RESUME

NAME: Dr. Kaushik Batabyal

DESIGNATION: Assistant Professor

CONTACTS:

1. **OFFICIAL ADDRESS FOR CORRESPONDENCE:**

2. **PHONE : Mobile: 8348609944**
   WhatsApp: 8348609944
3. **EMAIL : Institutional: batabyal.kaushik@bckv.edu.in**
   Alternative: kbatabyal@rediffmail.com
4. **ORCID ID: 0009-0005-9821-4086**
5. **GOOGLE SCHOLAR PROFILE: Citation-428; h-index-11; i10-index-13**
6. **RESEARCHGATE PROFILE: Research interest score-467.8; citation-398; h-index-10**
7. **DATE OF BIRTH: 10/01/1983**
8. **DATE OF JOINING TO THE UNIVERSITY: 02/06/2014**

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9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D. in Agril. Chemistry and Soil Science	B.C.K.V., W.B.	2011
MASTER'S	M.Sc. (Ag.) in Agril. Chemistry and Soil Science	U.A.S., Bangalore	2007
BACHELOR'S	B.Sc. (Ag.) Hons. in Agriculture	B.C.K.V., W.B.	2005

10. EMPLOYMENT HISTORY: (Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Assistant Professor	B.C.K.V., W.B.	02.06.2014	continuing
Assistant Professor	College of Agriculture, Tripura	2011	2014

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

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1.	Assistant Registrar-II	01.11.2024	continuing
2.	Provost, Netaji Abas, BCKV, Kalyani	09.10.2023	continuing
3.	Provost, Aurobinda Abas, BCKV, Kalyani	03.01.2017	2022

12. AREA OF RESEARCH : (Bulleted list)

- **Soil fertility and nutrient management in cereals and vegetable crops**
- **GHG emission measurement in paddy field**
- **Micronutrient analysis in soil and mapping**
- **Soil quality assessment**
- **Soil carbon and nitrogen sequestration**
- **Conservation agriculture**

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	CC-106	Environmental studies and disaster management	2+1
	Hort-108	Sprinkler and Micro irrigation system	1+1
POST GRADUATE			
M.Sc.	SOIL-501	Soil physics	2+1
	SOIL-505	Soil erosion and conservation	2+1
	SOIL-510	Analytical technique and instrumental methods in soil and plant analysis	0+2
	SOIL-513	Soil survey and land use planning	2+0
Ph.D.	SOIL-605	Biochemistry of soil organic matter	2+0
	SOIL-606	Soil resource management	3+0

14. NUMBER OF STUDENTS SUPERVISED:

Master's: Nine (09) M.Sc. students (eight are awarded and one is continuing)
Doctoral: Five (5) Ph.D. students (three are awarded and two are continuing)

15. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1.	Assessing the potential impact of climate change and management on soil carbon and nitrogen storage in selected ecosystems of India	National Agricultural Science Fund (NASF), ICAR, New Delhi, Govt. of India	Completed	As PI
2.	Study on impact of indiscriminate use of chemical fertilizers and pesticides	Ministry of Agriculture and Farmer's Welfare,	Completed	As Co-PI

		Govt. of India		
3.	**Centre for Advanced Agricultural Science and Technology (CAAST) on Conservation Agriculture**	**National Agricultural Higher Education Project (NAHEP), ICAR, New Delhi, Govt. of India**	**Completed**	**As 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 "Carbon management in soil through resource conservation technology-issues and strategies"**	**2nd November, 2019**	**Farmers' Academy and Convention Centre, BCKV, Kalyani**	**As Co-Pi of the project**
2.	**National Conference on "Innovative farming for food and livelihood security in changing climate" jointly organized by Innovative Farming Society for Advancement of Agricultural Innovations and AICRP on STCR, BCKV**	**12-13th January, 2018**	**Farmers' Academy and Convention Centre, BCKV, Kalyani**	**Acted as rapporteur**
3.	**National Seminar on "Nutrients and pollutants in soil-plant-animal-human continuum for sustaining soil, food and nutritional security - way forward" organized by Bidhan Chandra Krishi Viswavidyalaya (BCKV) in collaboration with National Academy of Agricultural Sciences, New Delhi**	**June 9-10, 2017**	**Farmers' Academy and Convention Centre, BCKV, Kalyani**	**Acted as Treasurer**

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

- Awarded with **2nd best presentation award** for oral presentation of a research paper in the 10th Annual Convention and National Webinar organized by Society for Fertilizers and Environment held on March 24, 2023
- Awarded with "Best Poster presentation award (First)" for presentation of a paper in the National Seminar organized by Society for Fertilizers and Environment and BCKV on August 27, 2020

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

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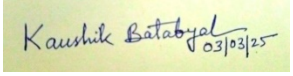
20. PUBLICATIONS

A. BOOKS

B. RESEARCH PAPERS (Best 10)

1. Mal S, Sarkar D, Mandal B, Basak P, Debnath S, Chattopadhyay A, **Batabyal K**, Pramanik K (2025) Improving quality of tomato (Solanum lycopersicum L.) fruits for fresh consumption and processing with optimised boron application. Journal of Food Composition and Analysis. 140: 107255. DOI: https://doi.org/10.1016/j.jfca.2025.107255.
2. Debnath S, Saha S, Biswas T, Mal S, **Batabyal K**, Sarkar D, Yadav SL, Bhattacharjee T, Chakraborty M, Chattopadhyay A, Mandal B (2024) Trace elements profiling of hyacinth bean (Lablab purpureus var. typicus L.): A rational screening of the breeding lines for biofortification programs. South African Journal of Botany, 167: 40-47. https://doi.org/10.1016/j.sajb.2024.02.010.
3. Debnath S., Saha S., Mandal B., Sarkar D., Chattopadhyay A., Mukherjee D., **Batabyal K.**, Murmu S., Nath R., Mishra D.K., and Sinha K. (2022) Zinc and Iron Profiling in Some Commonly Consumed Food Crops Uncovers Inter− and Intra‐crop Variation. Journal of Soil Science and Plant Nutrition. https://doi.org/10.1007/s42729-022-00770-7
4. Debnath S., Mandal B., Saha S., Sarkar D., **Batabyal K.**, Murmu S., Patra B.C., Mukherjee D., and Biswas T. (2021) Are the modern-bred rice and wheat cultivars in India inefficient in zinc and iron sequestration? Environmental and Experimental Botany 189: 104535, doi.org/10.1016/j.envexpbot.2021.104535.
5. Seth A., Sarkar D., Masto R.E., **Batabyal K**., Saha S., Murmu S., Das R., Padhan D., Mandal B. (2018) Critical limits of Mehlich 3 extractable phosphorous, potassium, sulfur, boron and zinc in soils for nutrition of rice (Oryza sativa L.) Journal of soil science and plant nutrition 18 (2):512-523.
6. Saha S., Chakraborty M., Sarkar D., **Batabyal K.**, Mandal B., Murmu S., Padhan D., Hazra G.C., and Bell R.W. (2017) Rescheduling zinc fertilization and cultivar choice improve zinc sequestration and its bioavailability in wheat grains and flour. *Field Crops Research* 200, 10-17.
7. Saha S., Chakraborty M., Padhan D., Saha B., Murmu S., **Batabyal K.**, Seth A., Hazra G.C., Mandal B., Bell R.W. (2017) Agronomic biofortification of zinc in rice: Influence of cultivars and zinc application methods on grain yield and zinc bioavailability. *Field Crops Research* 210, 52-60.
8. **Batabyal K.**, Mandal B., Sarkar D., Murmu S., Tamang A., Das I., Hazra G.C., Chattopadhyay P.S. (2016) Comprehensive assessment of nutrient management technology for cauliflower production under subtropical conditions. European Journal of Agronomy. 79: 1-13.
9. **Batabyal K**., Mandal B., Hazra G.C. (2016) Nutrient Management, Energy Input–Output, and Economic Analyses of Eggplant Production Under Subtropical Conditions. International Journal of Vegetable Science 22 (4): 409-419.
10. **Batabyal K.**, Sarkar D., Mandal B. (2015) Critical Levels of Boron in Soils for Cauliflower (Brassica oleracea Var. Botrytis). Journal of plant nutrition 38 (12), 1822-1835.



Signature with Date