


## Profile of Dr Gopal Kumar

	<p><b>Name:</b> Dr Gopal Kumar <b>Designation:</b> Principal Scientist (Soil Physics Soil and Water Conservation) <b>Date of Birth:</b> 02-01-1975 <b>Area of Specialization:</b> Soil and Watershed Conservation for sustainable production, Watershed Management, Hydrology, Climate change adaptations, Spatial science Tools <b>Email ID:</b> <a href="mailto:gkcswcrti@gmail.com">gkcswcrti@gmail.com</a>, gopal.kumar@icar.gov.in <b>ERP ID:</b> 019544 <b>Mobile:</b> +91-9409545159; <b>Phone:</b> 0135-2750846 ; <b>Fax:</b>0135-2754213</p>
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### Education

Degree	Year of Passing	University/Institution
Ph.D. (Agril. Physics)	2006	Indian Agricultural Research Institute, New Delhi
M.Sc. (Agril. Physics)	2003	Indian Agricultural Research Institute, New Delhi
B.Sc. (Agriculture.)	2001	Rajendra Agricultural University, Pusa, Bihar

### Professional History

Position	Year	Organization
Principal Scientist	30.09.2018 to till date	ICAR- Indian Institute of Soil & Water Conservation, Dehradun
Senior Scientist	30-09- 2015 to 04-07- 2017	ICAR- NRC for Litchi
Senior Scientist	05-07- 2017 29-09- 2018	ICAR- Indian Institute of Soil & Water Conservation, Dehradun
Scientist	04-04- 2008 to 29-09- 2015	ICAR- Indian Institute of Soil & Water Conservation, RC-Vasad
Scientist	05-06-2006 to 03-04- 2008	ICAR- Indian Institute of Soil & Water Conservation, RC-Udhagamandalam

### Publications (summary)

S. No.	Publication	Number
1	Research Publications	57
	National	40
	International	17
2	Books	14
	Authored	8
	Edited	6
3	Book Chapters	19
4	Lead Papers	3
5	Radio talks	0
6	Technical/Research Reports/ Compilation /	7

	Bulletins	
7	Training Manual	8
8	Extension Folders/leaf lets	8
9	Symposia/Workshop/Seminar Papers	19
10	Popular article	21
11	Professional Trainings attended	6
12	Consultancy project handled (Leader in 0 & Associated in 6)	6
13	No. of training organized	12
	Short duration sponsored training (Trained : 10)	10
	Soil Conservation Regular Training Course: (5 ½ or 4 months duration) (Trained: 0)	0
	B.Tech students Field Practical training- one to two months (No Students: 15)	2
14	Seminars/Symposia/Workshops/Summer or Winter School/ Organized	6
15	External projects handled	5

### Most important 5 Publications

1. **Gopal Kumar**, D.R. Sena, B.K. Rao, R.S. Kurothe, Nyonand Yadav, P.R. Bhatnagar, Uday Mandal, 2020 Empirical evaluation of sand filters to evolve practical designs for artificial recharge through dry wells, Journal of Hydrology, Volume 593, <https://doi.org/10.1016/j.jhydrol.2020.125839>.
2. **Gopal Kumar**, Dipaka Ranjan Sena, Sridhar Patra, Deepak Singh, Ravi Sankar Kurothe, Prashant Kumar Mishra, Nyonand, 2020. Design and development of a low-cost automatic runoff sampler for time distributed sampling, Journal of Hydrology, Volume 592, <https://doi.org/10.1016/j.jhydrol.2020.125845>.
3. Kurothe, R.S., **Kumar, G.**, Singh, R., Singh, H. B., Tiwari, S. P., Vishwakarma, A. K., Sena, D. R. and Pande, V. C. 2014\_Effect of tillage and cropping systems on runoff, soil loss and crop yields under semiarid rainfed agriculture in India, *Soil and Tillage Research* 140:126-134
4. **Kumar, G.**, Kurothe, R. S., Brajendra, Vishwakarma, A. K., Rao, B. K., Pande, V. C. 2014 Effect of farm yard manure and fertilizer application on crop yield, runoff, soil erosion and soil organic carbon under rain fed pearl millet, *Indian Journal of Agricultural Sciences* 84 (7): 816-822
5. **Kumar, G.**, Sena, D. R., Kurothe, R. S., Pande, V. C., Rao, B. K., Vishwakarma, A. K. V., Bagdi, G. L. And Mishra, P. K. 2014 Watershed impact evaluation using remote sensing, *Current Science* 106 (10):1369-1378

### Google Scholar link

<https://scholar.google.co.in/citations?user=ekj6lr0AAAAJ&hl=en>

### ResearchGate link

### Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1.	<b>ICAR Outstanding team research award -1</b>	ICAR	2014
2	<b>National Society/Association award: 9</b> <ul style="list-style-type: none"> <li>• Best PhD Thesis Award by Association of Agrometeorologists-1 (2008)</li> <li>• Fellow of CHAI-1 (2018)</li> <li>• Outstanding Scientist by SSN-1 (2018)</li> <li>• Young Soil Conservationists-1 (2014)</li> <li>• IASWC Gold Medal -1 (2019)</li> <li>• Best Research Paper Published in IJSC-3 (2014-18)</li> </ul>	Association of Agrometeorologist, Anand-1, IASWC-5, CHAI-1, Society for Science and Nature (SSN)-1	2008-2018
3	<b>Best paper/ Poster award in national and international conferences: 15</b> <ul style="list-style-type: none"> <li>• National conference-oral Presentation: 8</li> <li>• International Conference-Oral Presentation: 3</li> <li>• National Conference-Poster Presentation: 4</li> </ul>	IASWC, ISHF, SSN, ISER, BCKV	2008-2019

### Research Projects:

**Total Project handled as PI and Co-PI : 32**

**Research Projects as PI (On-going): 3**

SN	Project Title	Period
	<b>Institute Funded Project-1</b>	<b>2019-20-</b>
1	Carbon sequestration potential of prevailing and recommended land uses in reclaimed degraded ecosystems under different agro-ecological regions of India.	
	<b>External funded project-2</b>	
1	Developing vegetation-based technologies for dust and erosion control along the National Highway	2021-
2	Task Force on Himalayan Agriculture-NMSHE (2 <sup>nd</sup> Phase)	2021-

### Research Projects as PI (Concluded):

	<b>Institute Funded</b>	<b>Period</b>
1	Edaphic factor based Identification potential litchi area in India	2015-2019
2	Integrated Soil health management for quality Litchi production-Leader	2016-2017
3	Delineation and Characterization of Mahi Ravines using Remote Sensing and GIS in terms of Resource Potential Planning	2008-13
4	Design and Development of Site Specific Artificial Groundwater Recharge Filters	2008-14
5	Erosion –productivity relationships for evaluating vulnerability and	2008-15

	resiliency of soils under different agro-climatic region	
6	Design development and testing of a simple and low-cost continuous mechanical sediment yield sampler	2008-11
	<b>External Funded project</b>	
1	Improved Livelihood through Good Practices in Agricultural Production system (Farmers FIRST programme)- PI	2016-2017
2	Farmer's participatory action research project- Vegetative barrier	2008-11
3	NPCC Project at Research Centre- Vasad	2011-CCPI
4	NICRA project at Research Centre- Vasad	2015-CCPI

### Other important responsibility

1. OIC -Central Lab, ICAR-IISWC Dehradun till Aug 2021.
2. OIC- Building and Maintenance Section, ICAR-IISWC Dehradun
3. OIC- Climate Change and Modeling Lab, ICAR-IISWC Dehradun
4. Member Secretary RAC- ICAR-IISWC Dehradun (2018- till date)
5. Nodal Officer International Yoga day(2018-2021) ICAR-IISWC Dehradun
6. Chef De Mission-(2015-2020), ICAR-IISWC Dehradun, and ICAR-NRC Litchi
7. OIC cum Chairman- Climate Change Study (CCS)- ICAR NRC litchi
8. Chairman Spot Purchase Committee (SPC), ICAR NRC for Litchi
9. OIC Soil Laboratory- ICAR NRC for Litchi
10. Chairman- Technical Evaluation Committee (TEC) ICAR NRC for Litchi
11. Co- Chairman-Store and purchase committee (SPAC) ICAR NRC for Litchi
12. Co-Chairman- Works Committee (WC) ICAR NRC for Litchi
13. Co-Chairman Sports and Recreation Committee (SRC);
14. In-charge of IT & Computer cell (2011-2015)- ICAR-IISWC RC- Vasad
15. In-charge Soil laboratory (2008-2015)- ICAR-IISWC RC- Vasad
16. In-charge GIS lab (2010-2015)- ICAR-IISWC RC- Vasad
17. Treasurer Indian Association of Soil Conservation, Dehradun
18. Editor, Indian Journal of Soil Conservation

### Consultancies

#### Worked as a team member in six consultancies

1. Catchment monitoring: SSSNL Gujarat
2. Runoff and Soil loss Dept. of Forest, Govt. of Maharashtra;
3. Impact evaluation of NWDPR watershed Samlod –NRAA
4. Impact evaluation of NWDPR watershed Nani Vavdi-NRAA
5. Midterm evaluation of six clusters of the watershed -NHWD.
6. Macro Planning for Ravine Reclamation