

# RESUME

**NAME:** Dr. ARUP SEN

**DESIGNATION:** Assistant Professor

**CONTACTS:**

1. **OFFICIAL ADDRESS FOR CORRESPONDENCE:**

2. **PHONE :**           **Mobile:** 9641354606  
                              **WhatsApp:** 8017764042

3. **EMAIL :**           **Institutional:** sen.arup@bckv.edu.in  
                              **Alternative:** senarup777@gmail.com

4.**ORCID ID:** <https://orcid.org/0000-0002-3311-0498>

5.**GOOGLE SCHOLAR PROFILE:**

<https://scholar.google.com/citations?user=SHqAG6gAAAAJ&hl=en>

6.**RESEARCHGATE PROFILE:** <https://www.researchgate.net/profile/Arup-Sen>

7.**DATE OF BIRTH:** 10/08/1990

8.**DATE OF JOINING TO THE UNIVERSITY:** 16/10/2015



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**9. ACADEMIC PROFILE:**

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Agricultural Chemistry & Soil Science	B.C.K.V.	2024
MASTER'S	Agricultural Chemistry & Soil Science	B.C.K.V.	2014
BACHELOR'S	Agriculture	U.B.K.V.	2012

**10. EMPLOYMENT HISTORY:(Starting from present position)**

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Assistant Professor	B.C.K.V.	16.10.2016	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	Assistant Professor in Agricultural Chemistry and Soil Science at SSMP, BCKV	16.10.2016	Till date

**12. AREA OF RESEARCH : (Bulleted list)**

- Soil microbiology
- Soil fertility
- Soil chemistry

**13. COURSES ASSOCIATED WITH:**

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	CC 103	Environmental Studies and Disaster Management	2+1
	EC 261	Production and Use of Biofertilizer	2+1
	ACGP 203	Agricultural Microbiology	1+1
	EC 362	Agricultural Waste Management	2+1
	ELP 459	Biofertilizer Production and Marketing	0+10
POST GRADUATE	SOIL 507	Radioisotopes in soil and plant studies	1+1
	SOIL 512	Land degradation and restoration	1+0
Ph.D.	SOIL 606	Soil resource management	3+0

**14. NUMBER OF STUDENTS SUPERVISED:**

Master's.: 1

Doctoral: NIL

**15. PROJECT ACTIVITIES**

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1	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	Indian Council of Agricultural Research (ICAR)- Indian Institute of Agricultural Biotechnology	Ongoing (three years starting from 25.07.2014)	Co-PI

**16. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME ORGANIZED:****17. SEMINAR/ SYMPOSIUM/ WORKSHOP etc ORGANIZED:****18. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):**

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

**20. PUBLICATIONS**

**A. BOOKS**

**B. RESEARCH PAPERS (Best 10)**

1. **Sen, A.**, Saha, N., Sarkar, A., Poddar, R., Pramanik, K., & Kundu, R. (2024). Enhancing phosphorus availability and growth of green gram (*Vigna radiata*) in acidic red and laterite soil through liquid formulations of native phosphate-solubilizing bacteria. **Biocatalysis and Agricultural Biotechnology**, **61**, 103413. <https://doi.org/10.1016/j.bcab.2024.103413>. [NAAS rating: **10.00**]
2. **Sen, A.**, Saha, N., Sarkar, A., & Others. (2024). Assessing the effectiveness of indigenous phosphate-solubilizing bacteria in mitigating phosphorus fixation in acid soils. **3 Biotech**, **14**, 197. <https://doi.org/10.1007/s13205-024-04042-2>. [NAAS rating: **8.80**]
3. Barrow, N. J., Debnath, A., & **Sen, A.** (2023). Investigating the dissolution of soil phosphate. **Plant and Soil**, **490**, 591–599. <https://doi.org/10.1007/s11104-023-06102-7>. [NAAS rating: **10.90**]
4. Padhan, D., Rout, P. P., & **Sen, A.** (2023). Changes in land use practices influence soil sulfur fractions and their bioavailability. **Frontiers in Sustainable Food Systems**, **7**, 1233223. <https://doi.org/10.3389/fsufs.2023.1233223>. [NAAS rating: **10.70**]
5. **Sen, A.**, Banerjee, S., Poddar, R., & Balo, S. (2022). Effectiveness of three organic acids on phosphorus solubilization in some acid soils of eastern India. **Communications in Soil Science and Plant Analysis**. <https://doi.org/10.1080/00103624.2022.2137186>. [NAAS rating: **7.80**]
6. Barrow, N. J., Debnath, A., & **Sen, A.** (2022). Effect of phosphate sorption on soil pH. **European Journal of Soil Science**, **73**(1), e13172. <https://doi.org/10.1111/ejss.13172>. [NAAS rating: **10.20**]
7. Barrow, N. J., Debnath, A., & **Sen, A.** (2020). Measurement of effect of pH on phosphate availability. **Plant and Soil**. <https://doi.org/10.1007/s11104-020-04647-5>. [NAAS rating: **10.90**]
8. Barrow, N. J., Debnath, A., & **Sen, A.** (2020). Effect of pH and prior treatment with phosphate on the rate and amount of reaction of soils with phosphate. **European Journal of Soil Science**. <https://doi.org/10.1111/ejss.12968>. [NAAS rating: **10.20**]
9. Barrow, N. J., **Sen, A.**, Roy, N., & Debnath, A. (2020). The soil phosphate fractionation fallacy. **Plant and Soil**. <https://doi.org/10.1007/s11104-020-04476-6>. [NAAS rating: **10.90**]
10. Barrow, N. J., Debnath, A., & **Sen, A.** (2017). Mechanisms by which citric acid increases phosphate availability. **Plant and Soil**. <https://doi.org/10.1007/s11104-017-3490-8>. [NAAS rating: **10.90**]



21.02.2025  
Signature with Date