

Profile of Dr. Rajesh Kumar Singh

	<p>Name: Dr. Rajesh Kumar Singh Designation: Pr. Scientist (SWCE) and Head, Hydrology & Engineering division Date of Birth: 07.01.1964 Area of Specialization:</p> <ol style="list-style-type: none"> 1. Watershed Development and Management: watershed mapping, identification and prioritization of critical areas, Drainage line treatment, slope stabilization: biological and engineering measures, installation of gauging station and monitoring of watershed. Completed 4 projects on watershed as PI / CoPI. 2. Surface Hydrology: Runoff and sediment yield modelling 3. Integrated Farming System: Resource Conserving Technologies, water harvesting, multiple use of water, micro-irrigation. 4. Protected Agriculture: Greenhouse, shed net, mulching, drip fertigation <p>Email ID: Rajesh.Singh@icar.gov.in ; rksingh_ars@yahoo.com ERP ID: 010901 Mobile: +91-9436731762; Phone: 0135-2757213</p>
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Detail Profile

Education

Degree	Year of Passing	University/Institution
Ph.D.	2010	Indian institute of Technology Kharagpur, W.B.
M. Tech.	1996	GB Pant University of Agriculture and Technology, Pantnagar, US Nagar, Uttarakhand
B. Tech.	1985	GB Pant University of Agriculture and Technology, Pantnagar, US Nagar, Uttarakhand

Professional History

Position	Year		Organization
Head, Hydrol. & Engg. division	26 th June, 2023	Cont.	ICAR- Indian Institute of Soil & Water Conservation, Dehradun
Project Coordinator	16 th Aug, 2016	27 th Jan., 2023	ICAR- Central Institute of Post-Harvest Engineering and Technology, Ludhiana
Director (A)	03 rd July, 2018	11 th Oct., 2020	ICAR- Central Institute of Post-Harvest Engineering and Technology, Ludhiana
Head, Land & Water Management Div.	28 th Feb, 2016	15 th Aug., 2016	ICAR-ICAR Research Complex for NEH Region, Patna
Head, Agricultural Engineering Div.	27 th Sept., 2011	27 th Feb. 2016	ICAR Research Complex for NEH Region, Umiam, Meghalaya
Principal Scientist	24 th Nov. 2010	Cont.	ICAR Research Complex for NEH Region, Umiam, Meghalaya
Sr. Scientist	01 st July, 2006	23 rd Nov., 2010	ICAR Research Complex for NEH Region, Umiam, Meghalaya
Scientist (SWCE)	17 th April, 2000	30 th Jun., 2006	ICAR Research Complex for NEH Region, Umiam, Meghalaya
Scientist (SWCE)	13 th Nov., 1995	16 th April, 2000	ICAR Research Complex for NEH Region, Sikkim Centre, Tadong

Publications (summary)

S. No.	Publication	Number
1	Research Publications	58
2	Google Scholar Index: Citations	643
	h-index	14
	i10-index	17
3	National Award: ICAR Vasandrao Naik Award, NERDC, GoI award, Institution of Engineers best Agril. Engineer award	03
4	Patent granted (Co-inventor)	04
5	Books (authored co-author)	02
6	Books (Edited)	03
7	Book Chapters	12
8	Technical bulletin	08
9	Extension Folders/leaf lets	5
10	Symposia/Workshop/Seminar Papers	40
11	Popular article	08
12	Professional Trainings	06
13	Externally funded project handled (PI/CoPI)	06
14	HRD and Capacity/skill development activities	11
15	Lecture delivered in Winter/Summer school and short duration sponsored training programme	70
16	Seminars/Symposia/Workshops/Summer or Winter School/ Organized	22
17	National assignments: Chairman and member in BIS Committees, member in FSSAI Advisory Committee, Member of Governing Body of NABI Mohali, Expert Member for BPGS, Assam University Silchar (6 years), Expert member of BPGS Nagaland university (3 years), Expert Member for Department of Science & Technology, Member of State Level Executive Committee Sub-Mission on Agricultural Mechanization, Govt. of Assam	8
18	International Assignments (AARDO and CSAM of UNESCAP)	2
19	Positions held in National Professional Society: Secretary, Indian Association of Hill Farming; Consultant for ISSWC, New delhi)	2
20	Member of Professional Societies	8

Most important 5 Publications

1. **Singh, R.K.**, Panda, R.K., Satapathy, K.K., Ngachan, S.V. 2012. Runoff and sediment yield modelling for a treated hilly watershed in eastern Himalaya using the Water Erosion Prediction Project Model. *Water Resources Management*, 26 (3): 643 – 665.
2. **Singh, R.K.**, Panda, R.K., Satapathy, K.K., Ngachan, S.V. 2011. Simulation of runoff and sediment yield from a hilly watershed in the eastern Himalaya, India using the WEPP model. *J. of Hydrology*, 405(3–4): 261 – 276.
3. Narendra Kumar Lenkaa, K.K. Satapathy, Rattan Lal, **R.K. Singh**, N.A.K. Singh, P.K. Agrawal, P. Choudhury, A. Rathore. 2017. Weed strip management for minimizing soil erosion and enhancing productivity in the sloping lands of north-eastern India. *Soil & Tillage Research*, 170: 104 – 113.
4. Anup Das, **R.K. Singh**, G.I. Ramkrushna, Jayanta Layek, A.K. Tripathi, S.V. Ngachan, B.U. Choudhury, D.P. Patel, D.J. Rajkhowa, Debasish Chakraborty and P.K. Ghosh. 2017. Roof water harvesting in hills – innovations for farm diversification and livelihood improvement. *Current Science*, 113 (2): 292 – 298.
5. Singh, A, Syndor, A., Deka, B.C. **Singh, R.K.**, Patel, R.K. 2012. The effect of micro climate inside low tunnels on off-season production of strawberry. *Scientia Horticulturae*, 144: 36 – 41.

Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of Award
1.	ICAR-Vasantrao Naik Award for Research Application in Dry Land Farming Systems for outstanding contributions in the field of Alternate Land Use Models	Indian Council of Agricultural Research, New Delhi	2007
2.	NRDC National Societal Innovation Award for the Year-2018 for the invention entitled "Complete Technology Package of Beehive Charcoal Briquettes for North East Hilly Region	National Research Development Corporation (NRDC), an Enterprise of DSIR, Ministry of Science and Technology, Govt. of India	2018
3.	Fellow of Institution of Engineers (India)	Institution of Engineers (India), Kolkata	2015
4.	Distinguished Scientist award 2017 for outstanding contributions in Agricultural Engineering	Registered society named "Society of Upliftment of Rural Economy", Uttar Pradesh	2018
5.	Eminent Engineer award in field of Agricultural Engineering	Institution of Engineers (India), Kolkata	2015
6.	Eminent Scientist Award	A National registered Institution "Royal Association of Science-led Socio-cultural Advancement", New Delhi.	2019

Research Projects as PI (Concluded)

1. Development of Model Watersheds in North East Region under National Watershed Development Project for Rained Areas (**Funded by Mostry of Ag. & Farmers' Welfare, GoI**)
2. Integrated Agromet Advisory Services, subsequently renamed as Gramin Krishi Mausam Sewa (**Funded by Ministry of Earth Sciences, GoI**)
3. Forecasting Agricultural Output using Space, Agrometeorology and Land based observations (FASAL) (**Funded by Ministry of Earth Sciences, GoI**).
4. AICRP on Plastics Engineering and Technology
5. Development of soil erosion productivity impact model for north east hill region (**Funded by Institute**)
6. Efficient utilization of water harvesting structures through hi-tech irrigation for high-valued crops (**Funded by Institute**)
7. Flagship Programme on Jhum Improvement (**Funded by Institute**)
8. Design and development of protective structures for high valued crops to reduce damage from hail and frost (**Funded under NICRA**)