


Profile of Dr M.Sankar

	<p>Name: Dr M.Sankar Designation: Senior Scientist (Soil Science) Date of Birth: 15.03.1981 Area of Specialization:</p> <ul style="list-style-type: none">• Application of radionuclides (Caesium-137 and Pb210) for erosion assessment• Application of stable isotopes for assess carbon dynamics• Erosion induced spatial variation of nutrients and carbon dynamics• Erosion impact on CO₂ release under various landscapes position• Erosion impact on crop productivity and nutritional quality• Soil restoration of eroded landscapes by Conservation tillage <p>Email ID: M.Sankar1@icar.gov.in sankar15381@gmail.com ERP ID: 007995 Mobile: +91-9997514793; Phone: 0135-2750846 ; Fax:0135-2754213</p>
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Detail Profile

Education

Degree	Year of Passing	University/Institution
Ph.D. (Soil Science -Physical Geography)	2016	University Of Exeter, United Kingdom.
M.Sc. (Soil Science)	2006	Tamil Nadu Agricultural University, Coimbatore, India
B.Sc. (Ag.)	2003	Tamil Nadu Agricultural University, Coimbatore, India

Professional History

Position	Year	Organization
Scientist (Sr. Scientist)	07.01.2018- till date	ICAR- Indian Institute of Soil & Water Conservation, Dehradun
Scientist (Sr. scale)	07.01.2013-06.01.2018	ICAR- Indian Institute of Soil & Water Conservation, Dehradun
Scientist	16.05.2008 to 06.01.2013	Scientist, Indian Institute of Soil and Water Conservation (IISWC), Dehradun,
Scientist (Trainee)	07.01.2008 to 15.01.2008	ICAR-NAARM, Hyderabad

Publications (summary)

S. No.	Publication	Number
1	Research Publications	26
	National	16
	International	10
2	Books	
	Authored	0
	Edited	0
3	Book Chapters	1
4	Lead Papers	0
5	Radio talks	0
6	Technical/Research Reports/ Compilation / Bulletins	1
7	Extension Folders/leaf lets	0
8	Symposia/Workshop/Seminar Papers	1
9	Popular article	7
10	Professional Trainings attended	5
11	Consultancy project handled (Leader in 0 & Associated in 0)	0
12	No. of training organized	
	Short duration sponsored training (Trained : 0)	0
	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: 270)	2
13	Seminars/Symposia/Workshops/Summer or Winter School/ Organized	0
14	External projects handled	2
15	No. of Students Supervised	
	1. PhD- Co-Supervisor	2
	2. M.Sc	0

Most important 5 Publications

1.Somasundaram, J., Chaudhary, R. S., Awanish Kumar, D., Biswas, A. K., Sinha, N. K., Mohanty, M., Hati, K. M., Jha, P., **Sankar, M.**, Patra, A. K., Dalal, R. and Chaudhari, S. K. (2018). Effect of contrasting tillage and cropping systems on soil aggregation, carbon pools and aggregate-associated carbon in rainfed Vertisols. European Journal of Soil Science. doi:10.1111/ejss.12692

2.**M. Sankar**, S. M. Green, P. K. Mishra, Jo Snöälv, N. K. Sharma, K. Karthikeyan, J. Somasundaram, D. M. Kadam, D. Dinesh, Suresh Kumar, V. K. Thilagam and T. A. Quine. (2018). Nationwide soil erosion assessment in India using radioisotope tracers ¹³⁷caesium and ²¹⁰Pb: the need for fallout mapping. Current Science.115(3)388-390.

3. **Sankar Mariappan**, Iain P. Hartley, Elizabeth L. Cressey, Jennifer A. J. Dungait, Timothy A. Quine. (2022). Soil burial reduces decomposition and offsets erosion-induced soil carbon losses in the Indian Himalaya. *Global change biology*. 28(4):1643-1658.

4. Deepak Singh, Alok Kumar Mishra, Sridhar Patra, **Sankar Mariappan**, Nisha Singh, Near-saturated soil hydraulic conductivity and pore characteristics as influenced by conventional and conservation tillage practices in North-West Himalayan region, India, *International Soil and Water Conservation Research*, 2021, ISSN 2095-6339, <https://doi.org/10.1016/j.iswcr.2021.01.001>.

5. J.M.S. Tomar, S.K. Kar, A. Ahmed, **M. Sankar**, J. Jayaprakash, R. Kaushal, S. Islam, H. Mehta, O.P. Chaturvedi (2021). Hydrological fluxes from Sal (*Shorea robusta*) forests under various disturbance gradients of Himalayan foothills. *Ecohydrology & Hydrobiology*. ISSN 1642-3593, <https://doi.org/10.1016/j.ecohyd.2021.12.002>.

Google Scholar link

<https://scholar.google.com/citations?pli=1&authuser=1&user=eMNUIZ8AAAAJ>

ResearchGate link

<https://www.researchgate.net/profile/Sankar-Mariappan>

Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1.	ICAR – International Fellowship for pursuing Ph.D at University of Exeter	ICAR	2011-12
2.	Visiting Scientist, Invited and Funded by The State Key Laboratory of Environmental Geochemistry, Chinese Academy of Science, Guiyang, China	Chinese Academy of Science	2017-18
3.	Internal Grant of University of Reading to attend GCRF-Workshop at University of Reading ,UK.	University of Reading	2018
4.	Visiting Scientist, University of Exeter internal grant awarded, UK.	University of Exeter	2019-20
5.	Govt of India nomination to Commonwealth Fellowship-UK for PhD.	Nominated by MHRD	2011-12

Research Projects as PI (On-going)

1. Assessment of soil carbon in transit under erosion process: A source or sink for atmospheric CO2 (**Institute Funded**)
2. Soil Erosion Estimation based on Radio Tracer Technique and Soil Quality Assessment in Mountainous Landscape of North-West Himalaya (CCPI- ISRO-IIRS Funded)

Research Projects as PI (Concluded)

Nil

Other important responsibility

Officer In charge, Research Farm, IISWC, Selaqui

Consultancies

-Nil