

Name : **Prof. Sushil Sharma**

Designation : Professor & Head

Contact Address : Division of Agricultural Engineering
Faculty of Agriculture, SKUAST-J
Main Campus, Chatha, Jammu – 18009 (J & K)

Professional Experience : 26+years

Awards/honours/Scholarships/fellowships : Award for presentation of research paper (1998) International Symposium on Sustainable Agri. In Hill Areas (ISSAHA)HPKVV, Palampur.

Area of Specialization : Farm Machinery & Power Engineering

Research Interests : Farm Machinery Design & Development,

Total no. of publications (referred journal) : 32

Selected publications (Best Five) : 1. **Sharma Sushil** and CJS Pannu (2014) Development and evaluation of seed metering system for water soaked cotton seeds. *Agricultural Mechanization in Asia, Africa and Latin America*, **45(1):**41-47
2. **Sharma Sushil** and CJS Pannu (2013) Development and evaluation of a two-row cotton planter with fertilizer applicator. *Journal of Agricultural Engineering*. **50(3):**1-8
3. Lohan S K and **Sushil Sharma** (2012) Present status of renewable energy resources in Jammu and Kashmir state of India. *Renewable and Sustainable Energy Reviews*. Journal published by Elsevier **16(1):** 3251– 3258.
4. **Sharma Sushil** (2010) Status of farm power availability in the selected villages of Udhampur District (J&K State). *J. Dryland Agric. Res. & Dev.* **25(1):**70-73
5. **Sharma Sushil** (2009) Status of farm power availability in the selected villages of Jammu District (J&K State). *Agricultural Mechanization in Asia, Africa and Latin America* **40(10):**41-45.

No. of Books/Manuals/Monographs : 07

Research project as Principal Invstigator

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Title	Funding Agency	Period		Status (On going/ Completed)
		From	To	
Establishment of Testing Centre for Farm Machinery & Equipments at SKUAST-J	RKVY	April 2013	--	Ongoing
Establishment of Micro Irrigation Systems at various constituent establishments of SKUAST-Jammu under On Farm Water Management (43.96)	NFSM	Jan 2015	--	ongoing
Study Relating to formulating long term mechanization strategy for each Agro-climatic Zone/State	DOAC	2002	2003	
Training and Demonstration of Power Tillers for Mechanizing Horticultural Operations	NHB	2002	2007	

FLD on Pantnagar Zero Till Ferti- cum-Seed Drill and PAU/DWR Raised Bed Planter.	DOAC/NATP (Rice – Wheat Mechanization)	2003	2007	
Testing & Evaluation of experimental plot machinery (Mechanization of Experimental Plots)	NATP(MM)	Jan, 2004	Dec. 2004	

Other achievements if any (please specify)

- **Nodal Officer**, University Vehicle Pool
- **Academic I/c of Faculty**, Monitoring and Execution of Academic Activities of Faculty of Agriculture.
- **Chairperson** of Indian Society of Agricultural Engineering- J&K Chapter

Name : **Dr. J.P. Singh**



Designation : Associate Professor

Contact Address : Division of Agricultural Engineering
Faculty of Agriculture, SKUAST-J
Main Campus, Chatha, Jammu – 18009 (J & K)

E mail : jai12123@rediffmail.com

Mobile : 09419174460

Professional Experience : 16 years

Awards/honours/Scholarships/fellowships
1. University fellowship during M.Tech.
2. The Chaudhary Devi Lal outstanding award for Joint efforts of AICRPDA team

Area of Specialization : Farm Machinery and Power Engineering

Research Interest :
➤ Design and Development of Agricultural Tools/Implements
➤ Conservation Tillage Technology
➤ Subsoil Health Management

Total no. of publications (referred journal) : 15

Selected publications (Best Five) :
1. **Singh, J.P.;** Thakur, T.C.; and Srivastava, R.K. (2006). Laboratory Studies on Ammonia (Urea) Treatment of Baled Paddy Straw for Utilization as Line Stock Feed. *Journal of Agricultural Engineering*, Vol 43(4) pp59-64.
2. **Singh, J.P.;** Srivastava R.K.; Mann, S. and Hussain, S. Z. (2007). Effect of Moisture Content and Water Temperature on Oil Recovery in Oil Expeller. *Research on Cops*, Vol. 8 (1): 252-254.
3. **Singh, J.P.;** Abrol, V.; and Hussain, S. Z. (2009). Impact of Tillage and Nutrient Management in Maize-Wheat Crop Rotation under Dryland Cultivation. *Agricultural Mechanization in Asia, Africa and Latin America, (AMA Japan)*., Vol. 40 No. 1 pp 60-64.
4. **Singh, J.P.;** Thakur, T.C.; Sharma, S. and Srivastava R.K. (2011). Effect of Manner of Stacking on Changes in Nutritional Value of Treated Baled Paddy Straw by Dripping Technique. *Agricultural Mechanization in Asia, Africa and Latin America, (AMA Japan)*. 42(4): 84-87.
5. **Singh, J. P.;** Abrol V. and Singh, M. (2013). Energy Management and Cost of Cultivation of Wheat Crop in Dryland Condition. *International Journal of Agricultural Engineering*, 6 (2) , 2013, pp 449-452.

No. of Books/Manuals/Monographs : 02 (Manual)

Research project as PI/Nodal Officer :

Title	Funding Agency	Period		Status (Ongoing/Completed)
		From	To	
AICRPDA project "Tillage and nutrient management of resource conservation and improving soil quality"	ICAR	2004	2012	Completed
AICRPDA project "Efficient and economic use of harvested rain water for sustainable crop production"	ICAR	2004	2006	Completed

Other achievements if any (please specify)

Associated with other activities assigned by the university time to time

Name : **Dr. Rajesh Kumar Srivastava**



Designation : Associate Professor

Contact Address : Division of Agricultural Engineering
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Main Campus, Chatha, Jammu – 18009 (J & K)

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Mobile : 09419795823

Professional Experience : 16 years

Awards/honours/Scholarships/fellowships

1. ICAR fellowship during B.Tech.
2. GATE fellowship during M.Tech.
3. INSA Visiting Scientist Fellowship 2014-2015
4. Appreciation letter from Hon'ble Vice-Chancellor, SKUAST-J

Area of Specialization : Land and Water Management Engineering

Research Interest :

- Engineering interventions for Watershed Management
- Water harvesting
- GIS/RS for land and water management

Total no. of publications (referred journal) : **21**

Selected publications(Best Five) :

1. Kour, Ravinder; **Srivastava, R. K.**; Patne, Rajeev; Mishra, Kamal and D. Datta (2004). Integration of Linear Programming and Spatial Decision Support System for Proposing and Optimizing Land Use Plan and Assessing its Impact for Soil conservation : A Case Study of Nagwan Watershed Hazaribagh Jharkhand, India. International Journal of GIS Vol 18(1): 73-98
2. **Srivastava, R. K.**; Kumar, Vinod; Raina, A.K. and Singh, J.P. (2004). Conjunctive Use of Surface and Subsurface Water Resources for Optimal Crop Production : A Case Study. Journal of Applied Hydrology. Vol. XVII, No. 2&3, pp 6-14
3. **Srivastava, R.K.** and Shukla, R.M. (2009) Probabilistic approach of rainfall data for irrigation planning. Research on crops, Vol. 10 No. 2, pp. 448-452
4. **Srivastava, R.K.**; Sharma H.C. and Raina, A.K. (2010). Soil and water conservation measures for watershed management using Remote Sensing and GIS. Journal of Soil and Water Conservation 9(3): 8-13.
5. **Srivastava, R.K.** and Sharma H.C. (2012) Prioritization of mini watersheds in Badri Gad watershed using GIS technique. Journal of Soil and Water Conservation 11(3): 25-33

No. of Books/Manuals/Monograms : 01 (Manual)

Research project as PI/Nodal Officer : **Nil**

Other achievements if any (please specify) : Associated other activities assigned by the university time to time

Name : **Sushmita M. Dadhich**



Designation : Assistant Professor

Contact Address : Division of Agricultural Engineering ,
Faculty of Agriculture, SKUAST Jammu, Chatha – 180 009, Jammu & Kashmir

E-mail : sushmita.iitd@gmail.com

Mobile : 9419193794

Professional Experience : 6+ years

Awards/honours/scholarships /fellowships : Visiting faculty fellowship under DST special Package for J&K Universities
,MHRD fellowship during M. Tech.

Area of Specialization : Water Resource Management

Research Interests : Integrated irrigation water management, Optimization technics and numerical
modelling in water resource management,

Total no. of Publications (referred journals) : 07

- Select Publications (Best Five) :
1. Garg, N.K and **Dadhich, S.M.** (2014) “A proposed method to determine yield response factors of different crops under deficit irrigation using inverse formulation approach” Agricultural Water Management, Vol. 137, pp 68-74
 2. Garg, N.K and **Dadhich, S.M.** (2014) “Integrated non -linear model for optimal cropping pattern and irrigation scheduling under deficit irrigation” Agricultural Water Management, Vol. 140, pp 1-13
 3. Srivastava, R. K., Sharma, H.C., Singh, J.P., **Dadhich, S.M.** and Dadhich, H. (2014), “Estimation of runoff of Western Himalayan watershed using remote sensing and geographical information system”, Journal of Soil and Water Conservation, Vol. 13 (2), pp 127-133
 4. Singh, M., Khushu, M.K., Gupta,V., Kumar, J., Salgotra, R.K. and **Dadhich,S.M.** (2013) “Efficient crop planning in rainfed areas of sub tropical zone of J&K through weather based forecasting” Journal of Agro meteorology, Vol. 15, pp 170-173
 5. **Dadhich,S.M.**, R.P. Singh and Mahar, P.S. (2012) “Saving Time in Sprinkler Irrigation Application through Cyclic Operation: A Theoretical Approach” Irrigation and Drainage, Vol. 61, pp 631-635

No. of books/Manuals/Monographs : Nil

	Title	Funding Agency	Period From To		Status (on going/Completed)
Research Projects as PI/Nodal officer	Development and Evaluation of Automatic Timer Based Variable Speed Device for Sprinkler System	DST	2013	2016	Completed

Other achievements if any (Please specify) : Nil