RESUME

NAME: DR. SUSHANTA SAHA

DESIGNATION: ASSISTANT PROFESSOR (AG. CHEM. & SOIL SCIENCE)

CONTACTS:

1. OFFICIAL ADDRESS FOR CORRESPONDENCE: AICRP on Integrated Farming Systems,

Directorate of Resaerch, BCKV, Mohanpur, WB-741252

- 2. PHONE : Mobile: <u>+91-8820196375/8777207507</u> WhatsApp: <u>+91-8820196375</u>
- 3. EMAIL : Institutional: <u>saha.sushanta@bckv.edu.in</u>

Alternative: sushanta.hau@gmail.com

4. ORCID ID: http://orcid.org/0000-0002-7487-9885

5. GOOGLE SCHOLAR PROFILE:

https://scholar.google.com/citations?hl=en&user=FMyNyoAAAAAJ

Citations: 684; h-index: 13; i10-index: 20 (as on 21.05.2025)

6. RESEARCHGATE PROFILE: <u>https://www.researchgate.net/profile/Sushanta-Saha-</u>

<u>3?ev=hdr_xprf</u>

Research Interest Score: 895.0 (as on 21.05.2025)

7. DATE OF BIRTH: <u>22/04/1987</u>

8. DATE OF JOINING TO THE UNIVERSITY: 01/11/2014

9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH	INSTITUTE	YEAR	OF
	DISCIPLINE/ DEPARTMENT		PASSING	
DOCTORAL	PhD in Agril. Chem. & Soil Science	BCKV, Mohanpur	2015	
MASTER'S	M.Sc. in Soil Science	CCS HAU, Hisar	2010	
BACHELOR'S	B.Sc. (Ag.) Hons.	UBKV, Pundibari	2008	

10. EMPLOYMENT HISTORY: (Starting from present position)

POSITION		ORGANIZATION			PERIOD		
						From (Date)	To (Date)
Assistant	Professor	Bidhan	Cł	nandra	Krishi	01.11.2014	till date
(Stage-II)		Viswav	ridyalaya	n, Mohanj	pur		
Subject	Matter	Nadia	Krishi	Vigyan	Kendra,	27.05.2014	31.10.2014
Specialist (Soil Science)		BCKV	, Gayesh	pur			



11. ADMINISTRATIVE POST(S)/RESPONSIBILIY(IES) (IF ANY): NIL

12. AREA OF RESEARCH: (Bulleted list)

- Nutrient management in cropping systems
- Integrated farming systems
- Micronutrients in soil-plant systems
- Soil pollution, risk assessment of heavy metals

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	i) EC-362	Deficiency and Toxicity of Elements in Soil, Plant and Water	3 (2+1)
	ii) ACSS(H)-256	Soil, Water and Plant Analysis	2 (1+1)
POST GRADUATE	i) Soil 510	Analytical Techniques & Instrumental Methods in Soil & Plant Analysis	2 (0+2)
Ph.D.	i) Soil 606	Soil Resource Management	2 (2+0)
	ii) Soil 601	Recent Trend in Soil Physics	2 (2+0)

14. NUMBER OF STUDENTS SUPERVISED:

Master's: Seven (07)

Doctoral: <u>One (01)</u>

15. PROJECT ACTIVITIES

SL.		FUNDING			
NO.	TITLE OF THE PROJECT	AGENCY	COMPLETED	PI/ Co-PI	
1.	AICRP (ad-hoc Centre) on 'Micro- and Secondary Nutrients and Pollutant Elements in Soils and Plants'	ICAR-IISS, Bhopal, MP	Ongoing	PI/Scientist-in- Charge	
2.	Hyperspectral reflectance and multi-nutrient extractant based rapid assessment of soil properties for sustainable soil health in India	ICAR-NASF, New Delhi	2022-2024	PI	
3.	Testing of soil samples for different physical and chemical properties	ITC Ltd.	2022-23	PI	
4.	Fertilizer efficiency evaluation of	Rallis India	2018-2020	PI	

Rallis Surplus (multi-micronutrient	Ltd. (A Tata	
fertilizer) on yield and quality of	Enterprise)	
transplanted paddy		

16. CAPACITY BUILDING/FACULTY DEVELOPMENTPROGRAMME ORGANIZED: None

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"	March 07-08, 2019	FACC (Lake Hall), BCKV	Member of Organizing Committee
2.	 1st Farm Innovation Congress (FIC), 2018 & National Conference on "Innovative Farming for Food and Livelihood Security in Changing Climate" 	12-13 January, 2018	FACC (Lake Hall), BCKV	Member of Organizing Committee
3.	National Seminar on "Nutrients and pollutants in soil-plant-animal-human continuum for sustaining soil, food and nutritional security - way forward"	09-10 June, 2017	FACC (Lake Hall), BCKV	Member of Organizing Committee

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

- Junior Research Fellowship (All India Rank-29) of Indian Council of Agricultural Research, Govt. of India, New Delhi in 2008
- National Eligibility Test (NET) conducted by Agricultural Scientist Recruitment Board (ASRB), ICAR, New Delhi in 2010
- INSPIRE Fellowship of Department of Science & Technology, Govt. of India, New Delhi in 2011
- Senior Research Fellowship (for admission to Ph. D. programme in any State Agril. University in India) of Indian Council of Agricultural Research, Govt. of India, New Delhi in 2014
- Dr. S.D. Nijhawan Gold Medal (for securing highest OGPA in the discipline of Soil Science during M.Sc. programme) from CCS Haryana Agricultural University, Hisar in 2015.

- Best Oral Presentation Award in 1st Farm Innovation Congress (FIC), 2018 & National Conference on "Innovative Farming for Food and Livelihood Security in Changing Climate" held during 12-13 January, 2018 at FACC, BCKV, West Bengal.
- Young Scientist of the Year Award 2024 from Cooch Behar Association for Cultivation of Agricultural Sciences (COBACAS), UBKV, Pundibari
- Best Oral Presentation Award in National Conference on "Multidisciplinary Approaches for Sustainable Agriculture: Retrospects and Prospects" held during 24-25 February, 2025 organized by College of Agriculture, Uttar Banga Krishi Viswavidyalaya, Majhian, Dakshin Dinajpur

19. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY: Nil

20. PUBLICATIONS:

A. BOOKS: 03

- District-wise atlas of available micronutrients and sulphur status in soils of West Bengal (2025) GC Hazra, AK Shukla, SK Behera, S Saha, R Mishra, N Chatterjee, V Shukla, A Maji, AK Patra, BN Saha, A Ghosh Bag, B Pal. AICRP (ad-hoc Centre) on 'Micro- and Secondary Nutrients and Pollutant Elements in Soils and Plants', p. 330. ISBN No. 978-93-343-0340-7
- District-wise atlas of available micronutrients and sulphur status in soils of West Bengal (in Bengali language) (2025) GC Hazra, AK Shukla, SK Behera, S Saha, R Mishra, N Chatterjee, V Shukla, A Maji, AK Patra, BN Saha, A Ghosh Bag, B Pal. AICRP (ad-hoc Centre) on 'Micro- and Secondary Nutrients and Pollutant Elements in Soils and Plants', p. 325. ISBN No. 978-93-343-0637-8
- Textbook on Agricultural Microbiology (2023) B.N. Saha, S. Saha, P. D. Roy, R. Rakshit, N. Basak, M. Shamim. New India Publishing Agency (NIPA), p. 252. ISBN No. 9788119002481

B. RESEARCH PAPERS (Best 10)

- Mohanty, S., Saha, S., Saha, B. N., Asif, S.M., Poddar, R., Ray, M., Mukhopadhyay, S. K. and Hazra G. C. (2024) Substitution of fertilizer-N with biogas slurry in diversified rice-based cropping systems: Effect on productivity, carbon footprints, nutrients and energy balance. *Field Crops Research*, 307 109242: 1-14 (NAAS: 11.80)
- Saha, B. N., Saha, S., Roy, P. D., Fatima, A., Sahoo, S. K., Solankey, S. S., Singh, H. K., BasaK, P. & N. Basak (2023) Scheduling of Zn and B Fertilization for Brinjal (Solanum melongena L.): Impact on Yield, Nutrient Use Efficiency, and Fruit Quality. *Communications in Soil Science and Plant Analysis*, 54(18): 2551-2562 (NAAS: 7.80)
- Saha, B. N., Saha, S., Kumar, J. and Bairwa, R. (2022) Nutritional Enrichment of Tomato (Lycopersicon esculentum L.) through Zinc (Zn) and Boron (B) Fertilization. *Journal of Plant Nutrition*, 46 (09): 2155-2166 (NAAS: 8.10)
- iv) Saha, S., Saha, B. N., Mohanty, S., Ray, M., Hazra, G. C., Chatterjee, S. and Mukhopadhyay, S. K. (2020) Identifying suitable soil quality indicators in an Indian rice-wheat system as influenced by long-term (30 years) inorganic-organic fertilization. *Arch. Agron. Soil Sci.*, <u>https://doi.org/10.1080/03650340.2020.1851684</u> (NAAS: 8.40)
- v) Saha, B. N., Saha, S., Saha, S., Deb Roy, P., Bhowmik, A. and Hazra, G. C. (2020) Zinc (Zn) application methods influence Zn and iron (Fe) bioavailability in brown rice. *Cereal Res. Commun.*, 48: 293-299 (NAAS: 7.60)

- vi) Saha, S., Saha, B. N., Seth, T., Dasgupta, S., Ray, M., Pal, B., Pati, S. Mukhopadhyay, S. K. and Hazra, G. C. (2019). Micronutrients availability in soil-plant system in response to long-term integrated nutrient management (INM) under rice-wheat cropping system. Journal of Soil Science and Plant Nutrition., 19: 712-724 (NAAS: 9.90)
- vii) Saha, S., Saha, B. N., Ray, M., Mukhopadhyaya, S. K., Halder, P., Das, A., Chatterjee, S., and. Pramanick, M. (2018) Integrated nutrient management (INM) on yield trends and sustainability, nutrient balance and soil fertility in a long-term (30 years) rice-wheat system in the Indo-Gangetic plains of India. Journal of Plant Nutrition, 41 (18): 2365-2375 (NAAS: 8.10)
- viii) S Saha, B.N. Saha, G.C. Hazra, S. Pati, B. Pal, D. Kundu, A. Ghosh Bag, N. Chatterjee. (2018) Assessing the Suitability of Sewage-Sludge Produced in Kolkata, India for Their Agricultural Use. Proceedings of the Indian National Science Academy, 84 (3): 781-792 DOI: 10.16943/ptinsa/2018/49410 (NAAS: 7.20)
- ix) Saha, S., Hazra, G.C., Saha, B.N., and Mandal, B. (2015) Assessment of heavy metals contamination in different crops grown in long-term sewage-irrigated areas of Kolkata, West Bengal, India. Environmental Monitoring & Assessment, 187:4087: 1-12 DOI: 10.1007/s10661-014-4087-9 (NAAS: 9.0)
- X) Saha, B. N., Saha, S., Saha, R., Hazra, G.C., and Mandal, B. (2015) Influence of Zn, B and S on the yield and quality of groundnut (Arachis Hypogea L.). Legume Research, 38(6): 832-836 (NAAS: 6.80)

Dated: 21.05.2025

Sughanta Saha

Signature