


Profile of Dr Sridhar Patra

	Name: Dr. Sridhar Patra
	Designation: Senior Scientist
	Date of Birth: 28.05.1976
	Area of Specialization: Land and Water Management Engineering
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Detail Profile

Education

Degree	Year of Passing	University/Institution
B.Tech (Agril. Engg)	2000	College of Agricultural Engineering and Technology, O.U.A.T, Bhubaneswar, Odisha
M. Tech (WRDM)	2002	IIT Kharagpur
PhD (Integrated Management of Water, Soil and Waste)	2019	T U Dresden, Germany

Professional History

Position	Year		Organization
Scientist	January 2007	May 2007	NAARM, Hyderabad
Scientist (Sr. Scale)	January 2012	January 2012	ICAR-Indian Institute of Soil and water Conservation, Dehradun
Senior Scientist (8000)	January 2012	January 2017	ICAR-Indian Institute of Soil and water Conservation, Dehradun
Senior Scientist (9000)	January 2017	January 2020	ICAR-Indian Institute of Soil and water Conservation, Dehradun

S. No.	Publication	Number
1	Research Publications	39
	National	12
	International	27
2	Books	
	Authored	02
	Edited	0
3	Book Chapters	5
4	Lead Papers	0

5	Radio talks	0
6	Technical/Research Reports/ Compilation / Bulletins	7
7	Extension Folders/leaf lets	3
8	Symposia/Workshop/Seminar Papers	5
9	Popular article	7
10	Professional Trainings attended	5
11	Consultancy project handled (Leader in 0 & Associated in 3)	3
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: 35)	02
13	Seminars/Symposia/Workshops/Summer or Winter School/ Organized	02
14	External projects handled	2

Most important 5 Publications

1. **Patra, S.**, Julich, S., Feger, K.-H., Jat, M.L., Jat, H., Sharma, P.C., Schwärzel, K. 2019. Soil hydraulic response to conservation agriculture under irrigated intensive cereal-based cropping systems in a semiarid climate. **Soil and Till. Res.** 192, 151-163. <https://doi.org/10.1016/j.still.2019.05.003>
2. **Patra, S.**, Julich, S., Feger, K.-H., Jat, M.L., Sharma, P.C., Schwärzel, K., 2019. Effect of conservation agriculture on stratification of soil organic matter under cereal-based cropping systems. **Archives of Agronomy and Soil Science** <https://doi.org/10.1080//03650340.2019.1588462>.
3. Kumar, G., Sena., D.R. Patra, S., Singh, D., Kurothe, R.S., Mishra, P.K and Nyonand. 2020. Design and development of a low-cost automatic runoff sampler for time distributed sampling. **Journal of Hydrology**.
4. Ahmed M. Abdallah , C.M. Parihar , Sridhar Patra , H.S. Nayak , Y.S. Saharawat , Upendra Singh, M.D. Parihar , S.K. Kakraliya , Ibrahim N. Nassar , Francesca Ugolini , Wafaa F. Zohir , Maram M. Shalaby 2021. Critical evaluation of functional aspects of evaporation barriers through environmental and economics lens for evaporation suppression - A review on milestones from improved technologies. **Science of the Total Environment**. <https://doi.org/10.1016/j.scitotenv.2021.147800>.
5. Kumar, Raj., Bhardwaj, A.K., Rao, B. K., Vishavkarma, A. K., Bhatnagar, P. R., **Patra, S.**, Kumar, G., Kakade, V., Dinesh, D., Pande, V.V., Singh, G., Dobhal, S. and Sharma, N.K. 2020. Development of degraded ravine lands of Western India via Sapota (Achraszapota) plantation with terracing vs. trenching-on-slope based

conservation measures. **Land Degradation and Development** DOI:
10.1002/ldr.3691

Google Scholar link: <https://scholar.google.com/citations?user=ljA4HvIAAAAJ&hl=en>

ResearchGate link: <https://www.researchgate.net/profile/Sridhar-Patra>

Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of Award
1.	GATE	MHRD, Govt. of India	2000
2.	Netaji-Subhash ICAR-International Fellowship	ICAR	2016

Research Projects as PI (On-going) :

1. Effects of conservation agriculture practices on soil pore system and hydraulic properties in north-western Himalayas.

Research Projects as PI (Concluded):

1. Integration of low water harvesting and micro-irrigation for resource conservation and sustainable vegetable production in terraced lands in North Western Himalayas

Other important responsibility:

1. **Programme Leader P-3: Watershed Hydrology for Conservation Planning**
2. **Coordinator (Hydrology and Engineering) : Regular Training Course**