

Ranajit Ghosh

Designation : State Aided College Teacher-I, Department of Geography,
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Qualification : M.A. in Geography



Research Details: Ph. D (Pursuing) at Raiganj University, University Road, Raiganj, Uttar Dinajpur - 733134, West Bengal, India

Research Interest:

- Groundwater quality and quantity assessment
- Flood susceptibility study
- Application of Remote sensing & GIS technique
- Environmental quality assessment
- Socio – Economic Status and poverty related study

Teaching Experience: 03 Years

Administrative Experience:

H.O.D.: Department of Geography, Suri Vidyasagar College, Suri, Birbhum, West Bengal, India.
(From 01.11.2020 to till date)

LIST OF PUBLICATIONS:

[A] Chapter in a Book:

- i. Applicability of Geospatial Technology, Weight of Evidence, and Multilayer Perceptron Methods for Groundwater Management: A Geoscientific Study on Birbhum District, West Bengal, India. In: Shit P.K., Bhunia G.S., Adhikary P.P., Dash C.J. (eds) Groundwater and Society. Springer, Cham. Pp – 473-499, March 2021, ISBN - 978-3-030-64136-8, DOI: https://doi.org/10.1007/978-3-030-64136-8_22
- ii. Identification of Groundwater Potential Zones Using Multi-influencing Factors (MIF) Technique: A Geospatial Study on Purba Bardhaman District of India. In: Adhikary P.P., Shit P.K., Santra P., Bhunia G.S., Tiwari A.K., Chaudhary B.S. (eds) Geostatistics and Geospatial Technologies for Groundwater Resources in India. Springer Hydrogeology. Springer, Cham. Pp – 193-213, March 2021, ISBN -978-3-030-62397-5, DOI: https://doi.org/10.1007/978-3-030-62397-5_10
- iii. Assessment of Groundwater Quality in Bankura District: A Multivariate Statistical Approach, In: Haque Sk. Mafizul (eds) ISSUES IN RESOURCE UTILIZATION, Edited Volume ISBN 978-9388207-30-0 2019

[B] Research Papers:

International:

- i. Identification of Determinant Factors for the Development of C.D. Blocks in Birbhum District: A Multivariate Statistical Approach, *Online International Interdisciplinary Research Journal*, ISSN - 2249 – 9598, Maharashtra; Vol. -8/ Issue - 06/ Sept-Oct 2018
- ii. Assessment of the quality of the health in Rural Areas of Purba Bardhaman District, West Bengal, India: A quantitative approach, *Research Journal of Humanities and Social Sciences*, ISSN (Online) - 0975 – 6795 & ISSN (Print) - 2321 – 5828, A and V Publications, Raipur, Chattishgarh, Vol.- 9/ Issue – 4/ Oct-Dec. 2018
- iii. Groundwater quality assessment using multivariate statistical technique and hydro-chemical facies in Birbhum District, West Bengal, India, *SN Appl. Sci.* 1, 825 (2019). <https://doi.org/10.1007/s42452-019-0841-5>
- iv. Assessment of variation of land use/land cover and its impact on land surface temperature of Asansol subdivision. *The Egyptian Journal of Remote Sensing and Space Science*, Available online 15 May 2020. <https://doi.org/10.1016/j.ejrs.2020.05.001>
- v. Application of DRASTIC model for assessing groundwater vulnerability: a study on Birbhum district, West Bengal, India. *Model. Earth Syst. Environ.* (2020). <https://doi.org/10.1007/s40808-020-01047-7>
- vi. The response of groundwater to multiple concerning drivers and its future: a study on Birbhum District, West Bengal, India. *Appl Water Sci* 11, 79 (2021). <https://doi.org/10.1007/s13201-021-01410-8>
- vii. Asymmetric nexus between air quality index and nationwide lockdown for COVID-19 pandemic in a part of Kolkata metropolitan, India, *Urban Climate*, Volume 36, 2021, 100789, ISSN 2212-0955, <https://doi.org/10.1016/j.uclim.2021.100789>