

RESUME

NAME: DR. RATNESWAR PODDAR

DESIGNATION: Assistant Professor (Stage II)

CONTACTS:

1. OFFICIAL ADDRESS FOR CORRESPONDENCE: Department of Agronomy, Faculty of Agriculture, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia-741252, West Bengal, India

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4. ORCID ID: <https://orcid.org/0000-0003-2223-8725>

5. GOOGLE SCHOLAR PROFILE: https://scholar.google.com/citations?hl=en&user=KTNhM70AAAAJ&view_op

6. RESEARCH GATE PROFILE: <https://www.researchgate.net/profile/Ratneswar-Poddar>

7. DATE OF BIRTH: 05/04/1989

8. DATE OF JOINING TO THE UNIVERSITY: 12/11/2014



9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Agronomy	Bidhan Chandra Krishi Viswavidyalaya	2019
MASTER'S	Agronomy	Chaudhary Charan Singh Haryana Agricultural University	2012
BACHELOR'S	B.Sc (Agriculture)	Bidhan Chandra Krishi Viswavidyalaya	2010

10. EMPLOYMENT HISTORY: (Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		FROM (DATE)	TO (DATE)
Assistant Professor (Stage I)	Bidhan Chandra Krishi Viswavidyalaya	12.11.2014	11.11.2019
Assistant Professor (Stage II)	Bidhan Chandra Krishi Viswavidyalaya	12.11.2014	Till date

11. ADMINISTRATIVE POST(S)/ RESPONSIBILITY (IES) (IF ANY) : Nil

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		FROM (DATE)	TO (DATE)
1	Officer in Charge, AICRP on Irrigation Water Management	08.01.2025	Till date

12. AREA OF RESEARCH : (Bulleted list)

- Irrigation water management under various crops and cropping system
- Weed ecology and their management

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDER GRADUATE	AGR-151	Fundamentals of Agronomy II	1+1
POST GRADUATE	AGRON-512	Dry land Agriculture and Watershed Management	2+1
Ph.D.	AGRON-606	Soil Conservation and Watershed Management	2+1

14. NUMBER OF STUDENTS SUPERVISED:

Master's.: 3 (passed out) + 2 (pursuing)

Doctoral: 1 (pursuing)

15. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1.	Bio-efficacy studies of LCO fortified Myc in paddy	M/S-Novozymes South Asia Pvt. Ltd.	Completed	PI
2.	Field Studies with various Products "Jumpstart 2.0, Boly Gr., Myc 100, Rhizomyco, Rhizomyx., Ranchet" in paddy	M/S-Novozymes South Asia Pvt. Ltd.	Completed	PI
3.	Bio-efficacy and phytotoxicity studies of Metalachlor 50% EC in soybean	Sinochem India Company Pvt. Ltd.	Completed	PI
4.	Bio-efficacy evaluation of UPH 1518 in transplanted paddy	M/S UPL Limited	Completed	PI
5.	Bio-efficacy evaluation of IRIS on Black gram and Groundnut	M/S-UPL Limited	Completed	Co-PI
6.	Management of ground water irrigation in Gangetic alluvium of West Bengal	RKVY, Govt. of West Bengal	Completed	Co-PI
7.	Field Bio-efficacy cum phytotoxicity evaluation of Atrazine 50% WP against weed complex in sugarcane & maize	M/S Meghmani Industries Ltd.	Completed	Co-PI
8.	Evaluation of Bio-efficacy and Phytotoxicity of MCPA 750 SL against weed in tea	M/S-Excel Crop Care Ltd.	Completed	Co-PI
9.	Bio-efficacy evaluation of Bispyribac sodium 10% SC for weed control in nursery, transplanted and direct sown paddy crop	M/S-Rainbow Agro sciences Pvt. Ltd.	Completed	Co-PI

16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	National workshop on 'Current Strategies and Emerging Issues of Soil-Water-Environmental Management in Agricultural System' organized by jointly AICRP on IWM & AICRP on STCRS, BCKV during	7-8 th March, 2019	FACC, Kalyani, Nadia, W.B	Member of Organizing Committee
2.	State level workshop on 'Management of ground water irrigation' organized by AICRP on IWM, BCKV	27 th February, 2017	FACC, Kalyani, Nadia, W.B	Member of Organizing Committee
3.	the National Seminar on "Advances in Crop Science & Technology Agriculture and Allied Sciences" organized by Department of Agronomy, BCKV	17-18 th December, 2015	FACC, Kalyani, Nadia, W.B	Member of Organizing Committee

1. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):

- ICAR-Junior Research Scholarship (JRF)
- Best Poster Award in the 3rd International Agronomy Congress
- All India Senior Research Fellowship (PGS)-2013 Examination [ICAR-SRF (PGS)] and is awarded SRF (PGS) with Fellowship
- ICAR-National Eligibility Test (NET)
- Got Rajiv Gandhi National Fellowship (RGNF) by UGC in the year 2013-14
- Best Oral presentation in the National seminar on "Advances in Sustainable Management of Natural Resources for Food and Nutritional Security" at Navsari Agricultural University, Navsari (Gujarat)

- CWSS Young Scientist Award-2022
- COBACAS Young Scientist of the Year-2024

2. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY (Bulleted list):

3. PUBLICATIONS

A. BOOKS

B. RESEARCH PAPERS (Best 10)

1.	Patra, Sanmay Kumar., Pailan, Enamul., Sen, Arup., Poddar, Ratneswar. (2025). Response of drip-based deficit irrigation scheduling and plastic mulching on tuberose growth, flowering characteristics, yield, water productivity, and water-nutrient dynamics in a humid sub-tropical climate. <i>Journal of Soil Science and Plant Nutrition</i> . https://doi.org/10.1007/s42729-025-02235-z (NAAS: 9.40)
2.	Mohanty, Samanyita., Saha, Sushanta., Saha, Bholanath., Asif, Sk Md., Poddar, Ratneswar. , Ray, Manabendra., Mukhopadhyay, Swapan Kumar., Hazra, Gorachand. (2024). Substitution of fertilizer-N with biogas slurry in diversified rice-based cropping systems: Effect on productivity, carbon footprints, nutrients and energy balance. <i>Field Crops Research</i> . 307 (2024): 109242. https://doi.org/10.1016/j.fcr.2023.109242 (NAAS: 11.80)
3.	Sen, Arup., Saha, Niharendu., Sarkar, Arindam., Poddar, Ratneswar. , Pramanik, Krishnendu., Kundu, Rajib (2024) Enhancing phosphorus availability and growth of green gram (<i>Vigna radiata</i>) in acidic red and laterite soil through liquid formulations of native phosphate solubilizing bacteria. <i>Biocatalysis and Agricultural Biotechnology</i> 61(2024):103413. https://doi.org/10.1016/j.bcab.2024.103413 (NAAS:10.0)
4.	Patra, Sanmay Kumar., Poddar, Ratneswar. , Sarkar, Arindam., Sen, Arup., Sengupta, Sudip., Kundu, Rajib., Saha, Sushanta. (2024). Irrigation Scheduling and Nutrient Management in Green Gram Cultivation: An Evaluation of Yield and Water Productivity, Soil Water-Nutrient Dynamics, Energy Budgeting and Profitability. <i>International Journal of Plant Production</i> . https://doi.org/10.1007/s42106-024-00295-2 (NAAS:8.50)
5.	Mondal, U., Patra, S.K., Poddar, R. , Sarkar, A., Das, N.C., Al-Shuraym, L.A., Sayed, S., Gaber, A. and Hossain, A. (2024). The microsprinkler irrigation system influences the growth, yield, and water productivity and nutrient uptake of aerobic rice under humid subtropical climatic conditions. <i>Paddy and Water Environment</i> . https://doi.org/10.1007/s10333-024-00988-4 (NAAS:8.20)
6.	Patra, S.K., Poddar, R. , Pramanik S, Bandopadhyay P, Gaber A, Hossain A (2023). Growth, yield, water productivity and economics of okra (<i>Abelmoschus esculentus</i> L.) in response to gravity drip irrigation under mulch and without-mulch conditions. <i>Scientia Horticulturae</i> , 321 (2023): 112327. https://doi.org/10.1016/j.scienta.2023.112327 . (NAAS:10.30)
7.	Sengupta, Sudip., Patra, S. K., Laha, Aritri., Poddar, Ratneswar. , Bhattacharyya, Kallol., Dey, Pradip and Mandal Jajati (2023) Replacing conventional surface irrigation with micro-irrigation in vegetables can alleviate arsenic toxicity and improve water productivity. <i>Ground Water for Sustainable Development</i> 23: 101012. https://doi.org/10.1016/j.gsd.2023.101012 (IF:5.9)
8.	Poddar, Ratneswar. , Acharjee, P.U., Bhattacharyya, K. and Patra, S.K. (2022) Effect of irrigation regime and varietal selection on the yield, water productivity, energy indices and economics of rice production in the lower Gangetic Plains of Eastern India. <i>Agricultural Water Management</i> . 262: 107327 https://doi.org/10.1016/j.agwat.2021.107327 (NAAS:12.70)
9.	Poddar, Ratneswar. , Acharjee, Pravat Utpal., Bhattacharyya, Kallol and Patra, Sanmay Kumar (2022). Mitigation of arsenic in broccoli through consumptive use of ground water and pond water as sources for irrigation. <i>Archives of Agronomy and Soil Science</i> , https://doi.org/10.1080/03650340.2022.2032676 (NAAS:8.40)
10.	Patra, S.K., Poddar, R. , Pramanik S, Gaber A, Hossain A (2022) Crop and water productivity and profitability of broccoli (<i>Brassica oleracea</i> L. var. <i>italica</i>) under gravity drip irrigation with mulching condition in a humid sub-tropical climate. <i>PLoS ONE</i> 17(3): e0265439. https://doi.org/10.1371/journal.pone.0265439 . (NAAS:9.70)

Ratneswar Poddar

03.03.2025

Signature with Date