

**Name** Dr. FEROZE HASAN RAHMAN  
**Date of Birth** 27.11.1970  
**Designation** Principal Scientist & Head  
**Qualification(s)** Ph.D. (Agricultural Chemistry & Soil Science)  
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### **Educational Qualifications**

- Ph.D. (Agril Chemistry & Soil Science) ,B.C.K.V- 2001
- M.Sc. (Ag.) in Agril Chemistry & Soil Science, B.C.K.V- 1996
- B. Sc. (Ag.) Hons, B.C.K.V- 1993

### **Professional Experiences**

- Assistant Professor at SKUAST-K, J&K, 25.05.2001 - 07.04.2007
- Senior Scientist at ICAR- CRIJAF, Barrackpore, 10.04.2007 - 30.11.2012
- Senior Scientist at ICAR- ATARI, Kolkata, 01.12.2012 - 09.04.2013
- Principal Scientist at ICAR- ATARI, Kolkata, 10.04.2013 - 22.06.2023
- Principal Scientist & Head at ICAR-NBSS&LUP, R.C. Kolkata, 23.06.2023 – Till date

### **Research Areas**

- Natural Resource Management
- Climate Change
- Soil Chemistry
- Soil Fertility
- Crop Management
- Natural Farming
- Agricultural Extension and Livelihood Improvement

### **Awards**

- Best NREGA Award for Excellence from Govt. of India in 2010
- Best Extension Professional Award by Society of Extension Education at Goa in 2011
- Young Scientist Award 2014 by Society of Extension Education at Shillong in 2014
- Fellow of Indian Society of Extension Society New Delhi at Gwalior in 2016
- Fellow of Society of Extension Education at Gangtok in 2018
- Fellow of Himalayan Scientific Society for Fundamental & Agricultural Research at Kalimpong in 2022
- Best Paper Presentation in two International and two National Conferences

### **Honours/Recognitions**

- Executive Council Member of Uttar Banga Krishi Viswavidyalaya, Coochbehar
- Member of Research Advisory Committee of National Tea Research Foundation (Tea Board)
- Expert Member of B.O.S. of The Neotia University
- Lead Speakers in one International and three National Conferences
- Member of Editorial Board of two International Journals (IJPSS & IJECC)
- Member Secretary of Quinquennial Review Team of ICAR - ATARI Kolkata & Patna
- Member of State Level Steering Committee of WB on 'Integrated Farming Cluster' Project under National Rural Livelihood Mission
- Adviser Expert of Public Service Commission, Govt. of WB for selection of various posts
- Adviser Expert of Psychology Department of ISI, Kolkata for selection of Research Fellows
- Member Secretary of NICRA Zonal Monitoring Committee, Zone V
- Member Secretary of Institute Management Committee of ICAR- ATARI, Kolkata
- Secretary of two Scientific Societies – i. Indian Society of Soil Science Kolkata Chapter.  
ii. Society for Fertilizers and Environment.
- Contributing author for Policy Paper for overall development of Agriculture and allied sectors of Lower Gangetic Plains Region.

| Ten Best Research Papers along with NAAS Rating- 2023 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |             |
|-------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| S.N.                                                  | Publications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | NAAS Rating |
| 1                                                     | Harisadhan Malakar, Gagan Timsina, Jintu Dutta, Arup Borgohain, Diganta Deka, Azariah Babu, Ranjit Kumar Paul, Md. Yeasin, <b>Feroze Hasan Rahman</b> , Saumik Panja and Tanmoy Karak. (2022). Sick or rich: Assessing the selected soil properties and fertility status across the tea growing region of Dooars, West Bengal, India. <i>Frontiers in Plant Science</i> . Vol 13, pp:1-22. DOI 10.3389/fpls.2022.1017145. December 2022.                                                                                                                                                                                                                                                   | 12.63       |
| 2                                                     | Arup Borgohain, Mridusmita Sarmah, Bidyot Bikash Gogoi, Kaberi jyoti Konwar, Jyotirekha G. Handique, Ranjit Kumar Paul, Md. Yeasin, Versha Pandey, Ranu Yadav, Harisadhan Malakar, Jiban Saikia, Diganta Deka, <b>Feroze Hasan Rahman</b> , Saumik Panja, Puja Khare, Tanmoy Karak. (2023). Can tea pruning litter biochar be a friend or foe for tea ( <i>Camellia sinensis</i> L.) plants' growth and growth regulators?: Feasible or fumes of fancy. <i>Industrial Crops and Products</i> , 195, 116394. <a href="https://doi.org/10.1016/j.indcrop.2023.116394">https://doi.org/10.1016/j.indcrop.2023.116394</a>                                                                      | 12.45       |
| 3                                                     | Dibyendu Sarkara, Lohit K. Baishya, Ch. Bungbungcha Meiteia, Gulleibi Chanu Naorema, Repahini Chanu Thokchoma, Jogendra Singha, S. Bhuvaneswaria, Kaushik Batabyalc, Ruma Das, Dhaneshwar Padhan, Narendra Prakasha, <b>Feroze H. Rahman</b> . (2018). Can sustainability of maize-mustard cropping system be achieved through balanced nutrient management?. <i>Field Crops Research</i> , 225 (2018): 9 – 21                                                                                                                                                                                                                                                                             | 12.15       |
| 4                                                     | Chattaraj, S., Daripa, A., Reza, S. K., Ghosh, B. N., Majhi, S., Mallick, D., ... & Rahman, F. H. (2025). Soil texture and lithological discontinuity mapping for sustainable land use planning: An application of digital soil mapping in a part of Eastern Himalayan Foothills, India. <i>Catena</i> , 258, 109253.                                                                                                                                                                                                                                                                                                                                                                      | 11.70       |
| 5                                                     | K. Sammi Reddy, Ch. Srinivasarao, V. Girija Veni, J.V.N.S. Prasad, K. L. Sharma, K. Sumanta, Ch. Chandrasekhar, Jha. Ratnesh Kumar, S. K. Choudhary, Deokaran, S.K. Mishra, Nityanand, Shobha Rani, V.K. Singh, L.K. Das, A. Bin Ekka, Sanjay Kumar, Ranjay Kumar, Biswas Sujana, P.K. Gangopadhyay, M. N. Jyoti, Ram N, <b>F. H. Rahman</b> , Anjani Kumar, S.S. Singh & A.K. Singh. (2020) Mitigation strategies to enhance carbon sink potential in climate vulnerable districts of Eastern India. <i>Climate and Development</i> , <a href="https://doi.org/10.1080/17565529.2020.1780190">https://doi.org/10.1080/17565529.2020.1780190</a> . Volume 13, 2021. Issue 4. Pages 360-373 | 10.65       |
| 6                                                     | Sudipa Mal, Dibyendu Sarkar, Biswapati Mandal, Piu Basak, Ritesh Kundu, Deblina Ghosh, Joy Dutta, Shovik Deb, <b>Feroze H. Rahman</b> . (2023). Determination of Critical Concentrations of Boron in Soils and Leaves of Tomato ( <i>Lycopersicon esculentum</i> L.) using Polynomial Equation. <i>Journal of Soil Science and Plant Nutrition</i> . <a href="https://doi.org/10.1007/s42729-023-01323-2">https://doi.org/10.1007/s42729-023-01323-2</a> .                                                                                                                                                                                                                                 | 9.61        |
| 7                                                     | Chattaraj, A., Daripa, A., Chattaraj, S., Reza, S. K., Dey, S., Paul, S., ... & Rahman, F. H. (2025). Potential Soil Loss Estimation Using Machine Learning and Geospatial Technology in Part of the Eastern Plateau and Hill Region of West Bengal. <i>Journal of the Indian Society of Remote Sensing</i> , 53(10), 3317-3337.                                                                                                                                                                                                                                                                                                                                                           | 8.20        |
| 8                                                     | Piu Basak, Dibyendu Sarkar, Biswapati Mandal, Sudipa Mal, Samrat Adhikary, Ritesh Kundu, Joy Dutta, Shovik Deb & <b>Feroze H. Rahman</b> . (2022). Determination of Critical Concentrations of Boron in Soils and Plants of Cauliflower ( <i>Brassica oleracea</i> var. <i>botrytis</i> L.) Using a Polynomial Equation <i>Communications in Soil Science and Plant Analysis</i> , Vol. 1-12. 2022 53(18). 2388-2399                                                                                                                                                                                                                                                                       | 7.58        |
| 9                                                     | Sarathi Saha, Saon Banerjee and <b>F. H. Rahman</b> (2023). Assessing the Impact of Temperature and Rainfall on Mustard Yield through detrended Production Index <i>Mausam</i> (accepted)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 6.91        |
| 10                                                    | <b>F. H. Rahman</b> , S. Mukherjee, N. K. Bej and S. Das. (2020). Assessment of Bio Fungicides to Control Blast in Rice In Red And Lateritic Belt of Paschim Medinipur District of West Bengal. <i>Indian Journal of Extension Education</i> Vol. 57, No.32, 2020. 226-229                                                                                                                                                                                                                                                                                                                                                                                                                 | 5.95        |

#### Total Publications (Peer- reviewed journals only):

International: 47

National: 45

Google Scholar Link: <https://scholar.google.co.in/citations?user=9q3ncwwAAAAJ&hl=en>

Research Gate link: <https://www.researchgate.net/profile/Feroze-Rahman>