


## Profile of Dr D.V. Singh

	<p><b>Name:</b> Dr Dharam Vir Singh  <b>Designation:</b> Principal Scientist (Soils)  <b>Date of Birth:</b> 03.12.1970  <b>Area of Specialization:</b> Soil health management for developing sustainable agriculture in different agro-ecological regions. Integrated Watershed Management. Watershed Planning and Evaluation. Soil Erosion Appraisal. Landslide characterization and management. Community water resource development and management. Soil working techniques for tree based system. Inter watershed water transfer. Ground water recharge, monitoring and assessment. Training and Consultancy in the field of soil and water conservation and watershed management.  <b>Email ID:</b> <a href="mailto:Dharam.singh2@icar.gov.in">Dharam.singh2@icar.gov.in</a> ; <a href="mailto:dvs_icar@yahoo.co.in">dvs_icar@yahoo.co.in</a>  <b>ERP ID:</b> 007897  <b>Mobile:</b> +91-9897752659; <b>Phone:</b> 0135-2757210; <b>Fax:</b>0135-2754213</p>
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### Detail Profile

#### Education

Degree	Year of Passing	University/Institution
Ph.D. (Soil Sci. & Agril chemistry)	1997	Indian Agricultural Research Institute, New Delhi
M.Sc. Ag. (Soil Science)	1993	G.B. Pant University of Agriculture and Technology, Pantnagar
B.Sc. Ag. & A.H.	1991	G.B. Pant University of Agriculture and Technology, Pantnagar

#### Professional History

Position	Year	Organization
Actg Head HRD and SS and Principal Scientist	01-07-2021 till date	ICAR- Indian Institute of Soil & Water Conservation, Dehradun
Principal Scientist	16-04-2012 to 30-06-2021	ICAR- Indian Institute of Soil & Water Conservation, Dehradun
Principal Scientist	31-01-2012 to 15-04-2012	ICAR- Indian Institute of Soil & Water Conservation, Research Centre, Udhagamandalam
Senior Scientist	31-01-2006 to 30-01-2012	ICAR- Indian Institute of Soil & Water Conservation, Research Centre, Udhagamandalam
Scientist (Sr. scale)	31-01-2001 to 30-01-2006	ICAR- Indian Institute of Soil & Water Conservation, Research Centre, Udhagamandalam
Scientist	June-1997 to 30-01-2001	ICAR- Indian Institute of Soil & Water Conservation, Research Centre, Udhagamandalam
Scientist	31-01-97 to May-2001	ICAR- Indian Institute of Soil & Water Conservation, Dehradun

### Publications (summary)

S. No.	Publication	Number
1	Research Publications	
	National	17
	International	3
2	Books	
	Authored	1
	Edited	7
3	Book Chapters	14
4	Invited / Lead Papers	4
5	Radio talks / TV program	5
6	Technical/Research Reports/ Compilation / Bulletins	35
7	Extension Folders/leaf lets	17
8	Symposia/Workshop/Seminar Papers	23
9	Popular article	6
10	Professional Trainings attended	10
11	Consultancy project handled	10
12	No. of training organized	
	Short duration sponsored training (Trained : 2400)	120
	Soil Conservation Regular Training Course: (5 ½ or 4 months duration) (Trained: 152)	9
	B.Tech students Field Practical training- one to two months (No Students: 313)	10
13	Seminars/Symposia/Workshops/Summer or Winter School/ Organized	14
14	External projects handled	7

### Most important 5 Publications

**Singh, D.V.** and Rathore, 2003. Soil strength and its relation with exchangeable cations, organic carbon and finer soil fractions. *Indian J. Agril. Research*, 37(1): 17-22

**Singh, D.V.**, Sikka, A.K., Madhu, M., Chand Subhash and Henry, C. 2004. Assessment of Soil Conservation Efficiencies of Selected Medicinal and Aromatic Plants in Nilgiris. *The Indian Forester*, 130(12): 1444-1450

**Singh, D.V.**, Selvi V., Sikka A.K., Muralidharan P. and Ragupathy, R. 2007. Characterization of Coastal Belt of Peninsular India and Researchable Issues for Resource Management. *Int. J. Tropical Agri.*, 25(3): 529-543

Sikka, A.K., **Singh, D.V.** and Samra, J.S. 2001. Characteristic features, zonation and problems of Western Ghats for natural resource management. *Indian J. Soil Cons.*, 29(2): 107-117

Selvi, V., **Singh, D.V.** and Sikka, A.K. 2006. Utilities and limitations of remote sensing and GIS applications in micro watershed planning: The experience in the Nilgiris. *Indian J. Soil Cons.*, 34(2): 123-128

### Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1.	<b>Lal Bahadur Shastri Young Scientist Award</b> (Biennium 2003-04) for outstanding contribution in the field of Integrated Watershed Management	ICAR	2005
2.	<b>Dr Norman E. Borlaug International Agricultural Science &amp; Technology Fellowship</b> 2008 in the field of Water Management	United States Department of Agriculture, USA	2008
3.	<b>Vasant Rao Naik Award</b> for Outstanding Research Applications in Dryland Farming Systems-2012 for outstanding contributions in the field of Dryland Farming	ICAR	2013

### Research Projects as PI (On-going)

- Improvisation of soil working techniques for enhancing tree establishment under rainfed conditions of North-Western Himalayas
- Ecological Impacts of Soil Conservation and Afforestation Works on Degraded Lands in NW Himalayan Region

### Research Projects as PI (Concluded)

- Soil erosion under prominent medicinal and aromatic plants in the Nilgiris.
- Land use planning for management of agricultural resources
- Soil loss tolerance limits for different agro-ecological regions of India.
- Erosion productivity relationships for evaluating vulnerability and resiliency of soils in different agro-ecological regions
- Soil health productivity and conservation under different nutrients management systems under export oriented vegetable crops in the Nilgiris.
- Landslide Characterization and Management Plan for the Nilgiris
- Integrated management of soil health for sustainable production in the Nilgiris
- Iduhatti Model micro watershed development in the Nilgiris.
- Lithic Mulching for Resource Conservation and Crop Productivity Enhancement in Gravelly Soil Regions of India
- Role of Soil and Water Conservation Technologies for Climate Resilient Agriculture in Himalayan Ecosystem – An Action Research

### Other important responsibility

- Actg. Head, Division of HRD and SS at Institute's HQ from July 2021 to till date
- Principal Investigator for Implementation of SCSP program at Institute HQ.
- Expert member of Project Expert Group of ICFRE, Dehradun
- RAC member of the Forest Research Institute, Dehradun
- Member of the High Powered Committee of the Hon'ble Supreme Court on Char Dham Priyojana in Uttarakhand
- Member of Expert Committee constituted by the Hon'ble National Green Tribunal for Muck Disposal and Management in Tapovan -Vishnugad Hydroelectric Project, National Thermal Power Corporation Ltd., Uttarakhand State.
- Nodal Officer from Institute for PM's Task Force Committee (PMTFC) for Agro Climatic Zone-1
- Nodal Officer for preparation of SFC document of the Institute for the next five years (2021-2026)
- Nodal Officer for Innovation Excellence Indicators of R&D output and activities of ICAR-IISWC for a functional framework being designed by the Office of the Principal Scientific Adviser (PSA) to the Government of India as mandated by the PMO.
- Expert Member in Springshed Management Consortium in Uttarakhand.
- Nodal officer for collaborative work with Eco-Task Force, Dehradun
- Member of Expert Committee constituted for construction of *Trapkund* in Gaurikund, Rudraprayag district, Uttarakhand State.
- Nodal Officer for partnership with academic/research institute for achieving India's voluntary targets of land restoration and achieving Land Degradation Neutrality by 2030.

### Consultancies

Title	Year	Amount (Rs)
1. Bench Mark Survey of KG-4 Watershed in the Nilgiris.	1998	1,79,740/-
2. Preparation of model watershed plan for Kg-3 Watershed, the Nilgiris (T.N.).	1999	1,98,800/-
3. Advice on treatment measures on landslide affected areas, monitoring of activities in KG-3 model watershed.	1999-2002	6,00,000/-
4. Watershed management, soil conservation and landslide works	2001-2003	5,00,000/-
5. Preparation of micro watershed plan for 30 micro watersheds of AHADS in Kerala	2001-2002	48,05,596/-
6. Evaluation study of Western Ghats Development Programme in Goa	2002-2003	6,26,000/-
7. Evaluation study on rehabilitation of village ponds in Ramanad, TN	2003-2004	6,75,000/-
8. Impact evaluation of Ayyarkunam and Meverakal watersheds in Kerala under NWDPR	2005-2006	2,32,000/-
9. Impact evaluation of 10 macro watersheds implemented under HADP (Phase-I 2004-08) in the Nilgiris.	2010-2012	3,00,000/-
10. Impact evaluation study of RVP watersheds in lower Bhawani catchment in Tamil Nadu.	2010-2012	9,42,000/-