


Profile of DrSadikul Islam

	Name: DrSadikul Islam Designation: Scientist(Agricultural Statistics), Posted at PME Cell (ICAR-IISWC, Dehradun) Date of Birth: 14.09.1990 Area of Specialization: Agricultural statistics, Spatio-temporal modelling at watershed scale and Climate change study; Development of Artificial intelligence models and Probability Distributional approach for hydro-climatic variable prediction, Development of efficient approaches for “Data Integration/Fusion” from different sources; Survey sampling for socio-economic data; Design of Experiments of field research; Multivariate data analysis: Soil and microbial properties, Assessment of River Water Quality and Environmental pollution data and its effect on Agricultural systems; Predictive modelling approach for Biomass and carbonsequestration potential assessment of standing tree/grasses.
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Detail Profile

Education

Degree	Year of Passing	University/Institution
Ph.D. (Agril. Statistics)	2018	Indian Agricultural Research Institute, New Delhi
M.Sc. (Agril. Statistics)	2014	Indian Agricultural Research Institute, New Delhi
B.Sc. (Ag.) Hon.	2012	Uttar BangaKrishiViswavidyalaya, Pundibari, West Bengal

Professional History

Position	Year	Organization
Scientist	Jul., 26, 2018 to till date	ICAR- Indian Institute of Soil & Water Conservation, Dehradun
Scientist (temporary posting cum professional attachment training)	Apr. 16, 2018 to Jul., 16, 2018	ICAR- Indian Agricultural Statistics Research Institute
Scientist (Trainee)	Jan. 04, 2018 to Apr., 03, 2018	ICAR-NAARM, Hyderabad

Publications (summary)

S. No.	Publication	Number
1	Research Publications	16
	National	6
	International	10
2	Books	
	Authored	0
	Edited	0
3	Book Chapters	2

4	Lead Papers	0
5	Radio talks	0
6	Technical/Research Reports/ Compilation / Bulletins	4
7	Extension Folders/leaf lets	0
8	Symposia/Workshop/Seminar Papers	0
9	Popular article	06
10	Professional Trainings attended	5
11	Consultancy project handled (Leader in 0 & Associated in 0)	0
12	No. of training organized	2
	Short duration sponsored training (Trained : 0)	1
	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: 10)	1
13	Seminars/Symposia/Workshops/Summer or Winter School/ Organized	2
14	External projects handled	3

Most important 5 Publications

1. **Islam, S.** and Chandra, H. Small area estimation combining data from two surveys, *Communications in Statistics-Simulation and Computation*, **5(6)**, (2019). <https://doi.org/10.1080/03610918.2019.1588308>
2. **Islam, S.** and Chandra, H. Small Domain Inference Combining Data from Two Independent Surveys. *Journal of the Indian Society of Agricultural Statistics*, **73(1)**, 67–77 (2019). <http://krishi.icar.gov.in/jspui/handle/123456789/35410#>
#Paper presented and awarded in Dr. G.R. Seth Memorial Young Scientist Award Session on December 14, 2018 in the 72nd Annual Conference of the Indian Society of Agricultural Statistics held at ICAR-CIAE, Bhopal during December 13-15-2018.
3. Rathore, A.C., Mehta, H., **Islam, S.** Sharma, N.K., Jayaprakash, J., Gupta, A.K., Dubey, R.K., Prasad, R., and Raizada, A. Biomass, carbon stocks estimation and predictive modeling in mango based land uses on degraded lands in Indian Sub-Himalayas. *Agroforestry Systems*, **95**, 1563–1575 (2021). <https://doi.org/10.1007/s10457-021-00660-4>.
4. Kaushal, R., Kumar, A., Patra, S., **Islam, S.**, Tomar, J.M.S., Singh, D.V., Mandal, D., Rajkumar, Mehta, h., Chaturvedi, O.P., and Durai, J. In-situ soil moisture conservation in bamboos for the rehabilitation of degraded lands in the Himalayan foothills, *Ecological Engineering*, **173**, 106437 (2021). <https://doi.org/10.1016/j.ecoleng.2021.106437>
5. Rathore, A.C., Mehta, H., Jayaprakash, J., Singh, C., Gupta, A.K., Kumar, P., **Islam, S.**, Kar, S.K., Patra, S., Chand, L., Doharey, V.K., Ojasvi, P.R., Yadav, R.S. and Madhu, M. Modified plant architecture integrated with liquid fertilizers improves fruit productivity and quality of tomato in North West Himalaya, India. *Scientific Reports*, **11**, 18664 (2021). <https://doi.org/10.1038/s41598-021-98209-z>

Google Scholar link

<https://scholar.google.com/citations?hl=en&user=E4QFJV0AAAAJ>

ResearchGate link

<https://www.researchgate.net/profile/Sadikul-Islam-3/research>

Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1.	Awarded Dr G.R. Seth Memorial Young Scientist Award.	72nd Annual Conference of the Indian Society of Agricultural Statistics held at ICAR-CIAE, Bhopal during December 13-15-2018.	2018

Research Projects as PI (On-going)

1. Development of Artificial Intelligence Models for Watershed Scale Modelling Using the Data Of Ramganga Watershed Catchment(**Institute Funded**)
2. Development of Rainfall Energy Based Erosivity Factor to Formulate a Daily Based Generic Erosion Equation (**Institute Funded**)

Research Projects as PI (Concluded)

1. Comprehensive assessment of climate change implication on watershed development component of PMKSY (WDC-PMKSY) (**NICRA Funded**)

Other important responsibility

1. Nodal officer of HYPM/ARMS/PMS
2. Nodal officer KOHA/CeRA
3. OIC Library in absence Mrs. Seema Khanna, OIC, Library
4. Editor, Food and Scientific Report online Magazine

Consultancies-Nil