


Profile of Dr Gopal Kumar

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

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 / Bulletins	7
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

- 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>.
- 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>.
- 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
- Rao, B. K.**, Singh, G., Kumar, G., Pande, V. C., Lenka N. K., Dinesh D., Mishra P.K., Singh, A.K. 2022 Effect of selected bioengineering measures on runoff soil loss and cotton (*Gossypium hirsutum* L.) productivity in the semiarid regions of westem India, *Industrial Crops and Products*, 184: 115029. <https://doi.org/10.1016/j.indcrop.2022.115029>

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

<https://www.researchgate.net/profile/Gopal-Kumar-21>

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

Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1.	ICAR Outstanding team research award -1	ICAR	2014
2	National Society/Association award: 9 <ul style="list-style-type: none"> • Best PhD Thesis Award by Association of Agrometeorologists-1 (2008) • Fellow of CHAI-1 (2018) • Outstanding Scientist by SSN-1 (2018) • Young Soil Conservationists-1 (2014) • IASWC Gold Medal -1 (2019) • Best Research Paper Published in IJSC-3 (2014-18) 	Association of Agrometeorologist, Anand-1, IASWC-5, CHAI-1, Society for Science and Nature (SSN)-1	2008-2018
3	Best paper/ Poster award in national and international conferences: 15 <ul style="list-style-type: none"> • National conference-oral Presentation: 8 • International Conference-Oral Presentation: 3 • National Conference-Poster Presentation: 4 	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
	Institute Funded Project-1	2019-20-
1	Carbon sequestration potential of prevailing and recommended land uses in reclaimed degraded ecosystems under different agro-ecological regions of India.	
	External funded project-2	

1	Developing vegetation-based technologies for dust and erosion control along the National Highway	2021-
2	Task Force on Himalayan Agriculture-NMSHE (2 nd Phase)	2021-

Research Projects as PI (Concluded):

	Institute Funded	Period
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 resiliency of soils under different agro-climatic region	2008-15
6	Design development and testing of a simple and low-cost continuous mechanical sediment yield sampler	2008-11
	External Funded project	
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 -NHWDP.
6. Macro Planning for Ravine Reclamation