACULTY OF BASIC SCIENCE**

S. No.	Name of the Scientist	Designation	Title of the Experiment (only as Principal Investigator)	Funding Agency	Funding Attracted (Rs. in lakhs)		Duration/ year of start	Whether Kharif/ Rabi Season
					Total Budget	For the year 2014-15		
<b>1. Agricultural Economics and Statistics</b>								
a.	Dr. S. E. H. Rizvi	Prof. (Statistics) & Head	All India Survey on Higher Education (AISHE)	MHRD, Govt. of India	-	-	Long term/ 2011	-
b.	Dr. Manish Kr. Sharma	Assoc. Prof. (Statistics)	National Information System of Agriculture Education Network in India (NISAGENET)	Education Division of ICAR	1.00	1.00 per year	Long term/ 2010	
c.	Dr. Anil Bhat	Asstt. Prof. (Agril. Economics)	Diagnostic study of farmers in context of price spread analysis, marketing pattern and assessment of agricultural diversification in Chenani block of Udhampur district	NABARD	0.40	0.40	2 years/ 2014	Whole year
d.	Dr. Jyoti Kachroo	Prof. (Agril. Economics)	-	-	-	-	-	-
e.	Dr. S. Dwivedi	Assoc. Prof. (Agril. Economics)	-	-	-	-	-	-
f.	Dr. S. P. Singh	Asstt. Prof. (Agril. Economics)	-	-	-	-	-	-
<b>2. Biochemistry &amp; Plant Physiology</b>								
a.	Dr. S.A. Malick	Prof., Biochemistry	1. Isolation and characterization of Bacillus Species for heat resistant amylase production 2. Biochemical studies on photoperiod and temperature effects on yield and quality of wheat cultivars	University funded)	-	-	2 years/ 2013  2014-15	Rabi
b.	Dr. Moni	Asstt. Prof.,	1. Exploiting Bio control Agent of	University	-	-	2013-14	



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	Gupta	Biochemistry	Jammu region on the basis of biochemical and molecular determinant 2. Biochemical characterization of edible mushroom of Jammu region	funded			2014-15	
c.	Dr. Vikas Sharma	Asstt. Prof., Biochemistry	1. In Vitro anticancer and antimicrobial properties of some medicinal plants from Jammu region 2. Exploiting in Vitro anticancer efficiency of some fruits from Jammu region	University funded	-	-	2014-15 2013-14	-
d.	Dr. Bhav Kumar Sinha	Asstt. Prof., Plant Physiology	Physiological responses of Brassica genotypes under drought stress condition	University funded	-	-	2014-15	Rabi
e.	Dr. Sanjay Guleria	Assoc. Prof., Plant Physiology	Pursuing PDF	-	-	-	-	-
f.	Sh. Gurdev Chand	Asstt Prof., Plant Physiology	Pursuing Ph.D	-	-	-	-	-
<b>3. Sericulture</b>								
a.	Dr. R.K. Bali	Assoc. Prof.	1. Impact of chawki reared worms on double cropping system and its role in livelihood generation in rural areas 2. <b>Introduction and evaluation of silkworm evaluation</b> • Evaluation of autumn specific breeds/hybrids • Breeding for high yielding spring specific silkworm lines/hybrids • Effect of feed rationing on the commercial cocoon characters of silkworm <i>Bombyx mori</i> L	DBT University funded	25.00 -	6.38 -	3 years 2012 Long term/ 2012 2012 2015	- Autumn Season (September-October) Spring Seac (March-Apri. Spring Seac (March-Apri.



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<b>b.</b>	<i>Sh. Darshan Singh</i>	<i>Asstt. Prof.</i>	<b>1. Introduction, conservation and evaluation of mulberry germplasm</b> <ul style="list-style-type: none"> <li>• <i>Studies on phytomorphology and nutrient components of popular mulberry varieties of Jammu</i></li> <li>• <i>Effect of different dates of pruning on quality of mulberry leaves and silkworm cocoon metric traits</i></li> </ul>	<i>University funded</i>	-	-	<i>Long term/ 2013</i>	<i>Spring Season (February-April)</i>
							<i>2012</i>	
							<i>2015</i>	<i>Autumn Season (December)</i>



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**SCHOOL OF BIOTECHNOLOGY/  
SCHOOL OF AGRI-BUSINESS MANAGEMENT/  
SCHOOL OF GENOMICS, MOLECULAR BIOLOGY &  
MICROBIOLOGY**



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**RESEARCH AT A GLANCE**  
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**C. SCHOOL OF BIOTECHNOLOGY**

S. No.	Name of the Scientist	Designation	Title of the Experiment (only as Principal Investigator)	Funding Agency	Funding Attracted (Rs. in lakhs)		Duration/ year of start	Whether Kharif/ Rabi Season
					Total Budget	For the year 2014-15		
a.	Dr. R. K. Salgotra	Associate Professor cum-Coordinator	Development of molecular laboratory for analysis of purity of germplasm of basmati rice and other seeds	STFP, J&K Govt.	196.00	50.00	5 years/ 2013	Kharif
b.	Dr. R. K. Salgotra	Associate Professor-cum-Coordinator	Assessment of genetic diversity of basmati rice using molecular markers and in situ conservation through participatory approach	DBT, New Delhi	19.13	-	3 years/ 2011	Kharif
c.	Dr. G.K. Rai	Assistant Professor	Determination of erucic acid in Brassica juncea genotypes and development of F <sub>1</sub> using high and low erucic acid genotypes	DBT, New Delhi	35.93	16.45	3 years/ 2014	Rabi
d.	Dr. S.M. Zargar	Assistant Professor	Determination of genetic diversity among common bean ( <i>Phaseolus vulgaris</i> ) genotypes and assessment for water stress tolerance	DST, SERB, New Delhi	22.40	3.50	3 years/ 2012	Kharif
e.	Dr. Ravinder Singh	Assistant Professor	Development of Single Nucleotide Polymorphisms (SNPs) in Brassica juncea	DBT, New Delhi	58.43	6.00	3 years/ 2013	Rabi
f.	Dr. Manmohan Sharma	Assistant Professor	Molecular marker assisted introgression and validation of blast resistance genes in rice cultivar K 343 recommended for the hill zone of Jammu & Kashmir	DST, SERB, New Delhi	30.32	14.00	3 years/ 2014	Kharif
g.	Dr. Susheel Sharma	Assistant Professor	Molecular marker assisted introgression of powdery mildew resistance genes into the elite cultivar of pea ( <i>Pisum sativum</i> L.)	DST, SERB, New Delhi	19.00	7.00	3 years/ 2014	Rabi
h.	Dr. A.K. Singh	Assistant Professor	-	-	-	-	-	-



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**D. SCHOOL OF AGRI-BUSINESS MANAGEMENT**

S. No.	Name of the Scientist	Designation	Title of the Experiment (only as Principal Investigator)	Funding Agency	Funding Attracted (Rs. in lakhs)		Duration/ year of start	Whi Kh R: See
					Total Budget	For the year 2014-15		
a.	<i>Prof. Jyoti Kachroo</i>	<i>Co-ordinator, SABM</i>	-	-	-	-	-	
b.	<i>Mr. Dalip Raina</i>	<i>Teacher (Contractual), SABM</i>	-	-	-	-	-	
c.	<i>Dr. Anil Bhat</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	



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**E. SCHOOL OF GENOMICS, MOLECULAR BIOLOGY & MICROBIOLOGY**

S. No.	Name of the Scientist	Designation	Title of the Experiment (only as Principal Investigator)	Funding Agency	Funding Attracted (Rs. in lakhs)		Duration/ year of start	Whether Kharif/ Rabi Season
					Total Budget	For the year 2014-15		
a.	<i>Prof. A.K. Bhat</i>	<i>Co-ordinator, SGMB&amp;M</i>	-	-	-	-	-	-
b.	<i>Dr. Brajeshwar Singh</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-





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# **FACULTY OF VETERINARY SCIENCE & ANIMAL HUSBANDARY**



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**RESEARCH AT A GLANCE**  
**(2014-15)**

**F. FACULTY OF VETERINARY SCIENCES & ANIMAL HUSBANDRY**

S. No.	Name of the Scientist	Designation	Title of the Experiment (only as Principal Investigator)	Funding Agency	Funding Attracted (Rs. in lakhs)		Duration/ year of start	Whether Kharif/ Rabi Season
					Total Budget	For the year 2014- 15		
<b>1.</b>	<b>Animal Genetics &amp; Breeding</b>							
<b>a.</b>	<i>Dr. R.K. Taggar</i>	<i>Assoc. Prof.</i>	<i>a. Characterization of Bhakarwali Goat</i>	<i>ICAR (Network project)</i>	<i>25.2</i>	<i>24.2</i>	<i>1.5 years/ 2014</i>	<i>Whole year activity</i>
			<i>b. Characterization and Conservation of Poonchi Sheep</i>		<i>52.5</i>	<i>47.5</i>	<i>3 years/ 2014</i>	<i>Whole year activity</i>
<b>b.</b>	<i>Dr. Nishant Kumar</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. Dharendra Kumar</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>d.</b>	<i>Dr. Dibyendu Chakraborty</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>2.</b>	<b>Animal Nutrition</b>							
<b>a.</b>	<i>Dr. R.K. Sharma</i>	<i>Assoc. Prof. &amp; Head</i>	-	-	-	-	-	-
<b>b.</b>	<i>Dr. Ankur Rastogi</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. A.K. Pathak</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>3.</b>	<b>Live Stock Production &amp; Management</b>							
<b>a.</b>	<i>Dr. Asma Khan</i>	<i>Assoc. Prof.</i>	-	-	-	-	-	-
<b>b.</b>	<i>Dr. Sahar Masud</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. Dipanjali Konwer</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>4.</b>	<b>Live Stock Products Technology</b>							
<b>a.</b>	<i>Dr. Sunil Kumar</i>	<i>Assoc. Prof &amp; Head</i>	<i>Socioeconomic development of rural women through development of value added meat products</i>	<i>DBT</i>	<i>13.22</i>	<i>6.94</i>	<i>3years/ 2013</i>	<i>NA</i>
<b>b.</b>	<i>Dr. Zuhaib</i>	<i>Asstt. Prof.</i>	<i>Empowerment of rural women through training</i>	<i>DST</i>	<i>5.02</i>	<i>3.26</i>	<i>2 years/</i>	<i>NA</i>



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	Fayaz Bhat		programme on development of value added livestock products				2013	
<b>c.</b>	Dr. Arvind Kumar	Asstt. Prof.	-	-	-	-	-	-
<b>5.</b>	<b>Veterinary Gynaecology &amp; Obstetrics</b>							
<b>a.</b>	Dr. Anil Kumar Pandey	Asstt. Prof.	1. Breeding and Management Strategies in Dairy Animals for Socio Economic Up-Liftment of Rural Women	DST	15.8	4.5	4 years/2010	-
			2. Genetic Improvement of Sheep through ETT" as part of central scheme on "Integrated Development of small ruminants and rabbits" (Implemented in collaboration with Directorate of Sheep Husbandry through State Implementation Agency of Govt. of J&K	Ministry of Agriculture, GOI	83.98	3.5	4 years/2010	-
<b>b.</b>	Dr. J.S. Soodan	Prof. & Head	-	-	-	-	-	-
<b>c.</b>	Dr. H.R. Bhardwaj	Assoc. Prof.	-	-	-	-	-	-
<b>d.</b>	Dr. Utsav Sharma	Assoc. Prof.	-	-	-	-	-	-
<b>e.</b>	Dr. Ashok Kumar	Asstt. Prof.	-	-	-	-	-	-
<b>f.</b>	Dr. Sharad Kumar	Asstt. Prof.	-	-	-	-	-	-
<b>g.</b>	Dr. R.B. Kushwaha	Asstt. Prof.	-	-	-	-	-	-
<b>6.</b>	<b>Veterinary Anatomy</b>							
<b>a.</b>	Dr. Kamal Sarma	Assoc. Prof./Head	-	-	-	-	-	-
<b>b.</b>	Dr. Shalini Suri	Assoc. Prof.	-	-	-	-	-	-
<b>c.</b>	Dr. Jasvinder Singh Sasan* The Scientist has joined on 22.08.2014	Asstt. Prof.	-	-	-	-	-	-
<b>7.</b>	<b>Veterinary &amp; Animal Husbandry Extension Education</b>							
<b>a.</b>	Dr. M.S. Bhadwal	Assoc. Dean & Head	-	-	-	-	-	-
<b>b.</b>	Dr. Pranav	Asstt. Prof.	-	-	-	-	-	-



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	<i>Kumar</i>							
<b>c.</b>	<i>Dr. S.A. Khandi</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>8.</b>	<b>Veterinary Gynaecology &amp; Obstetrics</b>							
<b>a.</b>	<i>Dr. Utsav Sharma</i>	<i>Assoc. Prof.</i>	-	-	-	-	-	-
<b>b.</b>	<i>Dr. W.A.A. Razzaque</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. Nishi Pande</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>9.</b>	<b>Veterinary Medicine</b>							
<b>a.</b>	<i>Dr. Rajiv Singh</i>	<i>Prof. &amp; Head</i>	<i>1. Animal Disease Monitoring and Surveillance of the livestock of Jammu region</i>	<i>J&amp;K Govt.</i>			<i>5 years/ 2012</i>	<i>Whole year activity</i>
			<i>2. Nutritional enhancement of livestock through Urea Mollases Malnutrient Block and roughage block supplementation</i>	<i>RKVY</i>	<i>20.00</i>	<i>10.00</i>	<i>2014-15</i>	<i>Whole year activity</i>
<b>b.</b>	<i>Dr. V. S. Wazir</i>	<i>Assoc. Prof.</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. Kafil Hussain</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>d.</b>	<i>Dr. Rajesh Agarwal</i>	<i>Asstt. Prof. (On deputation for Ph.D)</i>	-	-	-	-	-	-
<b>e.</b>	<i>Dr. Neelesh Sharma</i>	<i>Asstt. Prof</i>	-	-	-	-	-	-
<b>f.</b>	<i>Dr. S.R. Upadhyay</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>g.</b>	<i>Dr. Abha Tikoo</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>10.</b>	<b>Veterinary Microbiology</b>							
<b>a.</b>	<i>Dr. Anil Taku</i>	<i>Prof. &amp; Head</i>	<i>Veterinary Type Culture Collection, isolation, characterization of microbial pathogens of animal health importance</i>	<i>ICAR (Network Project)</i>	-	<i>5.00</i>	<i>7 years/ 2010</i>	-
<b>b.</b>	<i>Dr. M. Altaf Bhat</i>	<i>Assoc. Prof.</i>	-	-	-	-	-	-



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<b>c.</b>	<i>Dr. Pradeep Sawant</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>d.</b>	<i>Dr. Sabahat Gazal</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>11. Veterinary Parasitology</b>								
<b>a.</b>	<i>Dr. Rajesh Katoch</i>	<i>Prof. &amp; Head</i>	1. <i>Molecular characterization of Cryptosporidium spp. infecting cattle</i>	<i>DBT</i>	<i>27.40</i>	<i>0.30</i>	<i>3 years/ 2012</i>	<i>NA</i>
			2. <i>Detection of Acaricide resistance in ticks</i>	<i>RKVY</i>	<i>21.75</i>	<i>10.00</i>	<i>2 years/ 2014</i>	<i>NA</i>
			3. <i>To study efficacy of herbal ectoparasitocidal and fly repellent product (keetguard liquid) to control ectoparasities and fly population in poultry broiler farm</i>	<i>Industrial funding</i>	<i>0.60</i>	<i>23.00</i>	<i>2014-15</i>	<i>NA</i>
<b>b.</b>	<i>Dr. Anish Yadav</i>	<i>Associate Professor</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. Rajesh Godara</i>	<i>Assistant Professor</i>	-	-	-	-	-	-
<b>12. Veterinary Pathology</b>								
<b>a.</b>	<i>Dr. Shagufta Azmi</i>	<i>Assoc. Prof.</i>	-	-	-	-	-	-
<b>b.</b>	<i>Dr. Nawab Bashiruddullah</i>	<i>Assoc. Prof.</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. Shilpa Sood</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>d.</b>	<i>Dr. Shafiqur Rahman</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>13. Veterinary Pharmacology &amp; Toxicology</b>								
<b>a.</b>	<i>Dr. Mudasir Sultana</i>	<i>Prof. &amp; Head</i>	-	-	-	-	-	-
<b>b.</b>	<i>Dr. Rajinder Raina</i>	<i>Professor</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. N. K. Pankaj</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>d.</b>	<i>Dr. P K Verma</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>14. Veterinary Physiology &amp; Biochemistry</b>								
<b>a.</b>	<i>Dr. J. Devi</i>	<i>Assoc. Prof.</i>	-	-	-	-	-	-
<b>b.</b>	<i>Dr. A.L. Koul</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-



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<b>c.</b>	<i>Dr. P.S. Mahapatra</i>	<i>Assoc. Prof.</i>	-	-	-	-	-	-
<b>d.</b>	<i>Dr. Jafrin Ara Ahmed</i>	<i>Asstt. Prof</i>	-	-	-	-	-	-
<b>e.</b>	<i>Dr. Pratiksha Raghuwanshi</i>	<i>Asstt. Prof</i>	-	-	-	-	-	-
<b>f.</b>	<i>Dr. Kawardeep Kour</i>	<i>Asstt. Prof</i>	-	-	-	-	-	-
<b>g.</b>	<i>Dr. Manoj Kr. Tripathi</i>	<i>Asstt. Prof</i>	-	-	-	-	-	-
<b>15.</b>	<b>Veterinary Public Health &amp; Epidemiology</b>							
<b>a.</b>	<i>Dr. S. K. Kotwal</i>	<i>Prof.</i>	-	-	-	-	-	-
<b>b.</b>	<i>Dr. M. A. Malik</i>	<i>Assoc. Prof. &amp; Head</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. Maninder Singh</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>d.</b>	<i>Dr. M. Rashid</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>e.</b>	<i>Dr. H.K. Sharma</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-
<b>16.</b>	<b>Veterinary Surgery &amp; Radiology</b>							
<b>a.</b>	<i>Dr. A. K. Gupta</i>	<i>Assoc. Prof. &amp; Head</i>	-	-	-	-	-	-
<b>b.</b>	<i>Dr. M. M. S. Zama</i>	<i>Professor</i>	-	-	-	-	-	-
<b>c.</b>	<i>Dr. Pankaj Gupta</i>	<i>Asstt. Prof.</i>	-	-	-	-	-	-



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## **RESEARCH STATIONS/SUB-STATIONS**



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**RESEARCH AT A GLANCE**  
**(2014-15)**

**G. RESEARCH STATIONS/SUB-STATIONS**

S. No.	Name of the Scientist	Designation	Title of the Experiment (only as Principal Investigator)	Funding Agency	Funding Attracted (Rs. in lakhs)		Duration/ Year of start	Wheth Kharif/ Season
					Total Budget	For the year 2014-15		
<b>1.</b>	<b>Dryland Research Sub-Station, Rakh Dhiansar</b>							
<b>a.</b>	Dr. Anil Kumar Sharma	Sr. Scientist (Agronomy)	1. Development and testing of Agri-horti-silvi-pastoral system models for Kandi region of Jammu	CRIDA (ICAR), Hyderabad	75.45	16.91	long term/ 2005	Kharif &
			2. Tillage and the nutrient management for resource conservation and improving soil quality				long term/ 2000	Kharif &
			3. Evaluation of the most efficient maize-based intercropping system under rainfed conditions of Jammu				long term/ 2001	Kharif &
	NICRA-AICRPDA	1. Demonstration of improved varieties/hybrids of Kharif (Maize) and rabi (Wheat) crops under rainfed condition	CRIDA (ICAR), Hyderabad			long term/ 2012	Kharif &	
		2. Diversification of maize based cropping systems						
			3. Demonstration of maize based intercropping systems					
			4. Demonstration of improved fodder systems					
			5. Demonstration of need based improved implements for various agricultural operations.					
<b>b.</b>	Dr. Vikas Abrol	Jr. Scientist (Soil Science)	1. Permanent Manurial Trial (INM)	CRIDA (ICAR), Hyderabad			long term/ 1995	Kharif &
			2. Alternate Land use/farming systems for carbon sequestration and ecosystem service				long term/ 2011	
<b>c.</b>	Dr. Brinder Singh	Jr. Scientist (Soil Science)	Effect of Integrated plant nutrient supply system on soil health and crop performance in Pearl millet-Gobi Sarson under rainfed areas	CRIDA (ICAR), Hyderabad			long term/ 2013	Kharif &
<b>d.</b>	Dr. Jai Kumar	Jr. Scientist (Agronomy)	Avenues to induce drought tolerance in chickpea (Cicer arietinum) under receding moisture conditions	CRIDA (ICAR), Hyderabad			long term/ 2013	Rab.





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<b>e.</b>	Dr. Vikas Gupta	Jr. Scientist (Agronomy)	Evaluation and standardization of various agronomic measures for Pearl millet crop ( <i>Pennisetum glaucum</i> L.) under low altitude sub-tropical kandi belt of Jammu	University funded			2014	Khair
<b>f.</b>	Dr. A.C.Jha	Jr. Scientist (Plant Pathology)	Establishment of Mushroom demonstration cum training centre at Rakh Dhiansar	University funded			2014	
<b>g.</b>	Dr. Reena	Jr. Scientist (Entomology)	1. Evolution of biopesticidal management strategies for mustard aphid	University funded			2013	Rab.
			2. Assessment of various biorationals against citrus psylla causing greening disease of citrus					Khair
<b>h.</b>	Dr. P.K. Rai	Jr. Scientist (Soil Science)	1. Assessment of Soil fertility and its spatial Variability for Nutrient Management using GIS in various Districts of Jammu Division (Co-PI)	RKVY	76.86	7.86	3years/ 2014	
			2. Impact of different organic mulches on growth yield and soil fertility of Millets-oilseed cropping system under low-altitude sub-tropical kandi belt of Jammu	University funded			2014	
<b>i.</b>	Dr. Sonika Jamwal	Jr. Scientist (Pl. Patho.)	1. Integrated disease and insect management of Aonla in rainfed areas	University funded			2014	Khar.
			2. Management of Collar rot of lentil ( <i>Sclerotium rolfsii</i> ) in rainfed areas	University funded			2013	Rab.
<b>2.</b>	<b>Maize Research Centre, Udhampur</b>							
<b>a.</b>	Dr. R. S. Sudan	Jr. Scientist, Sr. Scale (PBG)	1. Germplasm collection, evaluation, maintenance and its enhancement 2. Development of Maize varieties/hybrids with emphasis on single cross hybrids for improved adequacy and health	DMR , ICAR	37.00	7.64	long term/ 2006	Khar.
<b>b.</b>	Dr. Akhil Verma	Jr. Scientist (Agronomy)	Pursuing Ph.D	-	-	-	-	-
<b>3.</b>	<b>Rainfed Research Sub-Station For Sub-Tropical Fruits, Raya</b>							
<b>a.</b>	Dr.V.B. Singh	Jr. Scientist	Studies on epidemiology, and management of powdery mildew ( <i>Oidium mangiferae</i> ) of mango in rainfed subtropics	University funded	-	-	2013	Rabi
<b>b.</b>	Dr. Neeraj Gupta	Jr. Scientist	1. Standardization of rootstocks for Kinnow under rainfed conditions of Jammu sub-tropics	University funded	-	-	2013	Throughout
			2. Exploitation of under-utilized fruits of kandi areas	DST	15.58	5.64	3 years/	Throughout



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			<i>of Jammu region through value addition for human resource development</i>				2013	
<b>c.</b>	<i>Dr. Rakesh Kumar</i>	<i>Jr. Scientist (Fruit Science)</i>	-	-	-	-	-	-
<b>4.</b>	<b>Regional Horticultural Research Sub-Station, Bhaderwah</b>							
<b>a.</b>	<i>Dr. Mahital Jamwal</i>	<i>Incharge/Jr. Scientist (Fruit Science)</i>	<b>Networking project on Outreach of Technology for Temperate Fruit Crops</b> 1. <i>Productivity enhancement of elite apple cultivars through high density planting and efficient water and pollination management</i> 2. <i>Medium density orcharding for higher for higher almond productivity</i> 3. <i>Plant architectural engineering for higher energy harvest vis-a-vis productivity in apple</i> 4. <i>Multi-location testing of elite walnut genotypes under medium density</i> 5. <i>Multi-location testing of elite apricot genotypes under medium density</i>	<i>ICAR</i>	<i>Networking mode</i>	<i>5.00</i>	<i>Long term/ 2008</i>	
<b>b.</b>	<i>Dr. V.K. Singh</i>	<i>Jr. Scientist (Plant Pathology)</i>	<i>Assessment of losses due to important diseases of pea (Pisumsativum L.) and their management in hills of Doda (J&amp;K)</i>	<i>University funded</i>	-	-	<i>2013</i>	-
<b>c.</b>	<i>Dr. Neeraj Kotwal</i>	<i>Jr. Scientist (Entomology)</i>	<i>Survey and mapping of major pests and diseases of temperate fruits</i>	<i>University funded</i>	-	-	<i>2008</i>	-
<b>d.</b>	<i>Dr. D.K. Chouhan</i>	<i>Jr. Scientist (PBG)</i>	<i>Collection, evaluation and selection of Rajmash for commercial cultivation in Doda District</i>	<i>University funded</i>	-	-	<i>2007</i>	-
<b>e.</b>	<i>Dr. Sanjeev Kumar</i>	<i>Jr. Scientist (Soil Sci.)</i>	<i>Nutritional survey of apple orchards of Doda district with respect to important micronutrients</i>	<i>University funded</i>	-	-	<i>2012</i>	-
<b>f.</b>	<i>Dr. Rohit Sharma</i>	<i>Jr. Scientist (Agronomy)</i>	<i>To work out the organic package of maize + rajmash (1.1) –Peas cropping system under the hilly tracts (Bhaderwah) of Jammu conditions.</i>	-	-	-	<i>2014</i>	-
<b>g.</b>	<i>Dr. Rohit Sharma</i>	<i>Jr. Scientist (Agronomy)</i>	<i>To work out the organic package of maize + rajmash (1.1) –Peas cropping system under the hilly tracts (Bhaderwah) of Jammu conditions.</i>	-	-	-	<i>2014</i>	-
<b>5.</b>	<b>Regional Agricultural Research Station, Rajouri</b>							
<b>a.</b>	<i>Dr. A.K. Sharma</i>	<i>Assoc. Director Research</i>	<i>Seed Production in Agricultural crops “Tribal Sub Plan”</i>	<i>DSR, Mau, ICAR</i>		<i>1.00</i>	<i>2010</i>	<i>Rab.</i>
<b>b.</b>	<i>Dr. Narinder Panotra</i>	<i>Jr. Scientist (Agronomy)</i>	<b>AICRP on Wheat and Barley (Voluntary Centre) Expts:</b>	<i>DWR, Karnal,</i>		<i>0.20</i>	<i>1998-99</i>	<i>Rab.</i>



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			<ol style="list-style-type: none"> <li>1. Advanced varietal trial-timely sown-rainfed wheat</li> <li>2. Advanced varietal trial-timely sown-irrigated wheat</li> <li>3. Advanced varietal trial-timely sown-rainfed barley</li> </ol>	ICAR					
<b>c.</b>	Dr. Deepak Kumar	Jr. Scientist (PI. Pathology)	<b>AICRP on Rice (Voluntary Centre)</b> <b>Expts:</b> 1. Advanced varietal trial-timely sown-irrigated rice	DRR, Hyderabad (ICAR)	-	0.20	2005	Khar	
<b>d.</b>	Dr. Vikas Sharma	Jr. Scientist	<ol style="list-style-type: none"> <li>1. Entrepreneurship opportunities for socio-economic up-liftment of rural farmers through QPM hybrid seed product techniques</li> <li>2. Long term effect of fertilization and manuring on the physic-chemical properties of soil in maize wheat cropping system</li> </ol>	DST  Univ. Funded	17.20	44.28	2013-14  2004	-	
<b>e.</b>	Dr. Rohit Sharma	Technical Officer, AMFU	Integrated Agromet Advisory Services for mid to high altitude intermediate zone of J&K (Gramin Krishi Mausam Sewa)	Ministry of Earth Science, , New Delhi		8.34	2008	Kharif &	
<b>f.</b>	Dr. Saurav Gupta	Jr. Scientist (Entomology)	-	-	-	-	-	-	
<b>6.</b>	<b>Maize Breeding Research Sub-Station, Poonch</b>								
<b>a.</b>	Dr. Parveen Singh	I/c Scientist /Jr. Scientist (PBG)	Development of Hybrids/Composites/Synthetics in maize suitable for intermediate hill (Rainfed) zone.	University funded	-	-	Long term	Khar.	
			Survey, Collection, Conservation, Evaluation and Utilization of elite maize germplasm suitable under intermediate hill (rainfed) zone.	University funded	-	-	Long term	Khar.	
			Genetic amelioration of speciality corns viz., pop corn, sweet corn and baby corn suitable for intermediate hill region.	University funded	-	-	Long term	Khar.	
			Seed production in agricultural crops: Tribal Seed Project. – As Course Coordinator	ICAR	1 .00/season	1 .00	Long term /2012	Rab.	
			Evaluation of Private sector maize hybrids.	Industrial funding	11.80	5.72	Long term /2012	Khar.	
			Evaluation of AICRP trials on maize hybrid/composites	DMR, ICAR	0.60 /kharif trials	0.60	Long term/2012	Khar.	