



## 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

### PHONE:

(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?u>

# DR. BIRAJ KANTI MONDAL

## Assistant Professor

### ACADEMIC QUALIFICATION:

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M.Sc., Ph.D.

### TEACHING EXPERIENCE

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**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 (Howrah), Assistant Teacher**  
01.09.2006 – 15.01.2009

### AWARD AND FELLOWSHIP

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- 1<sup>st</sup> position in the Certificate Course in Remote Sensing & GIS organized by Department of Science & Technology (DST), West Bengal, 2016.
- District scholarship (third position), primary school level, South 24 Parganas district, West Bengal.

### RESEARCH INTERESTS & EXPERIENCE

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- ✓ **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 Sundarban
  - Rural Development, Participatory Rural Appraisal
  - Regional Planning and Development, Transport Analysis
  - Urban Dynamics, Human development
- ✓ **Research Project Supervision**
  - Completed Project: One
  - Project Investigating: Two
  - Supervising one Research Assistant in ICSSR-MOST funded project

ser=RR-ZwWcAAAAJ&hl=en  
✓ <https://wbnsou.academia.edu/BirajMondal>

## ADMINISTRATIVE EXPERIENCE

- ✓ Academic In-Charge (Geography) of Kalyani R. C.
- ✓ Monitoring & Supervise Three PGGR 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 in different study centers.

## UG & PG TEACHING ASSIGNMENTS

University Teaching (UG & PG): More than 14 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

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

Three

## MEMBERSHIP OF DIFFERENT COMMITTEES

- ✓ 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 (CPSK)
- ✓ Member of Laboratory Infrastructure and Development Committee

## MEMBERSHIP OF PROFESSIONAL BODIES

Regional Sciences Association (India & International)  
Geographical Society of India  
Geospatial World

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

Sl. No.	Details
1	NET (2007)

## CO-CURRICULAR ACTIVITIES / EXPERIENCE

Sl. No.	Details
1	Pursuing the ICSSR-MOST funded project and spent about two months in Taiwan (2022) as visiting researcher.
2	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.
3	Recorded many short lectures for NSOU web radio (Muktak) on discipline specific topics from 2021.

#### 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 (2022-23)	11,93,250/-	Ongoing
2	Assessing Spatio-Temporal Transformation and Vulnerability of the Eco-Geomorphologic Milieu of Indian Sundarban: A Geospatial Approach	NSOU	1 year (2022-23)	1,10,000/-	Ongoing
3	Exploration of Educational Enhancement and Reflective Observation on Distance Education System through NSOU	UGC-DEB	1 year (2016-17)	50,000/-	Completed

#### 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 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>
8	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>
9	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>
10	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>
11	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>

#### 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	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.)	ISBN978-3-031-11180-8
2	Ensemble three-dimensional habitat modeling of Indian Ocean immature albacore tuna ( <i>Thunnus alalunga</i> ) using remote sensing data; Remote Sensing, Vol. 14 (20)	MDPI (IF: 5.349)	2022 (Oct.)	Doi: <a href="https://doi.org/10.3390/rs14205278">https://doi.org/10.3390/rs14205278</a>
3	Appliance of Indigenous Knowledge in Mangrove Conservation and Sustaining Livelihood in Indian Sundarban Delta: A Geospatial Analysis; in Edited Book on Traditional	Springer Nature	2022 (Sept.)	ISBN: 9783031168390; Edition: First; Doi: <a href="https://doi.org/10.1007/9">https://doi.org/10.1007/9</a>

	Ecological Knowledge of Resource Management in Asia			78-3-031-16840-6_6
4	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>
5	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>
6	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>
7	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	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>
8	Assessing Groundwater Dynamics and Potentiality in the Lower Ganga Plain, India in journal Water, 14(14): 2180	MDPI (IF: 3.530)	2022 (July)	DOI: <a href="https://doi.org/10.3390/w14142180">10.3390/w14142180</a>
9	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>
10	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>
11	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.	MDPI (IF: 3.251)	2022 (Jan)	<a href="https://doi.org/10.3390/su14042422">https://doi.org/10.3390/su14042422</a>
12	Analyzing Morphometric Attributes of Kopai River Basin of West Bengal, India, Using Geospatial Technology in Edited Book on Geography of the Physical Environment 'Drainage Basin Dynamics', Sub-Title: An Introduction to Morphology, Landscape and Modelling'	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>
13	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
14	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	Springer (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
15	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	NSOU	2021 (Aug)	ISBN- 978-93-82112-80-8
16	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>
17	Application of Hexagonal Fuzzy MCDM Methodology for site Selection of Electric Vehicle Charging Station in Journal Mathematics, Vol. 9, 393,	MDPI (IF: 2.258)	2021	<a href="https://doi.org/10.3390/math9040393">https://doi.org/10.3390/math9040393</a>
18	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
19	An Empirical Exploration of Early Girl Child Marriage and Its	Netaji Subhas Open	2020	ISBN- 9789382112716

	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	University (NSOU)		
20	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
21	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
22	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
23	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
24	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
25	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
26	Spatial Analysis of Sustainability of East Kolkata Wetland in Conference Proceedings of 12 <sup>th</sup> World Congress	Regional Science Association International (RSAI)	2018	ISBN-9789895421602
27	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
28	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
29	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
30	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
31	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
32	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
33	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
34	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
35	Dilemma of Gender Inequality in Female Literacy in	Netaji Subhas	2016	ISBN-9789382112327

	Sundarban in Proceedings of Seminar on Gender, Culture, Politics: Bengal in the 20 <sup>th</sup> Century-Open Distance Initiative	Open University (NSOU)		
36	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
37	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
38	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
39	Assessment of Variations of Literacy Profile in 24 Parganas, West Bengal in Indian Journal of Regional Sciences; Vol.-XLVII No. 1	Regional Science Association, India	2015	ISSN-00469017
40	Spatial exploration of the literacy intensity of Sundarban in Journal Serbian Academy of Sciences and Arts, Vol. 65, No.1	Geographical Institute "Jovan Cvijić"	2015	ISSN-03507599
41	Role of Rural Transport to Strengthen the Society of Indian Sundarban in Geographical Review of India, Vol. 75, No. 2	Geographical Society of India	2015	ISSN-03756386
42	Geographical Appraisal on Health Situation in Joynagar-I Block in Journal Golden Research Thoughts, Vol.-4, Issue-7	Laxmi Book Publication	2015	ISSN 2231-5063
43	Nature of Propensity of Indian Sundarban in International Journal of Applied Research and Studies (IJARS), Vol.4, Issue 1	International Journal of Applied Research and Studies (IJARS)	2015	ISSN: 2278-9480
44	Spatial Investigation about the Educational Standard of Sundarban in International Journal of Applied Research and Studies (IJARS), Vol. 3, Issue: 8	International Journal of Applied Research and Studies (IJARS)	2014	ISSN: 2278-9480
45	Multi-dimensional outlook of literacy profile of Sundarban in Journal of Geo- Environment Observer , Vol.3, No.1	Siliguri Geo-environmental Welfare Society	2014	ISSN-22776141
46	Destruction of Urban Greenery of Indian Cities – A study of the two wards of Kolkata through GIS and Remote Sensing in Journal Serbian Academy of Sciences and Arts, Vol. 63 No. 4	Geographical Institute "Jovan Cvijić"	2013	ISSN-03507599
47	Indian Sundarban: Development Perspectives in Edited volume of UGC Sponsored National Seminar on Community Awareness in Sundarban	acb publications, Kolkata	2013	ISBN-818750059-X
48	Dependency on Primary Economic Activity of the Sundarban Populace in The Observer, Vol. 51	University of Calcutta	2013	ISSN-22309535
49	Role of NREGS in Poverty Alleviation – A Study of North 24 Parganas of West Bengal in Indian Journal of Regional Sciences, Vol. XXXIV No. 2	Regional Science Association, India	2012	ISSN-00469017
50	Impacts of livestock grazing on the livelihood pattern of Barsey Rhododendron Sanctuary and its surroundings, West Sikkim in Institute of Landscape, Ecology & Ekistics, Vol. 34, No. 1	Institute of Landscape, Ecology and Ekistics	2012	ISSN-09714170
51	Role of NREGS on Poverty Alleviation: A Study of Panurai Gram Panchayat, Birbhum, West Bengal in Geographical Review of India, Vol. 72, No. 1	Geographical Society of India	2012	ISSN-03756386
52	A Micro Level Study of Poverty Stricken Scenario of Mathurapur II Block, South 24 Parganas, West Bengal in Indian Journal of Regional Sciences, Vol. XXXII, No. 2	Regional Science Association, India	2012	ISSN-00469017
53	Effect of Tiger Prawn Seeds Collection on the Ecosystem of Indian Sundarban in Asian Studies, Vol. XXIX, No. 2	Netaji Institute of Asian Studies	2012	ISSN-09707301
54	West Bengal: Geoinformatics for Sustainable Environment Management ( <b>Edited Volume-II</b> ); Editor	Netaji Subhas Open University (NSOU)	<b>2018</b>	ISBN-9789382112648
55	Geo-Environmental Issues of the New Millennium: Sustainable Planning Perspectives ( <b>Edited Book</b> ); Editor	Deys Publication	<b>2018</b>	ISBN-9789398377163
56	West Bengal: Geoinformatics for Sustainable Environment	Netaji Subhas Open University	<b>2017</b>	ISBN-9789382112631

	Management ( <b>Edited Volume-I</b> ); Editor	(NSOU)		
57	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 on 'Urban Environment and Smart Cities: Insights for Social, Ecological, and Technological Sustainability'	Springer Nature	<b>2022</b>	Accepted (e-proof checked)
58	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	<b>2022</b>	Accepted (e-proof checked)
59	Mangrove Forest Dynamics and Vulnerability of Indian Sundarban: A Geospatial Analysis in Edited Book on ' <i>Spatial Modeling of Environmental Pollution, and Ecological Risk</i> '	Elsevier	<b>2022</b>	Accepted (e-proof stage)
60	Spatio-temporal Assessment of Forest Health Dynamics of Sikkim using MODIS Satellite Data by AHP Method and Geospatial Techniques in Edited Book on ' <i>Geospatial Practices in Natural Resources Management</i> '	Springer Nature	<b>2022</b>	Accepted (e-proof stage)
61	Assessing the effectiveness of the major welfare schemes of West Bengal: a geographical appraisal	NSOU Journal of Social Sciences	<b>2022</b>	Accepted
62	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	<b>2022</b>	Accepted
63	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 ' <i>Urban Commons, Future Smart Cities and Sustainability</i> '	Springer Nature	<b>2022</b>	Accepted
64	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	<b>2022</b>	Accepted

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

Sl. No.	Title of Paper/ Lecture	Organizing Institute	Conference, Seminar, workshop etc.	Role (Paper presenter/ invited talk/ chairperson)	International (Within Country)/ International (Abroad)/National
1	Sustainable Development: Issues, Prospect and Challenges	Jadavpur University in collaboration with Banjanbarna Foundation	17-18 August, 2022	Co-chairperson	International (India)
2	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)	10-11 September, 2020	Co-chair Technical Session –III	International (India)
3	12 <sup>th</sup> World Congress of the RSAI, Spatial Integration, Regional Development and Sustainability	Regional Science Association International (RSAI)	29 May to 1 June, 2018	Chair Session RS03.7	International (India)
4	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 September 10-11, 2020	Paper Presenter	International (India)
5	Analyzing the issues and challenges of online	Krishna Kanta Handiqui State Open University (KKHSOU),	Conference April 20-21, 2020	Paper Presenter	International (India)

	teaching-learning of Geography at NSOU in the pandemic situation	Guwahati in collaboration with Commonwealth Educational Media Centre for Asia (CEMCA)			
6	Wetland Degradation and Conservation: Geospatial Analysis of Some Selected Wetlands of West Bengal	Lady Brabourne College, Kolkata	Conference March 3-4, 2020	Paper Presenter	International (India)
7	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 February 10-11, 2020	Paper Presenter	International (India)
8	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)
9	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)
10	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)
11	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)
12	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
13	Change Detection Investigation of East Kolkata Wetlands	University of Calcutta	Conference on March 30, 2017	Paper Presenter	National
14	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
15	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)
16	Difficulties to Survive in the Habitat of Sundarban	Foundation of Practising Geographers	Seminar on February 26-27, 2016	Paper Presenter	National
17	Economic Development of Indian Sundarban and its Aftermath	University of Calcutta	Seminar, March 27-28, 2015	Paper Presenter	National
18	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)
19	The Milieu of Vulnerability of Indian Sundarban	School of Sciences, Netaji Subhas Open University	Seminar, March 28-29, 2014	Paper Presenter	National Seminar
20	Multi Dimensional Outlook of Literacy Profile of Sundarban	Krishnanagar Womens' College, Nadia, West Bengal	Seminar, January 18-19, 2014	Paper Presenter	International (India)



21	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)
22	Perspective of Development of Indian Sundarban	Haldia Government College, West Bengal	Seminar, March 19-20, 2013	Paper Presenter	UGC Sponsored National
23	Indian Sundarban: Development Perspectives	Raidighi College, South 24 Parganas, West Bengal	Seminar, January 20 -21, 2012	Paper Presenter	UGC Sponsored National
24	Dimensions of Development of Indian Sundarban	University of Calcutta	Conference, March 12, 2012	Paper Presenter	International (India)

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

Sl. No.	Programme Name	Sponsored by	Period
1	One Day National Seminar on "Only One Earth: Our One Environment" (Organizing Committee Member)	School of Sciences, NSOU	June 7, 2022
2	LMS sensitization programme (Organizing Secretary)	School of Sciences, NSOU	March 24, 2022
3	National Science Day Celebration (Organizing Secretary)	School of Sciences, NSOU	February 28, 2022
4	Academic Coordinators' Meet (Post Graduate Geography, NSOU) (Organizing Member)	School of Sciences, NSOU	February 22, 2022
5	National Seminar on Environmental Management with the Application of GIS and Geoinformatics (Organizing Secretary)	UGC-DEB Project	September 9, 2017
6	National Workshop on Proficiency Improvement of Laboratory Counselling: An ODL Initiative (Organizing Secretary)	School of Sciences, NSOU	September 29, 2016
7	National Workshop on Skill Development in Science Subjects through ODL Mode: Advancement in Pedagogy (Organizing Secretary)	School of Sciences, NSOU	October 7, 2015
8	National Seminar on Understanding Hazards and their Mitigation Options (Organizing Committee Member)	School of Sciences, NSOU	March 28-29, 2014
9	National Seminar on Global warming & Climate Change: Save the One Earth (Organizing Committee Member)	School of Sciences, NSOU	April 19, 2011
10	Arsenic Pollution: A Global Threat in the New Millennium (Organizing Committee Member)	School of Sciences, NSOU	August 6, 2009

**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	Physical Geography (Geomorphology)
3	2022	Netaji Subhas Open University	Kadir Ahamed	Ongoing	Physical Geography (Geomorphology)

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

Sl. No.	Topic	Organizing Institute	Date	Venue	National/ International
1	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
2	Wetland Degradation and	Department of Environmental	October	National Taiwan Ocean	International

	Conservation: Geospatial Analysis of East Kolkata Wetlands and surroundings, West Bengal (India)	Biology and Fisheries Science, National Taiwan Ocean University (NTOU)	13, 2022	University (Taiwan)	
3	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
4	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
5	Geospatial analysis of Water Storage Dynamics in Howrah District, West Bengal (India)	Department of Geography, Chandernagore Government College, West Bengal, India	March 27, 2022	Online	National
6	Research Methodology	Vivekananda Mission Mahavidyalaya, West Bengal, India	January 15, 2022	Online	National
7	Principles of Remote Sensing and Application of Global Positioning System	Vivekananda Mission Mahavidyalaya, West Bengal, India	January 12, 2022	Online	National

#### TUTORIALS / PRACTICAL / PROJECT SUPERVISION & FIELD WORK: [Last 5 Year]

Sl. No.	Type of Work	Related Programme	Year
1	Supervised Field Work and preparing Field Report on Duars of West Bengal of three PGGR study centre of NSOU	PG Geography	2022
2	Supervised in preparing Dissertation Report on Urban Health & Hygiene of Kolkata	PG Geography	2021
3	Supervised in preparing Dissertation Report on Profile of Urban Road Transportation & Services in Kolkata	PG Geography	2021
4	Supervised in preparing Dissertation Report on Status of Water Scarcity and Water pollution of Howrah City	PG Geography	2021
5	Supervised in preparing Dissertation Report on Urban flood in Howrah City	PG Geography	2021
6	Supervised in preparing Dissertation Report on Solid Waste Management of Siliguri Town	PG Geography	2021
7	Supervised in preparing Dissertation Report on Status of Slum in Siliguri Town	PG Geography	2021
8	Supervised Field Work and Field Report preparation on Gangtok (two PGGR study centre of NSOU)	PG Geography	2020
9	Supervised Field Work and Field Report preparation on Gangtok and Pelling (two PGGR study centre of NSOU)	PG Geography	2019
10	Supervised Field Work and preparing Field Report on Chennai, Puducherry (three PGGR study centre of NSOU)	PG Geography	2018
11	Supervised Field Work and Field Report preparation on Darjeeling, W.B. and Namchi, Sikkim (two PGGR study centre of NSOU)	PG Geography	2017
12	Supervised Field Work and Field Report preparation on Haridwar, Dehradun (two PGGR study centre of NSOU)	PG Geography	2016
13	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
14	Actively engaged in teaching the PG Geography practical of Part-I & Part-II at different study centre in each and every year since 2009.	PG Geography	Since 2009
15	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

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

  
Signature

Date: 25.11.2022