



HIRALAL BHAKAT COLLEGE

A Govt. Aided Degree College
Affiliated to the University of Burdwan



DR. Niladri Das

Assistant Professor in Geography

Dr. Niladri Das is an Assistant Professor in the department of Geography of HiralalBhakat College, Nalhafi, Birbhum, West Bengal. He has completed his Ph.D from Visva-Bharati, Santiniketan in 2017. He attended so many national and international seminar to contribute his research thought. He wrote a book on Cartography in Bengali version which help students to learn digital mapping through hands on practice. He has keen interest in groundwater hydrology, digital mapping and remote sensing that's why he is now engaged to do research on different aspects of groundwater hydrology and most of his research published on SCOPUS and Web of Science indexing international journals. His most recent research on COVID 19 pandemic and air pollution entitled "Asymmetric nexus between air quality index and nationwide lockdown for COVID-19 pandemic in a part of Kolkata metropolitan, India" has been taken by WHO in their database. For the learning purpose Dr. Das has created a YouTube channel named **World of Geography, HiralalBhakat College** which helps to revisit his class not for the students of his own college but also other colleges in West Bengal.

DATE OF JOINING

07.07.2020

EXPERIENCE

- Worked as guest lecturer in HiralalBhakat College from 2010 to 2018
- Assistant Professor in HiralalBhakat College from 2020 to onward

AREA OF TEACHING

Practical geography, physical geography, remote sensing and GIS

ACADEMIC QUALIFICATION

M.A. in Geography from Visva-Bharati, Santiniketan in 2010; Ph.D from Visva-Bharati, Santiniketan in 2017

AREA OF SPECIALIZATION/ MAJOR RESEARCH THRUST

- Remote Sensing and GIS
- Hydrology
- Statistics

PROJECT UNDERTAKEN

NA

FIVE MAJOR AWARDS/RECOGNITIONS (IF ANY)

NA

FIVE MAJOR PUBLICATIONS

1. 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 Sciences (**Elsevier**), **2020**, ISBN: **1110-9823**, DOI **10.1016/j.ejrs.2020.05.001**

2. Application of DRASTIC model for assessing groundwater vulnerability: a study on Birbhum district, West Bengal, India, Modeling Earth Systems and Environment (**Springer**), **2020**, ISSN: **2363-6203**, DOI **10.1007/s40808-020-01047-7**

3. Delineation of groundwater potential zones using MIF and AHP models: A micro-level study on Suri SadarSubDivision, Birbhum District, West Bengal, India, Groundwater for Sustainable Development (**Elsevier**), **2021**, ISSN: **2352- 801X**, DOI

CONTACT

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Vill+P.O.- Ahmadpur, Dist- Birbhum; Pin- 731201

HOBBIES: Gardening, Listening soft music, travelling

10.1016/j.gsd.2021.100547

4. Asymmetric nexus between air quality index and nationwide lockdown for COVID-19 pandemic in a part of Kolkata metropolitan, India, Urban climate (Elsevier), 2021, ISSN: 2212- 0955, DOI 10.1016/j.uclim.2021.100789

5. The response of groundwater to multiple concerning drivers and its future: a study on Birbhum District, West Bengal, India, Applied Water Science (Springer), 2021, ISSN 2190- 5487, DOI 10.1007/s13201-021-01410-8

FIVE MAJOR BOOKS/ BOOK CHAPTERS

1. Cartography: Concept and Application, Kalyani Publishers, New Delhi, ISBN: 978-93-272-9696-9 (First edition), 2018

2. Cartography: Concept and Application, Kalyani Publishers, New Delhi, ISBN: 978-93-5359-839-6 (First edition), 2019

3. Wetland Hydrology and its Impact on Society and Economy, Blue rose publishers, New Delhi, ISBN:9789353476663, 2019

4. Applicability of Geospatial Technology, Weight of Evidence, and Multilayer Perceptron Methods for Groundwater Management: A Geoscientific Study on Birbhum District, West Bengal, India, Groundwater and Society Applications of Geospatial Technology, Springer, ISBN 978- 3-030- 64136-8, 2021

5. Identification of Groundwater Potential Zones Using Multiinfluencing Factors (MIF) Technique: A Geospatial Study on PurbaBardhaman District of India, Geostatistics and Geospatial Technologies for Groundwater Resources in India, Springer, ISBN 978- 3-030- 62397-5, 2021

Research Gate Id

<https://www.researchgate.net/profile/Niladri-Das-3>

Google scholar Id

<https://scholar.google.com/citations?user=HGb2p0EAAA&hl=en>

Orcid Id

<https://orcid.org/0000-0003-2032-7855>

ADDITIONAL INFORMATION/ACHIEVEMENT

1. Completed one month GIS short course from National Atlas Thematic Mapping Organization, Kolkata in 2012
2. Completed one week GPS short course from National Atlas Thematic Mapping Organization, Kolkata in 2013
3. Act as a Resource Person in "Two Days State Level Workshop on Learning of QGIS" organized by Department of Geography, Malda College in 2020.
4. Act as a Resource Person in "One day state Level Webinar on Remote Sensing and GIS" Organized by Department of Geography and IQAC, P.N. Das College in collaboration with Department of Geography and IQAC, Netaji Satabarshiki Mahavidyalaya, Kolkata in 2021.
5. Act as a Resource Person in "An Introductory QGIS (open access software) Application" Organized by Krishnagar Women's College, Krishnagar Nadia in 2021.
6. Act as a Resource Person in "Introduction of Geospatial Technology and Mapping Using Q-GIS Software" Organized by organized by the Dept. of Geography, Kalyani University, Kalyani, Nadia in 2022.
7. Act as a Resource Person in two days lecture at Dugapur Women's College, Durgapur in 2022.



8. Act as a Resource Person in Workshop on -Q-GIS and GPS from 14th November to 18th November,2022 for 3rd Semester students at Kanyashree University, Krishnagar Nadia in 2022.
9. Act as a Resource Person in two days lecture at Kalyani Mahavidalaya, Kalyani, Nadia in 2022.