


Profile of Dr Ch. Jyotiprava Dash

	Name: Dr Ch. Jyotiprava Dash
	Designation: Senior Scientist (Soil and Water Conservation Engineering
	Date of Birth: 08-05-1980
	Area of Specialization: Watershed hydrology, Hydrologic modelling, geostatistics, soil and water conservation, remote Sensing and GIS
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Education

Degree	Year of Passing	University/Institution
Ph.D. (SWCE)	2011	Indian Agricultural Research Institute, New Delhi
M.Sc. (Ag. Engg.)	2005	Indian Agricultural Research Institute, New Delhi
B.Tech. (Ag. Engg.)	2002	Odisha University of Agriculture and Technology, Bhubaneswar

Professional History

Position	Year	Organization
Senior Scientist	01-01- 2022 to till date	ICAR- Indian Institute of Soil & Water Conservation, Research Centre, Sunabeda, Koraput, Odisha
Scientist (Sr. Scale)	01-01- 2017 to 31-12- 2021	ICAR- Indian Institute of Soil & Water Conservation, Research Centre, Sunabeda, Koraput, Odisha
Scientist	11-04- 2013 to 31-12- 2016	ICAR- Indian Institute of Soil & Water Conservation, Research Centre, Sunabeda, Koraput, Odisha
Scientist (Trainee)	01-01-2013 to 10-04-2013	ICAR-National Academy of Agricultural Research Management, Hyderabad, Telengana
Subject Matter Specialist, (Ag. Engg.)	12-01-2010 to 29-12- 2012	Krishi Vigyan Kendra, Boudh, Odisha University of Agriculture and Technology, Bhubaneswar

Publications (summary)

S. No.	Publication	Number
1	Research Publications	33
	National	18
	International	15
2	Books	05
	Authored	01
	Edited	05
3	Book Chapters	39
4	Lead Papers	03
5	Radio talks	0
6	Technical/Research Reports/ Compilation / Bulletins	06

7	Training Manual	06
8	Extension Folders/leaf lets	03
9	Symposia/Workshop/Seminar Papers	04
10	Popular article	04
11	Professional Trainings attended	07
12	Consultancy project handled (Leader in 0 & Associated in 1)	01
13	No. of training organized	14
	Short duration sponsored training (Trained : 4)	04
	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)	10
14	Seminars/Symposia/Workshops/Summer or Winter School/ Organized	01
15	External projects handled	06

Most important 5 Publications

1. Dash Ch J, Das NK, Adhikary PP (2019) Rainfall erosivity and erosivity density in Eastern Ghats Highland of east India. *Natural Hazards*, 97: 727-746. <https://doi.org/10.1007/s11069-019-03670-9>.
2. Dash Ch J, Adhikary PP, Das NK, Alam NM, Mishra PK (2018) Comparison of rainfall kinetic energy-intensity relationships for Eastern Ghats Highland region of India. *Natural Hazards*, 93(1):547-558. <https://doi.org/10.1007/s11069-018-3314-z>
3. Dash Ch J, Sarangi A, Singh DK, Adhikary PP (2019) Numerical simulation to assess potential groundwater recharge and net groundwater use in a semi-arid region. *Environmental Monitoring and Assessment*, 191: 371-384. <https://doi.org/10.1007/s10661-019-7508-y>
4. Dash Ch J, Adhikary PP, Madhu M, Mukhopadhyay S, Singh SK, Mishra PK (2018) Assessment of spatial changes in forest cover and deforestation rate in Eastern Ghats Highlands of Odisha, India. *Journal of Environmental Biology*. 39(2): 196-203.
5. Adhikary PP, Sena DR, Dash Ch J, Mandal U, Nanda S, Madhu M, Sahoo DC, Mishra PK (2019) Effect of calibration and validation decisions on stream flow modeling for a heterogeneous and low runoff-producing river basin in India. *Journal of Hydrologic Engineering* 24 (7), 05019015. [https://doi.org/10.1061/\(ASCE\)HE.1943-5584.000179](https://doi.org/10.1061/(ASCE)HE.1943-5584.000179)

Google Scholar link

<https://scholar.google.co.in/citations?user=CdJL43AAAAAJ&hl=en>

ResearchGate link

<https://www.researchgate.net/profile/Jyotiprava-Dash>

Awards/Fellowships/Recognitions

S. No.	Name of the Award/Fellowship /Recognition	Awarding organization	Year of award
1.	ICAR-Nanaji Deshmukh Award for outstanding interdisciplinary team research in agricultural and allied sciences	Indian Council of Agricultural Research, New Delhi	2019
2	NAAS – Associate	National Academy of Agricultural Sciences, New Delhi	2020
3	Best Scientist Award	ICAR-Indian Institute of Soil & Water Conservation, Dehradun	2021
4	Young Scientist Award	Indian Association of Soil and Water Conservationists, Dehradun	2019
5	Merit certificate in Soil and Water Conservation Engineering	ICAR-Indian Institute of Soil & Water Conservation, Dehradun	2017
6	Best research paper Award (Engineering and Hydrology)	Indian Association of Soil and Water Conservationists, Dehradun	2021
7	SCSI Student Fellowship Award	Soil Conservation Society of India, New Delhi	2006
8	Narendra Kumar Roy Medal	Indian Institute of Agricultural Research,, New Delhi	2005
9	Senior Research Fellow	Indian Institute of Agricultural Research,, New Delhi	2006-2010
10	Junior Research Fellow	Indian Council of Agricultural Research, New Delhi	2003-2005
11	OUAT Merit Scholarship	CAET, OUAT, Bhubaneswar	1998-2002
Best paper/ Poster award in national and international conferences			
1	Best Poster Award –National conference	Indian Association of Soil and Water Conservationists, Dehradun	2019
2	Best Poster Award –National conference	Indian Association of Soil and Water Conservationists, Dehradun	2018

Research Projects:

Total Project handled as PI and Co-PI: 16

Research Projects as PI (On-going): 3

SN	Project Title	Period
Institute Funded Project-1		
1	Erosion-productivity relationships for evaluating vulnerability and resiliency of soils under different agro-climatic regions of India.	2021-2025
External funded project-2		
1	STI hub up-scaling sustainable technological solution and replicable model for ensuring food and nutrition, livelihood and social security of ST in selected Gram Panchayat of Koraput district, Odisha (DST Funded)	2021-2024
2	Assessment of performance of traditional water harvesting structure <i>Jhola kundi</i> in enhancing socio-economic status of tribals in Koraput district, Odisha (RKVY Funded)	2021-2024

Research Projects as PI (Concluded):

	Institute Funded	Period
1	Mapping and characterization of <i>Jhola</i> land areas in Koraput district (Institute Funded)	2014-2017
2	Regionalization of erosivity density and identification of hot-spot of erosion risk under different agro-ecological regions of India	2018-2021
3	Hydrologic systems analysis across multiple spatial scales and its implications on hydrologic processes in sub-humid catchment of Eastern Ghats Highland region of Odisha	2015-2022

Other important responsibility

1. OIC –PME Cell, ICAR-IISWC, RC-Koraput (June 2022 – till date)
2. OIC –Hydrology-Engineering, ICAR-IISWC, RC-Koraput (June 2021-September 2021 & September 2022 – till date)
3. Co-ordinator, SCSP, ICAR-IISWC, RC-Koraput (November 2019- September 2021)
4. Co-ordinator, SCSP & TSP, ICAR-IISWC, RC-Koraput (January 2023-May 2023)
5. OIC, Estate & works, ICAR-IISWC, ICAR-IISWC, RC-Koraput (2016 - September 2021)
6. OIC, Soil Lab, ICAR-IISWC, RC-Koraput (December 2019 - September 2021)
7. OIC, ARIS Cell, ICAR-IISWC, RC-Koraput (June 2021- September 2021)
8. Member Secretary, STMIM, ICAR-IISWC, RC-Koraput (August 2013- June 2021)
9. CPIO, RTI, ICAR-IISWC, RC-Koraput (August 2013 – March 2019)
10. Nodal Officer mKrishi (R) PAWS, ICAR-IISWC, RC-Koraput (January 2018-December 2018)
11. Member, Scientific team, ICAR-IISWC, RC-Koraput (September 2016-December 2019)

Consultancies

Worked as a team member in one consultancy

1. District Irrigation Plan for six districts of Odisha under PMKSY during 2016