

Name Dr. Sah Kausar Reza
Date of birth 10.10.1977
Designation Senior Scientist
Qualification Ph.D. (Soil Science and Agricultural Chemistry)
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Educational Qualifications

- Ph.D. (Soil Science and Agricultural Chemistry) from Indian Agricultural Research Institute (IARI), New Delhi
- M.Sc. (Soil Science and Agricultural Chemistry) from Indian Agricultural Research Institute IARI), New Delhi
- B.Sc. (Agriculture) from Uttar Banga Krishi Vishwavidyalaya, Cooch Behar, West Bengal

Professional Experience

- Serving as a Soil Scientist (Pedology) and having 15 years of experience in soil survey, mapping and land use planning. During this period carried out various land resources inventory projects in North eastern and Eastern regions of India. Worked in different externally funded project like geo-referenced soil information system (NAIP), nutrient mapping of Sikkim and Nagaland state and 23 NFSM district of Assam funded by state departments. I am currently working as a Senior Scientist at ICAR-National Bureau of Soil Survey and Land Use Planning, Regional Centre, Kolkata on different institute and consultancy projects, namely, "REWARD, Odissa" funded by the World Bank and "LRI of Cinchona growing area in West Bengal" funded by the Government of West Bengal.

Research Areas

- Land Resource Inventory
- Land Evaluation and Land Use Planning;
- Spatial Variability Analysis;
- Geostatistics

International Experience

- Participate in capacity building workshop on "Using Climate Scenarios and Analogues for Designing Adaptation Strategies in Agricultures" in Kathmandu, Nepal, Climate Change, Agriculture and Food Security (CCAFS), CGIAR (2011).

Awards

- IARI Junior Research fellowship (2002-2004).
- IARI Senior Research fellowship (2004-2007).
- Best poster award during National Convention of the Indian Society of Soil Survey and Land Use Planning, Nagpur (2010).
- Outstanding Scientist Award from ICAR-National Bureau of Soil Survey and Land Use Planning, Nagpur (2016).

Honours/Recognitions

- Councillor for Eastern zone of Indian Society of Soil Survey and Land Use Planning, Nagpur for the period 2011-2012.
- Treasures of Indian Society of Soil Science, Kolkata Chapter for the period 2014-2016 and 2016-2018.
- Member of Editorial Board as Review Editor of Soil Science of Pantnagar Journal of Research. Councillor for East zone of The Clay Minerals Society of India for the year 2022-2023.

Ten Best Research Papers along with NAAS Rating-2022

SNo	Publication	NAAS Rating
1.	Reza, S.K., Alam, N.M., Mukhopadhyay, S., Nayak, D.C., Sahoo, A.K., Singh, S.K., Dwivedi, B.S., Maurya, D. and Mukhopadhyay, J. 2022. Quantification of soil quality index using pedo-morphological data of alluvial soils of indo-gangetic plains, India. Archives of Agronomy and Soil Science. https://doi.org/10.1080/03650340.2022.2067982	9.09
2.	Reza, S.K., Ray, P., Alam, N.M., Mukhopadhyay, S., Singh, S.K. and Ray, S.K. 2022. Soil properties-landform relationship in Purvanchal range of Tripura, Northeastern India: An implication of pedogenesis. Journal of the Geological Society of India, 98:402-410. https://doi.org/10.1007/s12594-022-1992-3 .	7.46
3.	Reza, S.K., Kumar, N., Ramachandran, S., Mukhopadhyay, S., Singh, S.K., Dwivedi, B.S. and Ray, S.K. 2021. Geo- spatial analysis for horizontal and vertical variability of bulk density, particle- size distribution and soil moisture content in Tripura, Northeastern India. Arabian Journal of Geosciences, 14:2734. https://doi.org/10.1007/s12517-021-09151-3 .	7.83
4.	Reza, S.K., Baruah, U., Nayak, D.C., Dutta, D. and Singh, S.K. 2018. Effects of land-use on soil physical, chemical and microbial properties in humid subtropical Northeastern India. National Academy Science Letters, 41(3):141-145. https://doi.org/10.1007/s40009-018-0634-1 .	6.79
5.	Reza, S.K., Nayak, D.C., Mukhopadhyay, S., Chattopadhyay, T. and Singh, S.K. 2017. Characterizing spatial variability of soil properties in alluvial soils of India using geostatistics and geographical information system. Archives of Agronomy and Soil Science, 63(11):1489-1498. https://doi.org/10.1080/03650340.2017.1296134	9.09
6.	Reza, S.K., Baruah, U., Sarkar, D. and Singh, S.K. 2016. Spatial variability of soil properties using geostatistical method: a case study of lower Brahmaputra plains, India. Arabian Journal of Geosciences, 9:446. https://doi.org/10.1007/s12517-016-2474-y	7.83
7.	Reza, S.K., Nayak, D.C., Chattopadhyay, T., Mukhopadhyay, S., Singh, S.K. and Srinivasan, R. 2016. Spatial distribution of soil physical properties of alluvial soils: a geostatistical approach. Archives of Agronomy and Soil Science, 62(7):972-981. https://doi.org/10.1080/03650340.2015.1107678	9.09
8.	Reza, S.K., Baruah, U., Singh, S.K. and Das, T.H. 2015. Geostatistical and multivariate analysis of soil heavy metal contamination near coal mining area, Northeastern India. Environmental Earth Sciences, 73:5425-5433. https://doi.org/10.1007/s12665-014-3797-1	8.78
9.	Reza, S.K., Baruah, U., Chattopadhyay, T. and Sarkar, D. 2014. Distribution of forms of potassium in relation to different agroecological regions of North-Eastern India. Archives of Agronomy and Soil Science, 60(4):507-517. https://doi.org/10.1080/03650340.2013.800943	9.09
10.	Reza, S.K., Baruah, U. Nath, D.J., Sarkar, D. and Gogoi, D. 2014. Microbial biomass and enzyme activity in relation to shifting cultivation and horticultural practices in humid subtropical North-eastern India. Range Management and Agroforestry, 35(1):78-84	6.37

Total Publications (Peer-reviewed journals only):

International:13

National:50

Google Scholar link: https://scholar.google.com/citations?user=_QYZLHUAJ&hl=en

Research Gate link: https://www.researchgate.net/profile/Sk_Reza3