

# BIRAJ KANTI MONDAL

## ASSISTANT PROFESSOR

### ACADEMIC QUALIFICATION:

- ✓ Ph.D. (Science)- University of Calcutta- 2013
- ✓ M.Sc. (Geography) - University of Calcutta- 2006
- ✓ B.Sc. (Geography Hons.)- Asutosh College, University of Calcutta-2004



### TEACHING EXPERIENCES

**Netaji Subhas Open University, Assistant Professor of Geography**  
10.04.2015 – Present

**Netaji Subhas Open University, Lecturer in Geography**  
19.01. 2009 – 09.04.2015

**Benapur Chandanapara High School, Assistant Teacher**  
01.09.2006 – 15.01.2009

### AWARDS AND FELLOWSHIPS

- 1<sup>st</sup> position in the Certificate Course in Remote Sensing & GIS organized by Department of Science & Technology (DST), West Bengal, 2016.
- University Rank holder in Geography (Honours & M.Sc.).
- 1<sup>st</sup> position in the *Carrom (single)* category, organized by Students' Geographical association, University of Calcutta, 2004-05.
- Winner position in debate, organized by Students' Geographical association, University of Calcutta, 2005-06.
- 1<sup>st</sup> position in Recitation Event in Vivekananda Sammelan & National Youth Day, organized jointly by Ramkrishna Mission Vidyamandir & Ramkrishna Mission Vidyamandir Alumni Association, South 24 Parganas, 2001.
- District scholarship (third position), primary school level, South 24 Parganas district, West Bengal.

### RESEARCH INTERESTS, FUNDED PROJECT & EXPERIENCE

- ✓ **Research Interest**
- Application of Geoinformatics on various environmental Issues
- Sustainable Environmental Planning and Management
- Climate Changes and related Environmental Vulnerability Issues
- Ground water dynamics, Wetland studies
- Impact of River dynamics and changes of landscape
- Dynamics and Development of Sundarbans
- Rural Development, Participatory Rural Appraisal
- Regional Planning and Development, Transport Analysis
- Urban Dynamics, Human development

### BRIEF

My prime research fields are Application of Geoinformatics in Landscape & Environmental issues, Resource Management, Climate Change, Regional development, Transport and Urban studies. Currently I am working on Groundwater & Forest dynamics, Drainage & Coastal research.

### CONTACT

DEPARTMENT: GEOGRAPHY

SCHOOL OF STUDIES:  
School of Sciences

DATE OF JOINING: 10<sup>th</sup> April, 2015

ADDRESS:  
School of Sciences, Kalyani R.C., Kalyani  
Ghoshpara, Kalyani – 741235  
HQ: DD-26, Salt Lake, Sector-I, Kolkata-700064

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(033) 2999- 1029

EMAIL: [birajmondal@wbnsou.ac.in](mailto:birajmondal@wbnsou.ac.in)  
[birajmondal.kolkata@gmail.com](mailto:birajmondal.kolkata@gmail.com)

### WEBSITE:

- ✓ [http://www.wbnsou.ac.in/student\\_zone/courses/science/faculty.shtml#openMondalBKM](http://www.wbnsou.ac.in/student_zone/courses/science/faculty.shtml#openMondalBKM)
- ✓ <https://www.researchgate.net/profile/Biraj-Mondal-2>
- ✓ <https://orcid.org/0000-0002-5010-0224>
- ✓ <https://scholar.google.com/citations?user=RR-ZwWcAAAAJ&hl=en>
- ✓ <https://wbnsou.academia.edu/BirajMondal>

✓ **Research Project Supervision**

- Completed Project: Two
- Project Investigating: One
- Supervising one Research Assistant in ICSSR-MOST funded project

**NO. OF CANDIDATES AWARDED/ REGISTERED FOR PH.D.:**

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Two

**ADMINISTRATIVE EXPERIENCE**

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- ✓ Academic in-Charge (Geography Department) of Kalyani R.C.
- ✓ Monitoring & Supervise Four Post Graduate Geography Study Centres
- ✓ Inspection Team Member of opening PG & UG Geography in different study centers.
- ✓ Conducted online PG Geography Practical Term End Examination (2020 & 2021)
- ✓ Inspection Team Member of LCES of UG Geography in different study centers.
- ✓ Academic representer of Geography Departmental profile before the NAAC peer team in 2021

**UG & PG TEACHING ASSIGNMENTS**

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University Teaching (Under Graduate & Post Graduate): **16 Years**

Courses taught:

- *Physical Geography*: Geotectonics, Geomorphology, Climatology, Hydrology, Oceanography, Soil Geography, Bio Geography, Environment Geography
- *Human Geography*: Social and Cultural Geography, Population Geography, Settlement Geography, Regional Planning and Development, Urban Geography, Philosophy of Geography
- *Practical Geography*: Quantitative Techniques, Map interpretation and Field Techniques, Remote Sensing and GIS, Cartographic Technique, Thematic Mapping, Research Methodology
- *Software*: Arc GIS, MapInfo, Geomatica, Edras Imagin, Q GIS, TNT mips, SAGA GIS
- *Instruments*: GPS, Theodolite, Dumpy Level, Prismatic Compass, Plain Table, Abney Level, Clinometers, Pocket and Mirror Stereoscope

**MEMBERSHIP OF DIFFERENT COMMITTEES**

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- ✓ UG Board of Studies of Geography
- ✓ PG Board of Studies of Geography
- ✓ Ph.D. Board of Studies of Geography
- ✓ Centre for Propagation of Scientific Knowledge
- ✓ *Laboratory Infrastructure, Maintenance, and research Committee*
- ✓ Academic Council, NSOU
- ✓ Admission Committee, NSOU
- ✓ Centre for Internal Quality Assurance (CIQA), NSOU
- ✓ Convenor of the website design of School of Science, NSOU
- ✓ National Assessment and Accreditation Council (NAAC) Committee
- ✓ Book Fair Committee, NSOU

## MEMBERSHIP OF PROFESSIONAL BODIES

- Regional Sciences Association (India & International)
- Geographical Society of India, Kolkata
- Geospatial World
- Editorial Board Member, Tress, Foresta and People Journal
- Reviewer of **Springer Nature, MDPI, Elsevier, Taylor & Francis, Routledge** group of Peer Review journals

## ELIGIBILITY TEST CLEARED (NET/SET/GATE etc.):

Sl. No.	Details
1	UGC NET (June, 2007)

## DETAILS OF PUBLICATIONS (BOOKS/ EDITED VOLUME / RESEARCH PAPERS/REVIEW): [Last 10 Year]

Sl. No.	Title of the paper (Vol. No., Issue No., Page No.)	Publisher	Year of publication	ISSN/ ISBN
1	Analysis of the Post-Cyclonic Physical Flood Susceptibility and Changes of Mangrove Forest Area Using Multi-Criteria Decision-Making Process and Geospatial Analysis in Indian Sundarbans	MDPI Journal <i>Atmosphere</i> , 2024(15): 432	2024	<a href="https://doi.org/10.3390/atmos15040432">https://doi.org/10.3390/atmos15040432</a>
2	Spatio-temporal Assessment of Forest Health Dynamics of Sikkim using MODIS Satellite Data by AHP Method and Geospatial Techniques in Edited Book on 'Geospatial Practices in Natural Resources Management'	Springer Nature	2024	Print ISBN 978-3-031-38003-7; Online ISBN 978-3-031-38004-4; DOI: 10.1007/978-3-031-38004-4_22
3	Climate-Resilient Agropolitan Approach Towards Sustainable Regional Development of Bardhaman District of West Bengal in Edited book: Climate Crisis: Adaptive Approaches and Sustainability	Springer Nature	2024	Print ISBN 978-3-031-44396-1; Online ISBN 978-3-031-44397-8; DOI: 10.1007/978-3-031-44397-8_20
4	Analysis of the Shoreline Changes using Geoinformatics in Ghoramara Island of Hugli Estuary, West Bengal in India	Elsevier journal of King Saud University-Science	2023	<a href="https://doi.org/10.1016/j.jksus.2023.103014">https://doi.org/10.1016/j.jksus.2023.103014</a>
5	Assessing Urban Flood Hazard Vulnerability Using Multi-Criteria Decision Making and Geospatial Techniques in Nabadwip Municipality, West Bengal in India	MDPI Journal <i>Atmosphere</i> , 14(4), 669	2023	<a href="https://doi.org/10.3390/atmos14040669">https://doi.org/10.3390/atmos14040669</a>
6	Assessing the Impact of COVID-19 on Urban Socio-Economic Vulnerability and Well-Being for Integrated Planning: A Quantitative Enquiry in the Katwa Municipality, West Bengal in edited book 'Urban Commons, Future Smart Cities and Sustainability'	Springer Nature	2023	Print ISBN 978-3-031-24766-8; Online ISBN 978-3-031-24767-5; <a href="https://doi.org/10.1007/978-3-031-24767-5_42">https://doi.org/10.1007/978-3-031-24767-5_42</a>
7	Geospatial assessment of fluvial dynamics and associated flood vulnerability in the Bhagirathi-Hugli sub-basin in West Bengal, India' in Edited Book on 'Floods in the Ganga-Brahmaputra-Meghna Delta'	Springer Nature	2023	Print ISBN 978-3-031-21085-3; Online ISBN 978-3-031-21086-0; <a href="https://doi.org/10.1007/978-3-031-21086-0_21">https://doi.org/10.1007/978-3-031-21086-0_21</a>
8	Exploring the Transformation of Agrarian Villages into Global Cultural Urban Centres through GIS and Reaffirmation Method: An Enquiry on ISKCON, Mayapur of West Bengal (India); in edited book	Springer Nature	2023	Print ISBN 978-3-031-25913-5; Online ISBN 978-3-031-25914-2; Springer Nature; <a href="https://doi.org/10.1007/978-3-031-25914-2">https://doi.org/10.1007/978-3-031-25914-2</a>

	'Urban Environment and Smart Cities in Asian Countries. Human Dynamics in Smart Cities'			78-3-031-25914-2_14
9	Strategic Infrastructural Development to Promote Sustainable Coastal Tourism through Geospatial Technology in Purba Medinipur district, West Bengal in Edited Book ' <i>Environmental Management and Sustainability in India - Case Studies from West Bengal</i> '	Springer Nature	2023	Print ISBN: 978-3-031-31398-1; eBook ISBN: 978-3-031-31399-8; DOI: <a href="https://doi.org/10.1007/978-3-031-31399-8">https://doi.org/10.1007/978-3-031-31399-8</a>
10	Assessing the effectiveness of the major welfare schemes of West Bengal: a geographical appraisal	NSOU Journal of Social Sciences	2022	ISSN: 2581 5512
11	Dynamics of spatio-temporal disparity of the gender, caste, tribe and nexus with development: Inter-districts picture of West Bengal	NSOU Journal of Social Sciences	2022	ISSN: 2581 5512
12	Watershed Prioritization Based on Morphometric Analysis Using Geospatial Technique in the Upper Kasai Sub-Watershed of Purulia District, West Bengal (India); in Edited book on Fluvial Systems in the Anthropocene; Process, Response and Modelling	Springer Nature	2022 (Oct.)	ISBN 978-3-031-11180-8; <a href="https://doi.org/10.1007/978-3-031-11181-5_11">https://doi.org/10.1007/978-3-031-11181-5_11</a>
13	Ensemble three-dimensional habitat modeling of Indian Ocean immature albacore tuna ( <i>Thunnus alalunga</i> ) using remote sensing data; Remote Sensing, Vol. 14 (20)	Remote Sensing (MDPI) (IF: 5.349)	2022 (Oct.)	Doi: <a href="https://doi.org/10.3390/rs14205278">https://doi.org/10.3390/rs14205278</a>
14	Appliance of Indigenous Knowledge in Mangrove Conservation and Sustaining Livelihood in Indian Sundarban Delta: A Geospatial Analysis; in Edited Book on Traditional Ecological Knowledge of Resource Management in Asia	Springer Nature	2022 (Sept.)	ISBN: 9783031168390; Edition: First; Doi: <a href="https://doi.org/10.1007/978-3-031-16840-6_6">https://doi.org/10.1007/978-3-031-16840-6_6</a>
15	Climate Change Induced Coastal Hazards and Community Vulnerability in Indian Sundarban; in Edited Book on Applied Geomorphology and Contemporary Issues	Springer Nature	2022 (Sept.)	Print ISBN: 978-3-031-04531-8; Online ISBN: 978-3-031-04532-5; Edition: First; Doi: <a href="https://doi.org/10.1007/978-3-031-04532-5_31">https://doi.org/10.1007/978-3-031-04532-5_31</a>
16	Projected climate change impact on immature albacore tuna habitats in the Indian Ocean by using sea surface temperature and chlorophyll data: Ensemble forecasting; Climatic Change journal	Springer Nature	2022	DOI: <a href="https://doi.org/10.21203/rs.3.rs-1615080/v1">10.21203/rs.3.rs-1615080/v1</a>
17	Application of Participatory Rural Appraisal and Geospatial Techniques for Analysing the Dynamics of Mangrove Forest and Dependent Livelihood in Indian Sundarban; in Edited Book on Conservation, Management and Monitoring of Forest Resources in India	Springer Nature	2022 (Aug.)	Print ISBN: 978-3-030-98232-4; Online ISBN: 978-3-030-98233-1; Edition: First; Doi: <a href="https://doi.org/10.1007/978-3-030-98233-1_16">https://doi.org/10.1007/978-3-030-98233-1_16</a>
18	Transformation and risk assessment of the East Kolkata Wetlands (India) using fuzzy MCDM method and geospatial technology in journal Geography and Sustainability, Vol. 3(3), 191–203	Geography and Sustainability Elsevier (CS: 7.4)	2022 (July)	<a href="https://doi.org/10.1016/j.geosus.2022.07.002">https://doi.org/10.1016/j.geosus.2022.07.002</a>
19	Assessing Groundwater Dynamics and Potentiality in the Lower Ganga Plain, India in journal Water, 14(14): 2180	Water (MDPI) (IF: 3.530)	2022 (July)	DOI: <a href="https://doi.org/10.3390/w14142180">10.3390/w14142180</a>

20	Application of Geospatial Techniques for Urban Flood Management: A Review in Edited Book on Spatial Modelling of Flood Risk and Flood Hazards	Springer Nature	2022 (April)	ISBN: 978-3-030-94543-5; DOI: <a href="https://doi.org/10.1007/978-3-030-94544-2_13">10.1007/978-3-030-94544-2_13</a>
21	Assessing the Geo-Ecotourism Potentiality of West Bengal with Special Reference to its Coastal Region Using Geospatial Technology in Edited Book on Social Morphology, Human Welfare, and Sustainability	Springer Nature	2022 (July)	Print ISBN: 978-3-030-96759-8; Online ISBN: 978-3-030-96760-4 DOI: <a href="https://doi.org/10.1007/978-3-030-96760-4_28">10.1007/978-3-030-96760-4_28</a>
22	Geospatial Analysis of Geo-Ecotourism Site Suitability Using AHP and GIS for Sustainable and Resilient Tourism Planning in West Bengal, India in Journal Sustainability, 14, 2422.	Sustainability (MDPI) (IF: 3.251)	2022 (Jan)	<a href="https://doi.org/10.3390/s14042422">https://doi.org/10.3390/s14042422</a>
23	Analyzing Morphometric Attributes of Kopai River Basin of West Bengal, India, Using Geospatial Technology in Edited Book on Geography of the Physical Environment <i>'Drainage Basin Dynamics', Sub-Title: An Introduction to Morphology, Landscape and Modelling'</i>	Springer Nature	2022 (Jan)	ISBN: 978-3-030-79633-4 <a href="https://doi.org/10.1007/978-3-030-79634-1">https://doi.org/10.1007/978-3-030-79634-1</a>
24	Assessing the Economic Impact of Tourism and Verdict Ecotourism Potential of the Coastal Belt of Purba Medinipur District, West Bengal in Journal Folia Geographica, Vol. 63, No. 2 (UGC Care Listed)	Journal of Slovakia; (IF: 0.73)	2021 (Dec)	Electronic ISSN: 2454-1001; Print ISSN: 1336-6157 <a href="http://www.foliageographica.sk/unipo/journals/2021-63-2/603">http://www.foliageographica.sk/unipo/journals/2021-63-2/603</a>
25	Multi-Sectoral Impact Assessment During the 1 <sup>st</sup> Wave of COVID-19 Pandemic in West Bengal (India) for Sustainable Planning and Management in Journal Arabian Journal of Geosciences, 4: 2448	Arabian Journal of Geosciences (Springer Nature) (IF: 1.985)	2021 (Nov)	<a href="https://doi.org/10.1007/s12517-021-08836-z">https://doi.org/10.1007/s12517-021-08836-z</a> Electronic ISSN: 1866-7538; Print ISSN: 1866-7511
26	Geospatial appraisal of COVID-19 pandemic and the governance for resilient management in West Bengal in Edited Book on Resilient Strategies for Good Governance in Post-COVID Era	Netaji Subhas Open University (NSOU)	2021 (Aug)	ISBN- 978-93-82112-80-8
27	Evaluation of Spatiotemporal Dynamics of Water Storage Changes at Block Level for Sustainable Water Management in Howrah District of West Bengal in Journal Environment, Development and Sustainability	Springer (IF: 3.219)	2021	<a href="https://doi.org/10.1007/s10668-021-01838-7">https://doi.org/10.1007/s10668-021-01838-7</a>
28	Application of Hexagonal Fuzzy MCDM Methodology for site Selection of Electric Vehicle Charging Station in Journal Mathematics, Vol. 9, 393	Mathematics (MDPI) (IF: 2.258)	2021	<a href="https://doi.org/10.3390/math9040393">https://doi.org/10.3390/math9040393</a>
29	Poverty in Fishing Community of Egra-I and II Blocks, Purba Medinipur: A Geographical Appraisal in Edited Book on Social Exclusion in Bengal: Culture, Politics and Minority	Netaji Subhas Open University (NSOU)	2020	ISBN- 9789382112709
30	An Empirical Exploration of Early Girl Child Marriage and Its Influence on Post Natal Death of Children in West Bengal in Edited Book on Caste, Social Formation and Political Mobilization: Modern Bengal in Historical Context	Netaji Subhas Open University (NSOU)	2020	ISBN- 9789382112716
31	Disparities in Health Care Infrastructure of North 24 Parganas District in Edited Book on Modern Bengal – In Search of Tradition and Discourses of Margins	Netaji Subhas Open University (NSOU)	2019	ISBN- 9789382112686

32	Triumph over the Issues and Challenges of Studying Geography Course in ODL System at Netaji Subhas Open University in Edited Book on ODL: Issues and Perspectives from East and North-East India	KKHSOU & NSOU (Jointly)	2019	ISBN-978-93-89559-64-4
33	Geoinformatics Based Techniques for the Study of Spatialization of Urban Heat Island and Micro-Climatic Region in Asansol Durgapur Development Authority, West Bengal in Edited Book on Geo-Environmental Issues of the New Millennium: Sustainable Planning Perspectives	Deys Publication	2018	ISBN-9789398377163
34	A Critical Analysis of Intergenerational Occupational Mobility in Kakdwip Sub-Division of Indian Sundarban in Edited Book on Geo-Environmental Issues of the New Millennium: Sustainable Planning Perspectives	Deys Publication	2018	ISBN-9789398377163
35	Comparative Assessment of the Status of Air Pollution in Krishnagar and Kalyani Municipality in Edited Book on Geo-Environmental Issues of the New Millennium: Sustainable Planning Perspectives	Deys Publication	2018	ISBN-9789398377163
36	Micro Level Empirical Study on Issues and Challenges of Women Empowerment of Haora District, West Bengal in Edited Book on Geo-Environmental Issues of the New Millennium: Sustainable Planning Perspectives	Deys Publication	2018	ISBN-9789398377163
37	Spatial Analysis of Sustainability of East Kolkata Wetland in Conference Proceedings of 12 <sup>th</sup> World Congress, Goa, India	Regional Science Association International (RSAI)	2018	ISBN-9789895421602
38	River Erosion and Changing Course of River Saptamukhi and Muriganga of Namkhana Island in Edited Volume-II on West Bengal: Geoinformatics for Sustainable Environment Management	Netaji Subhas Open University (NSOU)	2018	ISBN-9789382112648
39	Vulnerability Status of Ghoramara Island and Probable Alternatives in Edited Volume-II on West Bengal: Geoinformatics for Sustainable Environment Management	Netaji Subhas Open University (NSOU)	2018	ISBN-9789382112648
40	Micro Level Study on Impact Analysis of MGNREGA to Uplift the Rural Sector of South 24 Parganas in Edited Volume-II on West Bengal: Geoinformatics for Sustainable Environment Management	Netaji Subhas Open University (NSOU)	2018	ISBN-9789382112648
41	An Appraisal about Livelihood Pattern of the Railway Hawkers and Station Stall-Keeper of Some Selected Railway Stations of Indian Sundarban in Edited Book on Sustainable Development: Dynamic Perspective	Anjan Publisher, Kolkata	2018	ISBN-9788193808801
42	Assessment of Effects of Global warming and Climate Change on the Vulnerability of Indian Sundarban in Edited Book on Sustainable Development: Dynamic Perspective	Anjan Publisher, Kolkata	2018	ISBN-9788193808801
43	Implication of Geoinformatics and GIS to Identify the Change Detection of East Kolkata Wetlands in Edited Volume-I on West Bengal: Geoinformatics for Sustainable Environment Management	Netaji Subhas Open University (NSOU)	2017	ISBN-9789382112631

44	The Emerging Issue of Forest Degradation in Purulia District in Edited Volume-I on West Bengal: Geoinformatics for Sustainable Environment Management	Netaji Subhas Open University (NSOU)	2017	ISBN-9789382112631
45	Exploration of Educational Enhancement and Reflective Observation on Distance Education System through NSOU in Proceedings of National Seminar on Developmental Interventions and Open Learning for Empowering and Transforming Society	KKHSOU, Guwahati	2017	ISBN-9788193466902
46	Dilemma of Gender Inequality in Female Literacy in Sundarban in Proceedings of Seminar on Gender, Culture, Politics: Bengal in the 20 <sup>th</sup> Century-Open Distance Initiative	Netaji Subhas Open University (NSOU)	2016	ISBN-9789382112327
47	Role of Population Dynamics in the Transformation of Wetlands in Proceedings of National Seminar on Environment and Sustainability	PCMM, ILEE & GSI (JB Books & Learnings)	2016	ISBN-9789383010295
48	Perspective of development of Indian Sundarban in Edited Volume of the National Seminar on Society, Economy and Development: Issues and Challenges	Haldia Government College (Kunal Books), Delhi	2016	ISBN-9788193249963
49	Environmental Perspective of the Vulnerability of Sundarban in Proceedings of International Seminar on Environmental Perspectives and Resource Management	Institute of Landscape, Ecology and Ekistics	2015	ISBN-9788192804743
50	Assessment of Variations of Literacy Profile in 24 Parganas, West Bengal in <i>Indian Journal of Regional Sciences; Vol.-XLVII No. 1</i>	Regional Science Association, India	2015	ISSN-00469017
51	Spatial exploration of the literacy intensity of Sundarban in <i>Journal Serbian Academy of Sciences and Arts, Vol. 65, No.1</i>	Geographical Institute "Jovan Cvijić"	2015	ISSN-03507599
52	Role of Rural Transport to Strengthen the Society of Indian Sundarban in <i>Geographical Review of India, Vol. 75, No. 2</i>	Geographical Society of India	2015	ISSN-03756386
53	Geographical Appraisal on Health Situation in Joynagar-I Block in <i>Journal Golden Research Thoughts, Vol.-4, Issue-7</i>	Laxmi Book Publication	2015	ISSN 2231-5063
54	Nature of Propensity of Indian Sundarban in <i>International Journal of Applied Research and Studies (iJARS), Vol.4, Issue 1</i>	International Journal of Applied Research and Studies (iJARS)	2015	ISSN: 2278-9480
55	Spatial Investigation about the Educational Standard of Sundarban in <i>International Journal of Applied Research and Studies (iJARS), Vol. 3, Issue: 8</i>	International Journal of Applied Research and Studies (iJARS)	2014	ISSN: 2278-9480
56	Multi-dimensional outlook of literacy profile of Sundarban in <i>Journal of Geo- Environment Observer, Vol.3, No.1</i>	Siliguri Geo-environmental Welfare Society	2014	ISSN-22776141
57	Destruction of Urban Greenery of Indian Cities – A study of the two wards of Kolkata through GIS and Remote Sensing in <i>Journal Serbian Academy of Sciences and Arts, Vol. 63 No. 4</i>	Geographical Institute "Jovan Cvijić"	2013	ISSN-03507599
58	Indian Sundarban: Development Perspectives in Edited volume of UGC Sponsored National Seminar on Community Awareness in Sundarban	acb publications, Kolkata	2013	ISBN-818750059-X

59	Dependency on Primary Economic Activity of the Sundarban Populace in <i>The Observer</i> , Vol. 51	University of Calcutta	2013	ISSN-22309535
60	Role of NREGS in Poverty Alleviation – A Study of North 24 Parganas of West Bengal in <i>Indian Journal of Regional Sciences</i> , Vol. XXXIV No. 2	Regional Science Association, India	2012	ISSN-00469017
61	Impacts of livestock grazing on the livelihood pattern of Barsey Rhododendron Sanctuary and its surroundings, West Sikkim in <i>Institute of Landscape, Ecology &amp; Ekistics</i> , Vol. 34, No. 1	Institute of Landscape, Ecology and Ekistics	2012	ISSN-09714170
62	Role of NREGS on Poverty Alleviation: A Study of Panurai Gram Panchayat, Birbhum, West Bengal in <i>Geographical Review of India</i> , Vol. 72, No. 1	Geographical Society of India	2012	ISSN-03756386
63	A Micro Level Study of Poverty-Stricken Scenario of Mathurapur II Block, South 24 Parganas, West Bengal in <i>Indian Journal of Regional Sciences</i> , Vol. XXXII, No. 2	Regional Science Association, India	2012	ISSN-00469017
64	Effect of Tiger Prawn Seeds Collection on the Ecosystem of Indian Sundarban in <i>Asian Studies</i> , Vol. XXIX, No. 2	Netaji Institute of Asian Studies	2012	ISSN-09707301
65	Mangrove Forest Dynamics and Vulnerability of Indian Sundarban: A Geospatial Analysis in Edited Book on 'Spatial Modeling of Environmental Pollution, and Ecological Risk'	Elsevier	2024	Accepted (e-proof corrected)
66	Assessing The Dynamics of Agriculture under the Changing Climate in Gosaba Block of Indian Sundarban in the Edited book 'Disaster Risk, Resilient agriculture and livelihood: Methods and Applications'	Routledge	2024	Accepted
67	Detecting urban sprawling and peri-urban land use dynamics in major satellite towns of Kolkata Metropolitan Area (KMA), India: A geospatial approach in the Edited Book "Remote Sensing and GIS in Peri-Urban Research"	Elsevier	2024	Accepted

#### BOOK PUBLICATIONS

Sl.	Title of the Book	Publisher	Year	ISSN/ ISBN
1	<b>West Bengal: Geoinformatics for Sustainable Environment Management</b> (Edited Volume-II); Editor	Netaji Subhas Open University (NSOU)	<b>2018</b>	ISBN-9789382112648
2	<b>Geo-Environmental Issues of the New Millennium: Sustainable Planning Perspectives</b> (Edited Book); Editor	Deys Publication	<b>2018</b>	ISBN-9789398377163
3	<b>West Bengal: Geoinformatics for Sustainable Environment Management</b> (Edited Volume-I); Editor	Netaji Subhas Open University (NSOU)	<b>2017</b>	ISBN-9789382112631



## Research Article Reviewed: [Last 2 Years]

Sl. No.	Title of the paper	Publisher /journal	Year
1	Educating Indians, learning 'Indianness': Navigating pluralistic educational infrastructures in multicultural Singapore	Routledge (South Asian Diaspora)	2024
2	Framing VRRSability Relationships among Vulnerability, Risk, Resilience, and Sustainability for Improving Geo-Information Evaluations within Geodesign Decision Support	International Journal of Geo-information (MDPI)	2024
3	Place, Space, and Philosophy: Unveiling the Philosophical Dimensions of Geography	International Journal of Research on Social and Natural Sciences	2024
4	Building extraction for 3D city modelling using airborne laser scanning data and high-resolution aerial photo	Contemporary Perspective on Science, Technology and Research	2024
5	Application of Geographic Information System (GIS) in Ecotourism: A Global Bibliometric Analysis	Taylor & Francis [Cogent Social Sciences (ORG)]	2024
6	Decadal changes (1980-2021) of shoreline and mangrove cover in Sundarban Delta, India	Taylor & Francis [Cogent Social Sciences (ORG)]	2024
7	Are the Sundarbans mangrove forest management policies adequate to conserve wild species?	Journal of Sustainable Forestry	2023
8	Policy-Based Water Management Challenges at the Local Level Under Non-traditional Security Perspective: The Case of Hanoi City, Vietnam	Geios	2023
9	Dynamic Analysis of Regional Integration Development: Comprehensive Evaluation, Evolutionary Trend, and Driving Factors	MDPI Journal (Land)	2023
10	Seribu Islands in the Megacities of Jakarta on the frontlines of the climate crisis	Frontiers in Environmental Science	2023
11	Delineation of seawater intrusion in the Yanbu industrial area, northwest Saudi Arabia, using geoelectric resistivity sounding survey	Elsevier Journal of King Saud University- Science	2023
12	Reviewed the article 'The Integrated Assessment of Degraded Tourist Geomorphosites to Develop Sustainable Tourism: A Case Study of Grădina Zmeilor Geomorphosite, North-West Region, Romania'	MDPI Journal (Applied Science)	2022
13	Reviewed the article 'Rural tourism – viable alternative for preserving local specificity and sustainable socio-economic development. Case study: "Valley of the Kings" (Gurghiului Valley, Mureș County, Romania)	MDPI Journal (Sustainability)	2022
14	Reviewed the article 'Prediction of the impact of LULC and cyclones on the Sundarban mangrove forest using geospatial techniques and cellular automata-Markov Chain Model'	Geocarto International (Taylor & Francis)	2022
15	Reviewed the article 'Habitat suitability index-based modeling of mature spawning albacore tuna ( <i>Thunnus alalunga</i> ) in the Indian Ocean'	Fisheries oceanography	2022
16	Reviewed the article 'Spatial Coupling Coordination Evaluation of Mixed Land Use and Urban Vitality in Major Cities in China'	MDPI Journal (International Journal of Environmental Research and Public Health)	2022

**RESEARCH PROJECTS:**

Sl. No.	Name of the Project	Funding Agency	Period	Grant Mobilized	Outcome
1	Comparative Assessment of the Impact of Climate Change on the Coastal Areas of India and Taiwan using Geospatial Technology	ICSSR-MOST	2 years (2022-24)	11,93,250/-	Ongoing
2	Assessing Spatio-Temporal Transformation and Vulnerability of the Eco-Geomorphic Milieu of Indian Sundarban: A Geospatial Approach	NSOU	1 year (2022-23)	1,10,000/-	Completed
3	Exploration of Educational Enhancement and Reflective Observation on Distance Education System through NSOU	UGC-DEB	1 year (2016-17)	50,000/-	Completed

**CO-CURRICULAR ACTIVITIES / EXPERIENCE:**

Sl. No.	Details
1	Actively engaged in representing the academic and research profile of the Department of Geography as well as School of Sciences held on 23-24 February, 2024 before the UGC 12B inspection team.
2	Actively engaged in supervising the NSOU Book Stall and organizing Book Fair Program in the 47 <sup>th</sup> Kolkata International Book Fair as a member of the Committee
3	Attended the Counseling Session for Geography as subject faculty on 25 January, 2024 in the 47 <sup>th</sup> Kolkata International Book Fair.
4	Actively engaged in preparing the NEP-2020 course design, structure, syllabus of Under Graduate (UG) Geography of NSOU.
5	Actively engaged in preparing the CBCS (Choice Based Course System) course design, structure, detailed syllabus of Post Graduate Geography (PGGR) of NSOU.
6	Academic-in-Charge of the Laboratory of Geography at Kalyani RC since 2015 and actively engaged in scheduling and taking special practical Personal Contact Program (PCP) and examination of Post Graduate Geography of NSOU.
8	Pursuing the ICSSR-MOST funded project and spent about two months in Taiwan (2022) as visiting researcher.
9	Actively engaged in Study center inspection for opening of Post Graduate Geography course in Tarakeswar College on 20.4.22; Kanailal College on 22.4.22 & Haldia Govt. College on 27.4.22 and prepared the report of the same.
10	Prepared the Ph.D. course work structure, syllabus for Geography discourse in 2020 at NSOU following the new regulation guidelines of UGC and started supervising Ph.D. Research Scholar from 2020.
11	Prepare the PPR report of Post Graduate (PG) and Under Graduate Geography (UG) of NSOU.
12	Prepared and presented the departmental profile of Geography for the NAAC accreditation on 03.04.2021.
13	Engaged in preparing the School of Science profile and presented before CIQA, NSOU as a preparation for NAAC visit on 10.1.21; 13.1.21; 26.1.21; 14.2.21; 22.2.21; 15.3.21
14	Prepared and present departmental profile of Geography before CIQA, NSOU as a preparation for NAAC visit on 5.1.21; 14.1.21; 6.2.21; 19.2.21; 22.2.21; 25.2.21 & 24.3.21
15	Actively participated in the Self Learning Study Material (SLM) meeting and SLM audit on 23.8.21 & 04.9.21

16	Prepare the programme guide and PPR report of Post Graduate and Under Graduate Geography for NAAC accreditation.
17	Actively engaged in preparing the CBCS (Choice Based Course System) and NEP-2020 course structure, syllabus of <i>Under Graduate Geography</i> of NSOU.
18	Actively engaged in writing, editing and monitoring the <i>Post Graduate Geography CBCS</i> (Choice Based Course System) SLM of NSOU since 2022.
19	Acted as an active member of Ph.D., PG and UG Board of Studies of Geography at NSOU and engaged in preparing all the official and academic works related to these.
20	Acted as an active member of Centre for Propagation of Scientific Knowledge (CPSK) at NSOU.
21	Actively monitored the three/four Post Graduate Geography (PGGR) Study Centres each year.
22	Closely associated with conducting Laboratory Counselling Cum Evaluation Session (LCES) programme of Elective and Subsidiary science subjects each year from 2010 up to 2016.
23	Actively engaged in preparing the Ph.D. Geography course work offline and online monthly PCP routine since 2021.
24	Actively engaged in preparing the PG Geography online monthly PCP routine since 2020.
25	Actively engaged in preparing the UG Geography online monthly PCP routine since 2020.
26	Actively Prepared Monthly Academic Activity Report of Department of Geography form 2023.
27	Actively engaged in upgrading the NSOU website design as a member of the Committee.
28	Actively perform as a Visiting Team Member in different Study Centres during LCES session since 2010.
29	Engaged in teaching at Alipore Correctional Home for undergraduate students of NSOU since 2009.
30	Supervising and conducting field works PG Geography since 2009. Supervising the preparation of Field Report/ Field Oriented Dissertation Reports every year for the PG Geography course of NSOU from 2009 onwards.
31	Delivered a good number of lectures on various discipline specific topics in Gyan Vani Radio (Air) Programme. Acted as expert in Geography topic discussion for Secondary and Higher Secondary of West Bengal Board in Gyan Vani Radio (Air) Programme.
32	Recorded many short lectures for NSOU web radio (Muktak) on discipline specific topics from 2021.
33	Prepared Online (since 2020) and Offline PCP class routine of UG and PG Geography (since 2015).
34	Engaged in enhancing the Laboratory Infrastructure and Development of Geography Laboratory at Kalyani RC.
35	Engaged in the admission process of PG Geography courses since 2010.
36	Actively engaged in all the Examination related activities of Ph.D., PG and UG Geography courses of NSOU each year.
37	Written 'Higher Secondary Geography' (Adarsha Bhugol Prashikkhak) (Class-XI), West Bengal Council of Higher Secondary Education, D.N. Prakashon Pvt. Ltd., 2012. Written 'Secondary Geography' (Bhugol O Poribesh) (Class-IX), West Bengal Board of Secondary Education, Bhagabati Publication, 2015.
38	Closely associated with Kalyani University, Vidhyasagar University, Kazi Nazrul University, Aliah University, Rabindra Bharati University (DDE), West Bengal State University, Kanyashree University

**CO-CURRICULAR ACTIVITIES RELATED TO ATTENDING PROGRAM/WORKSHOP**

Sl. No.	Details of Activities
1	Attended the Induction Program on Behala College on 17.1.24 as a member of the Inspection team of NSOU.
2	Actively engaged in organizing One Day National Seminar on 'Only One Earth: Our One Environment' on 07.6.23 as an Organizing Committee Member.
3	Participated in the in the Workshop "Empowering Educators: A Technology Training Workshop for Teachers", on 5 <sup>th</sup> June, 2023 organized by the School of Sciences, NSOU.
4	Actively engaged in organizing LMS Program on 22/1/22 & 23/3/22 as an Organizing Committee Member.
5	Actively engaged in organizing Laboratory Counselling Cum Evaluation Session (LCES) Program on 24/4/23 as an Organizing Committee Member.
6	Attended science MOOCs workshop on 2.6.23
8	Organizing committee in LMS Sensitization Programme for PG Science Students on 23.3.22 & 22.2.23
9	participated One Day Workshop on "A Capacity Building Approach to Laboratory Based Programmes in ODL Mode" held on 26 <sup>th</sup> September, 2022 organized by School of Sciences, NSOU in hybrid mode.
10	Co-Chairperson in the International Seminar on 'Sustainable Development: Issues, Prospect and Challenges' organized by Department of Department of Education, Jadavpur University on 17-18 August, 22
11	Participated in Three-Day Workshop on Enhancing Capacity of Higher Education Teachers' organized by NSOU in collaboration with CEMCA on 25- 26 & 28 February, 2022.
12	Participated in Webinar on Awareness Programme on Search Techniques of e-resources organized by NSOU on 19-20 April, 2022
13	Participated in National Level Webinar on Citation Index and Impact Factor organized by CIQA, NSOU on 03.10.2021
14	Participated in One Day Interdisciplinary National Webinar on Conceptualization of Upcoming Challenges from our Geo-environmental Area- Special Focus thrown on Information-based Technology and Associated Job Prospect organized by Post Graduate Department of Geography, Chandernagore College on 19.12.2021
15	Attend the Alumni Meet Programme organized by CIQA, NSOU since 2021.
16	Attend the University Foundation Day (25 <sup>th</sup> November) Lecture since 2021.
17	Attend the Pre-admission Counselling Programme and presented the Geography Departmental Profile since 2021.
18	Attend the Induction Programme in different Study Centres since 2015.
19	Participated in the International Yoga Day, organized by NSOU since 2017.
20	Participated in Sensitization Programme on Quality Assurance for Academic Administration of Learners Support Centre (LSC)/ Study Centres (SC) on 13 September, 2019; organized by Netaji Subhas Open University
21	Participated in Assessment and Accreditation Process of ODLs in India on 27 September, 2019; organized by Centre for Internal Quality Assurance (CIQA), NSOU
22	Awareness Programme on NKN Campus Network on 24 & 25 September, 2019; organized by Regional Centre, Kalyani, Netaji Subhas Open University
23	Awareness and use of e-resources of Netaji Subhas Open University Library Department on 19 September, 2019; organized by Library Department and School of Professional Studies, NSOU

24	NAAC awareness Programme on 24 July, 2019; organized by Regional Centre, Kalyani, Netaji Subhas Open University
25	Participated in One day Seminar on Revisiting Karl Marx in the Twenty-first Century, organized by Ramakrishna Mission Vidyamandira on November 28, 2018.
26	Participated in National Workshop on Proficiency Improvement of Laboratory Counselling: An ODL Initiative, organized by School of Sciences, Netaji Subhas Open University on September 29, 2016.
27	Participated in Orientation Programme on PG Bengali Counselling in ODL System, organized by School of Humanities, Netaji Subhas Open University on March 19, 2016.
28	Participated in National Workshop on Skill Development in Science Subjects through ODL Mode: An Advancement in Pedagogy, organized by School of Sciences, Netaji Subhas Open University on October 7, 2015.
29	Participated in National Workshop on Capacity Building for Teachers of ODL Institutes organized by School of Professional Studies, Netaji Subhas Open University on September 3-4, 2015.
30	Participated in National Seminar on Virtual Study and Virtual Laboratory: A Boon in Distance Learning, organized by School of Sciences, Netaji Subhas Open University on February 20, 2015
31	Participated in National Seminar on Changing Scenario in Indian Business Environment, organized by School of Humanities and Social Sciences, Netaji Subhas Open University on August 8-9, 2014
32	Participated in Seminar Series on various geographical issues and GIS, organized by Presidency University on December 11,12, 22,23, 2014
33	Participated in National Workshop on Workshop on Gender Sensitization and Women Empowerment: Issues and Challenges organized by Women Harassment Prevention Cell, NSOU on February 27, 2013.
34	Participated in National Workshop & Conference on Capacity Building of Faculty Working at ODL Institutes, organized by Netaji Subhas Open University on January 30-31, 2012.
35	Participated in State Level Seminar on Hazard and Disaster in North and Eastern India organized by Puras Kanpur Haridas Nandi Mahavidyalaya, Howrah (Collaboration with Himalaya Samiksha Parishad & ILEE) on January 5-6, 2012.
36	Participated in One Day Workshop on BDP Laboratory Counselling Methodology- Problems and Remedies in ODL System, organized by School of Sciences, Netaji Subhas Open University on March 20, 2012.
37	Participated in National Seminar on Emerging Issues on Accounting and Finance: Indian Scenario, organized by Netaji Subhas Open University (Association with BNCCL, Kolkata) on May 31, 2011.
38	Participated in One Day Seminar on Quest for Quality in Open and Distance Learning, organized by Netaji Subhas Open University on June 27, 2009

#### PAPERS PRESENTED AT SEMINARS, CONFERENCES, WORKSHOPS, ETC.: [Last 10 Year]

Sl. No.	Title of Paper/ Lecture	Organizing Institute	Conference, Seminar, workshop	Role (Paper presenter/ invited talk/ chairperson)	International (Within Country)/ International (Abroad)/National
1	Assessing the spatial pattern of health inequalities and driving blueprint during COVID-19 pandemic in Kolkata Municipal Corporation, West Bengal (India)'	10 <sup>th</sup> EARCAG held in Department of Geography, National Taiwan University, Taipei, Taiwan in the Session 8-4: Post-COVID Geography (I) in hybrid mode.	Conference on 11 December, 2022	Paper presenter	International (Taiwan)

2	Assessing the Transformation, Vulnerability and Risks of East Kolkata Wetlands (India) using Fuzzy MCDM Method and Geospatial Technology	Department of Geography, NSOU. Theme: 'Significance and Application of Geospatial Technology in Geography Discipline'	One day workshop on May 24, 2023	Chairperson and Paper presenter	State
3	Demo use of GIS Software (Mapinfo, Version 12.5) for the Post Graduate Geography learners	Department of Geography, NSOU. Theme: 'Significance and Application of Geospatial Technology in Geography Discipline'	One day workshop on May 24, 2023	Chairperson and Paper presenter	State
4	Sustainable Development: Issues, Prospect and Challenges	Jadavpur University in collaboration with Banjanbarna Foundation	Conference on 17-18 August, 2022	Co-chairperson	International (India)
5	Innovation in Disaster Risk Reduction: Aiming Towards a Resilient Society	Department of Geography, Diamond Harbour Women's University in collaboration with Commission on Hazards and Risk, International Geographical Union (IGU)	Conference on September 10-11, 2020	Co-chair Technical Session –III	International (India)
6	Assessing the impact of climate change on agriculture and land use dynamics in Indian Sundarban using geospatial technology	Department of Geography, Diamond Harbour Women's University in collaboration with Commission on Hazards and Risk, International Geographical Union (IGU)	Conference on September 10-11, 2020	Paper Presenter	International (India)
7	Analyzing the issues and challenges of online teaching-learning of Geography at NSOU in the pandemic situation	Krishna Kanta Handiqui State Open University (KKHSOU), Guwahati in collaboration with Commonwealth Educational Media Centre for Asia (CEMCA)	Conference on April 20-21, 2020	Paper Presenter	International (India)
8	Wetland Degradation and Conservation: Geospatial Analysis of Some Selected Wetlands of West Bengal	Lady Brabourne College, Kolkata	Conference on March 3-4, 2020	Paper Presenter	International (India)
9	Diaspora, Immigration and the Challenges of Governance in the Indo-Bangladesh Borderland: Trajectory of the 'Sundarbans'	Centre for Diaspora Studies, Gujarat Central University, Gujarat	Conference on February 10-11, 2020	Paper Presenter	International (India)
10	Analysing Economic Activities Vis-a Vis Ecological Corollary in Sundarban Biosphere Reserve	Sabuj B.Ed. College & Sabuj Primary Teachers' Training Institute, 24 PGS (S)	Seminar on January 20-21, 2020	Paper Presenter	International (India)
11	Connectivity and Economic Sustainability Within states and Without: The Visible Face of Development in South Asia A Study of the BIMSTEC Initiative	Sikkim University, Gangtok	Conference on March 14 to 15, 2019	Paper Presenter	International (India)
12	12 <sup>th</sup> World Congress of the	Regional Science Association International (RSAI)	29 May to 1 June, 2018	Chair Session	International (India)

	RSAI, Spatial Integration, Regional Development and Sustainability			RS03.7	
13	Spatial Analysis of Sustainability of East Kolkata Wetland	Regional Science Association International (RSAI), 12 <sup>th</sup> World Congress	Conference on May 29 to June 1, 2018	Paper Presenter	International (India)
14	Exploration of Educational Enhancement and Reflective Observation on Distance Education System through NSOU	KKHSOU, Guwahati	Conference on December 16-17, 2017	Paper Presenter	International (India)
15	Implication of Geoinformatics and GIS to Identify the Changed Detection of East Kolkata Wetlands	School of Sciences, Netaji Subhas Open University	Conference on September 9, 2017	Paper Presenter	National
16	Change Detection Investigation of East Kolkata Wetlands	University of Calcutta	Conference on March 30, 2017	Paper Presenter	National
17	Role of Population Dynamics in the Transformation of Wetlands	Dept. of Geography, Prasanta Chandra Mahalanobis Mahavidyalaya	Seminar on November 18-19, 2016	Paper Presenter	National
18	Role of NSOU in Providing Science Subject through ODL System	School of Professional Studies, Netaji Subhas Open University	Seminar on March 5, 2016	Paper Presenter	International (India)
19	Difficulties to Survive in the Habitat of Sundarban	Foundation of Practicing Geographers	Seminar on February 26-27, 2016	Paper Presenter	National
20	Economic Development of Indian Sundarban and its Aftermath	University of Calcutta	Seminar, March 27-28, 2015	Paper Presenter	National
21	Environmental Perspective of the Vulnerability of Sundarban	Institute of Landscape, Ecology and Ekistics (ILEE), C.U., NATMO, IBRAD, GSI	Seminar, December 19-20, 2014	Paper Presenter	International (India)
22	The Milieu of Vulnerability of Indian Sundarban	School of Sciences, Netaji Subhas Open University	Seminar, March 28-29, 2014	Paper Presenter	National Seminar
23	Multi Dimensional Outlook of Literacy Profile of Sundarban	Krishnanagar Womens' College, Nadia, West Bengal	Seminar, January 18-19, 2014	Paper Presenter	International (India)
24	Dimension of Development of the Populace of Indian Sundarban and its Environmental Collision	M.D.University, Rohtak, Haryana, India.	March 14-16, 2013	Paper Presenter	International (India)
25	Perspective of Development of Indian Sundarban	Haldia Government College, West Bengal	Seminar, March 19-20, 2013	Paper Presenter	UGC Sponsored National
26	Indian Sundarban: Development Perspectives	Raidighi College, South 24 Parganas, West Bengal	Seminar, January 20-21, 2012	Paper Presenter	UGC Sponsored National
27	Dimensions of Development of Indian Sundarban	University of Calcutta	Conference, March 12, 2012	Paper Presenter	International (India)



## E-CONTENT

Sl. No.	Details	Quadrant I/II/III/IV	Link
1	Audio-Visual Lecture (AVL 29), PGGR 1A: Landform Evolution (Geomorphology)	I	<a href="http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl">http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl</a>
2	Audio-Visual Lecture (AVL 30), PGGR 1A: Landform Evolution (Geomorphology)	I	<a href="http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl">http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl</a>
3	Audio-Visual Lecture (AVL 31), PGGR 1A: Plate Tectonics (Geomorphology)	I	<a href="http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl">http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl</a>
4	Audio-Visual Lecture (AVL 32), PGGR 1A: Plate Tectonics (Geomorphology)	I	<a href="http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl">http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl</a>
5	Audio-Visual Lecture (AVL 36), PGGR 4B: Line Pattern Analysis (Quantitative Technique)	I	<a href="http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl">http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl</a>
6	Audio-Visual Lecture (AVL 37), PGGR 4B: Line Pattern Analysis (Quantitative Technique)	I	<a href="http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl">http://www.wbnsou.ac.in/student_zone/courses/science/AVL_Series.shtml#active_avl</a>
7	Written PG Environmental Sciences (PGENV-CC-P205): General Practical	II	In press
8	Written PG Environmental Sciences (PGENV-CC-P304): General Practical	II	In Press
9	Written PG Geography (PGGR-CC- P305): Manual for Field Report (Practical)	II	In press
10	Written PG Geography (PGGR-DSE- P405): Urban Geography: Special Paper Practical	II	In Press
11	Writing PG Geography (PGGR-CC- P104): Geospatial analysis & Thematic Mapping (Practical)	II	In preparation stage
12	Writing PG Geography (PGGR-CC- P105): Instrumental Survey (Practical)	II	In preparation stage
13	Writing PG Geography (PGGR-CC- P304): Quantitative Techniques (Practical)	II	In preparation stage
14	Edited PG Environmental Sciences (PGENV-CC-P305): Field Visit & Report (Practical)	II	In press
15	Edited PG Geography Geotectonics and Geomorphology (PG Geography CBCS CC-101), NSOU	II	In press
16	Edited PG Geography Climatology (PG Geography CBCS CC-202), NSOU	II	In Press
17	Edited PG Geography Urban Geography (PG Geography CBCS DSE-403), NSOU	II	In Press
18	Written Geotectonics and Geomorphology & Climatology Laboratory SLM (UG Geography CBCS Core Course-2), NSOU	II	Published hard copy
19	Written Climatology SLM (UG CBCS Core Course-7), NSOU	II	Published hard copy
20	Written Social Geography SLM (UG CBCS Discipline Specific Elective Course-4), NSOU	II	Published hard copy
21	Written (few units) PG Geography SLM (PGGR Paper- 9B), NSOU	II	Published hard copy
22	Written the field report manual of PG Geography course (PGGR Paper-10B), NSOU	II	<a href="http://www.wbnsou.ac.in/student_zone/courses/science/field_manual.shtml#active_field_manual">http://www.wbnsou.ac.in/student_zone/courses/science/field_manual.shtml#active_field_manual</a>
23	Written PG, CC 2.5 of Rabindra Bharati University (RBU)	II	<a href="https://media.rbudde.in/wp-content/uploads/2021/03/19005744/Geography-CC-2.5.pdf">https://media.rbudde.in/wp-content/uploads/2021/03/19005744/Geography-CC-2.5.pdf</a>
24	Written PG, CC 3.2 of Rabindra Bharati University (RBU)	II	<a href="https://www.rbudde.in/academics/self-learning-material-slm/">https://www.rbudde.in/academics/self-learning-material-slm/</a>
25	Written PG, CC 2.1 of Rabindra Bharati University (RBU)	II	<a href="https://media.rbudde.in/wp-content/uploads/2021/03/19005747/Geography-CC-2.1.pdf">https://media.rbudde.in/wp-content/uploads/2021/03/19005747/Geography-CC-2.1.pdf</a>
26	Edited (UG Geography CBCS Core Course-5), NSOU	II	Published hard copy



27	Edited (UG Geography CBCS Core Course-6), NSOU	II	Published hard copy
28	Edited (UG Geography CBCS Core Course-9), NSOU	II	Published hard copy
29	Edited (UG Geography CBCS DSE-1), NSOU	II	Published hard copy
30	Edited (UG Geography CBCS DSE-2), NSOU	II	Published hard copy
31	Edited (UG Geography CBCS GE-3), NSOU	II	Published hard copy
32	Edited (UG Geography CBCS SEC-1), NSOU	II	Published hard copy
33	Edited (UG Geography SGR-2), NSOU	II	<a href="http://www.wbnsou.ac.in/online_services/slm_BDP.shtml#active_slm_BDP">http://www.wbnsou.ac.in/online_services/slm_BDP.shtml#active_slm_BDP</a>
34	Edited (PG Geography PGGR-1: B), NSOU	II	<a href="http://www.wbnsou.ac.in/online_services/slm_PG.shtml#active_slm_PG">http://www.wbnsou.ac.in/online_services/slm_PG.shtml#active_slm_PG</a>
35	Edited (PG Geography PGGR-7: B), NSOU	II	<a href="http://www.wbnsou.ac.in/online_services/slm_PG.shtml#active_slm_PG">http://www.wbnsou.ac.in/online_services/slm_PG.shtml#active_slm_PG</a>
36	Format Editor of UG Geography CBCS SLM: Core Courses (Paper 2, 4, 5, 6, 9, 12,14)	II	Published hard copy
37	Format Editor of UG Geography CBCS SLM: Discipline Specific Elective (Paper-1,2)	II	Published hard copy
38	Format Editor of UG Geography CBCS SLM: Generic Elective (Paper 1 & 3)	II	Published hard copy
39	Format Editor of UG Geography CBCS SLM: Skill Enhancement Course (Paper-1).	II	Published hard copy
40	Audio Lecture (Geography UG & PG topics) on NSOU web Radio 'Muktak'	I	<a href="http://www.wbnsou.ac.in/online_services/web_radio.shtml#active_webradio">http://www.wbnsou.ac.in/online_services/web_radio.shtml#active_webradio</a>

**PROGRAMMES COORDINATED/ ORGANISED AS CONVENER / ORGANISING SECRETARY AT NETAJI SUBHAS OPEN UNIVERSITY:**

Sl. No.	Programme Name	Sponsored by	Date
1	Excellence in Open and Distance Learning of 25 Years of NSOU in the 47 <sup>th</sup> Kolkata International Book Fair (Organizing Committee Member)	Book Fair Organizing Committee, NSOU	29 January, 2024
2	One Day Workshop on 'Significance and Application of the Geospatial Technology in Geography Discipline' (Organizing Secretary)	Department of Geography, School of Sciences, NSOU	May 24, 2023
3	Two days International Seminar on 'Sustainable Development: From the Perspective of Nature and Nurture' (Organizing Secretary)	Department of Geography, NSOU in collaboration with Byanjanbarna Foundation	February 10-11, 2023
4	World Wetland Day Celebration (Convenor)	Department of Geography, School of Sciences, NSOU	February 02, 2023
5	One Day National Seminar on "Only One Earth: Our One Environment" (Organizing Committee Member)	School of Sciences, NSOU	June 7, 2022
6	LMS sensitization programme (Organizing Secretary)	School of Sciences, NSOU	March 24, 2022
7	National Science Day Celebration (Organizing Secretary)	School of Sciences, NSOU	February 28, 2022
8	Academic Coordinators' Meet (Post Graduate Geography, NSOU) (Organizing Member)	School of Sciences, NSOU	February 22, 2022
9	National Seminar on Environmental Management with the Application of GIS and Geoinformatics (Organizing Secretary)	UGC-DEB Project	September 9, 2017

10	National Workshop on Proficiency Improvement of Laboratory Counselling: An ODL Initiative (Organizing Secretary)	School of Sciences, NSOU	September 29, 2016
11	National Workshop on Skill Development in Science Subjects through ODL Mode: Advancement in Pedagogy (Organizing Secretary)	School of Sciences, NSOU	October 7, 2015
12	National Seminar on Understanding Hazards and their Mitigation Options (Organizing Committee Member)	School of Sciences, NSOU	March 28-29, 2014
13	National Seminar on Global warming & Climate Change: Save the One Earth (Organizing Committee Member)	School of Sciences, NSOU	April 19, 2011
14	Arsenic Pollution: A Global Threat in the New Millennium (Organizing Committee Member)	School of Sciences, NSOU	August 6, 2009

#### INVITED LECTURE: [Last 5 Year]

Sl. No.	Topic	Organizing Institute	Date	Venue	National/ International
1	Climate change induced coastal hazards, community vulnerability and adaptations of rural livelihood in Indian Sundarban in the context of Sustainable Development	Indian Council of Social Science Research (ICSSR), New Delhi	December 11-12, 2023	India International Centre (IIC), New Delhi	First International Indo-Taiwan Bilateral Workshop
2	Environmental Ethics: Conceptual Saga to Ground Reality	Jadavpur University in collaboration with Banjanbarna Foundation	December 21-22, 2023	Jadavpur University, Kolkata	International
3	Atmospheric Disturbances with Special Reference to Cyclone, Monsoon Jet Stream & ENSO Phenomena	Ramakrishna Mission Sikshanamandira, Belur Math, Howrah (Distinguished Resource Person for the Technical Session on 'Methodology of Teaching Geography')	January 06, 2023	Ramakrishna Mission Sikshanamandira, Belur Math, Howrah	National
4	Climate Change induced Hazards and Community Vulnerability in Indian Sundarban	Department of Harbour and River Engineering, National Taiwan Ocean University (NTOU)	October 21, 2022	National Taiwan Ocean University (Taiwan)	International
5	Wetland Degradation and Conservation: Geospatial Analysis of East Kolkata Wetlands and surroundings, West Bengal (India)	Department of Environmental Biology and Fisheries Science, National Taiwan Ocean University (NTOU)	October 13, 2022	National Taiwan Ocean University (Taiwan)	International
6	Transformation and Risk Assessment of East Kolkata Wetlands (India) using Fuzzy MCDM Method and Geospatial Technology	Department of Environmental Biology and Fisheries Science, National Taiwan Ocean University (NTOU)	October 13, 2022	National Taiwan Ocean University (Taiwan)	International
7	Geographical Education and Research: Future Academic and Career Perspectives After Undergraduate Course	Katwa College (affiliated under the University of Burdwan), Purba Bardhaman, West Bengal	November 22, 2022	Katwa College, West Bengal, India	National

8	Geospatial analysis of Water Storage Dynamics in Howrah District, West Bengal (India)	Department of Geography, Chandernagore Government College, West Bengal, India	March 27, 2022	Chandernagore Government College, West Bengal, India	National
9	Research Methodology	Vivekananda Mission Mahavidyalaya, West Bengal, India	January 15, 2022	Vivekananda Mission Mahavidyalaya, West Bengal, India	National
10	Principles of Remote Sensing and Application of Global Positioning System	Vivekananda Mission Mahavidyalaya, West Bengal, India	January 12, 2022	Vivekananda Mission Mahavidyalaya, West Bengal, India	National

#### RESEARCH GUIDANCE:

Sl. No.	Year	University	Name of Student	Year of Award	Subject/Topic
1	2022	Netaji Subhas Open University	Rima Das	Ongoing	Physical Geography (Geomorphology)
2	2022	Netaji Subhas Open University	Rajib Patra	Ongoing	Human Geography

#### TUTORIALS / PRACTICAL / PROJECT SUPERVISION & FIELD WORK:

Sl. No.	Type of Work	Related Programme	Year
1	Supervised Field Work and preparing Field Report on Nainital and surroundings of Uttarakhand of three PGGR study centre of NSOU	PG Geography	2023
2	Supervised Field Work and preparing Field Report on Duars of West Bengal of three PGGR study centre of NSOU	PG Geography	2022
3	Supervised in preparing Dissertation Report on Urban Health & Hygiene of Kolkata	PG Geography	2021
4	Supervised in preparing Dissertation Report on Profile of Urban Road Transportation & Services in Kolkata	PG Geography	2021
5	Supervised in preparing Dissertation Report on Status of Water Scarcity and Water pollution of Howrah City	PG Geography	2021
6	Supervised in preparing Dissertation Report on Urban flood in Howrah City	PG Geography	2021
7	Supervised in preparing Dissertation Report on Solid Waste Management of Siliguri Town	PG Geography	2021
8	Supervised in preparing Dissertation Report on Status of Slum in Siliguri Town	PG Geography	2021
9	Supervised Field Work and Field Report preparation on Gangtok (two PGGR study centre of NSOU)	PG Geography	2020
10	Supervised Field Work and Field Report preparation on Gangtok and Pelling (two PGGR study centre of NSOU)	PG Geography	2019
11	Supervised Field Work and preparing Field Report on Chennai, Puducherry (three PGGR study centre of NSOU)	PG Geography	2018
12	Supervised Field Work and Field Report preparation on Darjeeling, W.B. and Namchi, Sikkim (two PGGR study centre of NSOU)	PG Geography	2017
13	Supervised Field Work and Field Report preparation on Haridwar, Dehradun (two PGGR study centre of NSOU)	PG Geography	2016
14	Actively engaged in monitoring and maintaining and teaching the PG Geography practical on RS-GIS and General laboratory at Kalyani R.C. every year since 2015.	PG Geography	Since 2015

15	Actively engaged in teaching the PG Geography practical of Part-I & Part-II at different Study Centre in each year since 2009.	PG Geography	Since 2009
16	Closely associated with conducting Laboratory Counselling Cum Evaluation Session (LCES) programme of Elective and Subsidiary science subjects each year from 2010 up to 2016.	UG Geography	2010-2016

#### TRAINING COURSES/WORKSHOP/REFRESHER COURSE ATTENDED/ORGANIZED:

Title of the Course	Nature of the Course	Duration of the Course	Host/Organized
Disaster Management	Refresher Course	05 to 17 December, 2022	Jointly Organized by Centre for Disaster Preparedness & Management & HRDC, Jadavpur University
Enhancing Capacity of Higher Education Teachers'	Three-Day Workshop	25- 26 & 28 February, 2022	Netaji Subhas Open University In collaboration with CEMCA
Awareness Programme on Search Techniques of e-resources	Program	19-20 April, 2022	Netaji Subhas Open University
IP Awareness/Training program under National Intellectual Property Awareness Mission	Program	11 March, 2022	Netaji Subhas Open University
Faculty Development Programme on Development of Course for SWAYAM (MOOCs)	Workshop	19 May to 02 June, 2021	Netaji Subhas Open University, Kolkata in collaboration with Commonwealth Education Media Centre for Asia
Faculty Development Programme on 'Open Source GIS Software-Q GIS'	Workshop	21 to 27 July, 2020	HNB Garhwal University, Uttarakhand & Dept. of Geography, IASE (Deemed to be University) Churu, Rajasthan
Resilient Settlement 2030: Exploring the Role of Spatial Planning	Online National Training	08 to 10 September, 2020	NIDM, Ministry of Home Affairs, Govt. of India & School of Planning and Architecture, Bhopal
Learning Sciences and their Role in Rural Development	Online International Training	05.08.20 to 07.08.20	NIRDPR, North Eastern Regional Centre, Guwahati
Remote Sensing Application in Agricultural Water Management	Online certificate course	03.08.20 to 07.08.20	Indian Institute of Remote Sensing (IIRS)
Application of Geoinformatics in Ecological Studies	Online certificate course	13.07.20 to 24.07.20	Indian Institute of Remote Sensing (IIRS)
UGC-OP (Orientation Programme)	Orientation Programme	One month (27/08/2018 to 26/09/2018)	Academic Staff College, Jadavpur University
Certificate Course in Remote Sensing & GIS	Equivalent to Refresher Course	Two months (20/05/2016 to 22/07/2016)	Department of Science and Technology, Govt. of W.B.

Disclaimer: I assert that the details furnished above are all true to the best of my knowledge.

  
Signature

Date: 15.04.24