

RESUME

NAME: Dr. Shubhadip Dasgupta

DESIGNATION: Assistant Professor (Stage-II).

(Agricultural Chemistry and Soil Science)

CONTACTS:



1. OFFICIAL ADDRESS FOR CORRESPONDENCE:

All India Co-ordinated Research Project (AICRP) on Soil Test Crop Response;
Directorate of Research, Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, West
Bengal, India-741252

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3. EMAIL : Institutional: dasgupta.shubhadip@bckv.edu.in

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4. ORCID ID: 0000-0002-4230-4358

5. GOOGLE SCHOLAR PROFILE:

<https://scholar.google.com/citations?user=2fZCrzkAAAAJ&hl=en&oi=ao>

Citations: 328, h-index: 10, i10-index: 11 (as on 18.03.25)

6. RESEARCHGATE PROFILE: <https://www.researchgate.net/profile/Shubhadip-Dasgupta-2>

Research Interest Score: 419.4, Reads: 16410, Citations: 330

7. DATE OF BIRTH: 11/05/1990

8. DATE OF JOINING TO THE UNIVERSITY: 21/10/2014

9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D. in Soil Science (Smart Soil Sensing for Rapid Soil Fertility Prediction and Mapping) DEPARTMENT: Agricultural and Food Engineering	Indian Institute of Technology Kharagpur, India	2024
MASTER'S	M.Sc(Ag). in the Department of Agricultural Chemistry and Soil Science	Bidhan Chandra Krishi Viswavidyalaya	2013
BACHELOR'S	B. Sc. Ag. (Hons.)	Bidhan Chandra Krishi Viswavidyalaya	2011

10. EMPLOYMENT HISTORY:(Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Assistant Professor. Stage-I (Agricultural Chemistry and Soil Science)	Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India-741252	21.10.2014	21.10.2020
Assistant Professor. Stage-II (Agricultural Chemistry and Soil Science)	Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India-741252	22.10.2020	Till Date

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

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1.	Provost, New P.G. Hostel (Rabindra Abas)	April, 2016	September, 2016
2.	Provost, J.C.Bose Hostel (Jagadish Abas)	September 2023	Till Date

12. Area of Research (Bulleted List)

- proximal sensing for Soil Fertility Properties
- Remote Sensing for Soil Fertility Properties
- Portable XRF,
- Soil Mapping
- Soil Testing
- Soil Test Based Fertilizer Recommendation
- Digital soil mapping
- Soil Fertility and Nutrient Prediction
- Soil Fertility and Soil Quality Assessment
- Soil Survey

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	ACSS(H)-103	Fundamentals of Soil Science	3(2+1)
POSTGRADUATE	SOIL-505	Soil Erosion and Conservation	3(2+1)
	ACS-651	Fertilizer Technology	2 (1+1)
	SOIL-513	Soil Survey and Land Use Planning	2(2+0)
	SOIL-509	Remote Sensing and GIS Technique for Soil, Water and Crop Studies	3(2+1)

14. NUMBER OF STUDENTS SUPERVISED:

Master's: 4 (Supervised); 10 (Co-Supervised); Doctoral: 4 (Co-Supervised and ongoing)

15. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1	Farmers Service Centre for Soil Testing and Fertilizer Recommendation-Referral Laboratory (Grant Amount: Rs 246.6 lakhs)	NABARD, Govt. of India	COMPLETED (Sept. 2015 to March 2020)	Co-PI
2	Fertilizer Efficiency Evaluation of Ralligold-Granule in Transplanted Paddy and its effect on yield and quality of paddy and soil fertility. (Grant Amount: Rs. 2.80 lakhs)	M/S Rallis India Limited, India	COMPLETED June, 2018 to June, 2020(Grant Amount: Rs. 2.80 lakhs)	PI
3	All India Network Project on Onion & Garlic. (Vol. Centre), B.C.K.V	ICAR, Govt. of India	ONGOING from 2016	As Co-PI
4	Assessment of suitability of multi-nutrient extractant for estimating available nutrients in soil under rice. (Rs. 6.92 Lakhs)	West Bengal state Department of Science and Technology	COMPLETED 2020-24	As Co-PI
5	Community-Based Production, Promotion, and Commercialization of Enriched Vermicompost, Soil-Specific Low-Cost Biofertilizers, and Soil Test Based Judicious Fertilizer Recommendations: A Holistic Approach to Smart Agro Solutions for Arsenic Mitigation, Improved Crop Yield, and Livelihood Enhancement. (Rs. 59 Lakhs)	India Council of Agricultural Research (ICAR), Govt. of India	ONGOING from August, 2024	As Co-PI
6	Hyperspectral reflectance and multi-nutrient extractant based rapid assessment of soil properties for sustainable soil health in India.	National Agricultural Science Fund;	ONGOING from 2022	As Co-PI

	(Rs. 15.96 Lakhs)	India Council of Agricultural Research , Govt. of India		
7	Establishment of State of Art Soil-Water Testing Facilities and Service Centre”, RKVY-RAFTAAR (Rs. 410 Lakhs)	Department of Agriculture, Govt. of West Bengal, India,	ONGOING from 2021-22	As Co-PI
8	Utilization of ITC Tribeni Paper Mill treated water for irrigation in the local farming sector	ITC Limited, Tribeni, West Bengal, India	COMPLETED 2022-2024	As Co-PI
9	Bio-effectiveness, phytotoxicity, soil physicochemical and biological properties study of Atrazine 50% WP on Maize regarding	M/S Rainbow Agrosiences Pvt.Ltd	COMPLETED 2021-23	As Co-PI

16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	Soil Testing Certification Programme	30 days	AICRP on STCR, D/R Building, BCKV; 2016	Trainer
2.	Soil Testing Certification Programme	21 days	AICRP on STCR, D/R Building, BCKV, 2019	Trainer

17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED

Sl. No.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
	Acted as guide for educational tour of B.Sc (Ag.) 5 th Semester students of College of Agriculture, BCKV, BurdwanSadar	23.09.2019 to 30. 09.2019 (8 days)	ICAR-National Research Centre for Orchids (NRCO) in Gangtok, Sikkim	Team Manager of College of Agriculture, BCKV, BurdwanSadar
	Organized the 1 st Farm Innovation Congress, 2018 and National Conference on “Innovative Farming for Food and Livelihood Security in Changing Climate” during and presented a research poster entitled “Nutrient Integration – A Novel Path to Improve Soil Quality and Functional Food Components of Cabbage”	12-13 th January 2018	FACC, BCKV, Kalyani	organized National conference jointly by Innovative Farming, Society for Advancement of Agricultural Innovations (SAAI) and AICRP on STCR. BCKV

	Organized the National Symposium on “Recent Advances on Floriculture and Urban Horticulture in Global Perspective”	on 4-5 th January, 2018 at BCKV	organized by Department of Floriculture & Landscape Architecture, BCKV	As Organizing committee member
	National Seminar on “ Agri-Chemicals for a benign environment”	BCKV	Jointly organized by Society for Fertilizers and Environment and Bidhan Chandra Krishi Viswavidyalaya on 29 th March, 2018	As Organizing committee member
	11 th National Seminar on Transformative Agriculture and Sustainable Development: Rethinking Agriculture for a Changing World (15 th -17 th February, 2024)	BCKV and Virtual mode	SOCIETY FOR FERTILIZERS AND ENVIRONMENT (SFE) and Department of Agricultural Chemistry and Soil Science, Bidhan Chandra	As Organizing committee member
	International Conference on “Agriculture, Food Science, Natural Resource Management and Environmental Dynamics: The Technology, People, and Sustainable Development	BCKV	Department of Agril. Extension, BCKV and Krishi Sanskriti, New Delhi	As Organizing committee member
	National Workshop on AICRP on STCR, 2018	BCKV	AICRP on STCR, BCKV Centre	As Organizing committee member
	Acted as a Team Manger (Single) of BCKV Cricket Team in East Zone Inter-University Cricket Tournament, 2015-2016 (assigned on duty for 7 days).	Lalit Narayan Mithila University ,Darbhanga, Bihar	15.12.2015 to 21.12.2015	Team Manger (Single) of BCKV Cricket Team

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

- West Bengal State Government Scholarship during Higher Secondary Study
- West Bengal State Government Scholarship during Bachelors of Science (Agriculture) Study
- University Merit Cum Means Fellowship during Mater of Science in Agricultural Chemistry and Soil Science
- Senior Research Fellowship during Ph.D. level.

- Research Associate Position during Ph.D. level.
- Selected as Agricultural Field Officer in Allahabad Bank through IBPS Examination

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

- School of Environmental Sciences, University of Guelph, Canada (Collaborative Research)
- Texas Tech University, Lubbock, Texas, USA (Collaborative Research)

20. PUBLICATIONS

A. BOOKS

B. RESEARCH PAPERS (Best 10)

1. **Dasgupta, S.**, Debnath, S., Das, A., Biswas, A., Weindorf, D.C., Li, B., Shukla, A.K., Das, S., Saha, S. and Chakraborty, S., 2023. Developing regional soil micronutrient management strategies through ensemble learning based digital soil mapping. *Geoderma*, 433, p.116457. **NASS Rating: 12.10**
2. **Dasgupta, S.**, Chakraborty, S., Weindorf, D.C., Li, B., Silva, S.H.G. and Bhattacharyya, K., 2022. Influence of auxiliary soil variables to improve PXRf-based soil fertility evaluation in India. *Geoderma Regional*, 30, p.e00557. **NASS Rating: 10.10**
3. **Dasgupta, S.**, Sengupta, S., Saha, S., Saha, N., Bhattacharyya, K. and Dey, P., 2021. Predicting the response of soil potassium to broccoli (*Brassica oleracea* var. *italica*) in a Gangetic Inceptisol of West Bengal, India through suitable chemical extractants. *Journal of Plant Nutrition*, 44(7), pp.931-945 **NASS Rating: 8.10**
4. Lavanya, V., Das, A., Nayak, A., Chawla, Y., **Dasgupta, S.**, Weindorf, D. C., Li, B., & Chakraborty, S. (2024). Digital soil mapping of available phosphorus using a smartphone-integrated RGB imaging device and ascorbic acid extraction method. *Journal Name*, Volume 9, 100501 <https://doi.org/10.1016/j.atech.2024.100591> **NASS Rating: 12.30**
5. Swetha, R.K., **Dasgupta, S.**, Chakraborty, S., Li, B., Weindorf, D.C., Mancini, M., Silva, S.H.G., Ribeiro, B.T., Curi, N. and Ray, D.P., 2022. Using Nix color sensor and Munsell soil color variables to classify contrasting soil types and predict soil organic carbon in Eastern India. *Computers and Electronics in Agriculture*, 199, p.107192. **NASS Rating: 14.30**
6. Lavanya, V., Nayak, A., **Dasgupta, S.**, Urkude, S., Dey, S., Biswas, A., Li, B., Weindorf, D.C. and Chakraborty, S., 2023. A smartphone-integrated imaging device for measuring nitrate and phosphate in soil and water samples. *Microchemical Journal*, 193, p.109042. **NASS Rating: 10.80**

7. Lavanya, V., Nayak, A., Deb Roy, P., **Dasgupta, S.**, Dey, S., Li, B., Weindorf, D.C. and Chakraborty, S., 2023. A Smartphone-Enabled Imaging Device for Chromotropic Acid-Based Measurement of Nitrate in Soil Samples. **Sensors**, **23(17)**, p.7345. **NASS Rating: 9.90**
8. Goswami, R., Dutta, S., Misra, S., **Dasgupta, S.**, Chakraborty, S., Mallick, K., Sinha, A., Singh, V.K., Oberthür, T., Cook, S. and Majumdar, K., 2023. Whither digital agriculture in India? **Crop and pasture science** **NASS Rating: 7.8**
9. Saha, C., Bhattacharya, P., Sengupta, S., **Dasgupta, S.**, Patra, S.K., Bhattacharyya, K. and Dey, P., 2021. Response of cabbage to soil test-based fertilization coupled with different levels of drip irrigation in an inceptisol. **Irrigation Science**, pp.1-15. **NASS Rating: 9.00**
10. Saha, A., Mani, P. K., Hazra, G. C., Dey, A., & **Dasgupta, S.** (2018). Determining critical limit of boron in soil for wheat (*Triticumaestivum* L.). *Journal of plant nutrition*, 41(16), 2091-2102. **NASS Rating: 8.20**



Signature with Date
(18.03.25)