UNIVERSITY OF NORTH BENGAL Accredited by MARC with grade . A Raja Rammohunpur, Dist- Darjeeling, West Bengal, Pin-734013, India.

Department of Geography and Applied Geography

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Subject Specialization: Geomorphology

Areas of Research Interest: Geomorphology, Human and Environment Geography.

No. of Ph.D. students:	(a) Supervised: Nil	(b) Ongoing: Nil.
No. of I h.D. students.	(a) Super vised. Nil	(b) Oligonig. Mi.

No. of M.Phil. students: (a) Supervised: Nil (b) Ongoing: Nil .

No. of Publications: 23

Achievement & Awards:

• Nil

Administrative Experiences:

• Nil

Research Projects Completed:

- Co-investigator, Preparation of contour map for drainage management in English bazar municipality, Malda, Sponsored by Malda municipality, Malda, Govt. of West Bengal, Memo No. 2375/IV-2/11-12, dt. 07.02.2012.
- Co-investigator, UGC SAP DRS-I programme on Geo-hazards in Sub-Himalayan West Bengal, 2009-2014.

Selective List of Publications:

Papers in Edited Books::

- Morphometric Analysis by using GIS environment: a case of Karala River Basin, Jalpaiguri, in Applications of Geospatial Technology for Sustainable Development, Ed. by Dr. D. K. Mandal, ISBN 978-81-921692-7-9, 2015; 399-405.
- A Study of Flood Hazard in Malda district with special reference to the 1998 flood, in Living with Hazards, Ed. by Prof. S. Sarkar, SAP DRS I, Monograph 4, ISBN 978-81-921692-6-2, 2014; 67-85.
- 3. Ganga Bank Erosion: A Case study of Manikchak and Kaliachak blocks of Malda district, in Mapping Hazards and Disasters, Monograph 3, Ed. by Prof. S. Sarkar, Deptt. of Geography and Applied Geography, NBU, ISBN 978-81-921692-3-1,2012;125-134.
- 4. Changes of course of the River Ganga in Malda district and its Impact on economy and society, in Disaster Perception and Mitigation, Ed. by Prof. S. Sarkar, SAP DRS I, Monograph 2, Deptt. of Geography and Applied Geography, NBU, ISBN 978-81-921692-1-7, 2011; 64-69.
- Study on bank soil characteristics along the left bank of river Ganga in Malda district, West Bengal, India, in Geo-Hazards in Sub-Himalayan North Bengal, Ed. by Prof. S. Sarkar, SAP DRS 1, Deptt. of Geography and Applied Geography, NBU, Monograph 1, ISBN 978-81-921692-0-0, 2010; 106-112.

Journal Publications:

- 6. Temporal Variations of Bank Line shifting and Course change of River Ganga in Malda District, West Bengal: A Statistical and GIS based Approach, The Indian Journal of Research ANVIKSHIKI (Bi-monthly int. jr.), Vol. 7 (6), GISI Impact Factor 0.2310, ISSN 0973-9777, 2013; 30-37.
- Assessment of the status of solid waste management in mega cities in India: An Overview, International journal of Agriculture, Environment and Biotechnology, Vol. 4, No. 4, Print ISSN 0974-1712, Online ISSN 2230-732X, 2011, 305-315.
- An Account of the Reconstruction of Geography through historical Annals: Case of Ganga River in Malda District, Geographical Thoughts, Vol. 13, ISSN 2229-466X, 2015; 78-85.

- 9. Channel bed aggradation in relation to channel Morphometry: A case study of river Jainti, Jalpaiguri, West Bengal, International Journal of Geomatics and Geosciences, vol. 5, (1), ISSN 0976-4380, 2014; 192-208.
- Diagnostic study of Surface Soil: A Case Study of selected Mouzas of Dhupguri Block, Jalpaiguri, West Bengal, The Indian Journal of Spatial Science, Vol. 05(1), summer issue, EISSN 2249-4316, ISSN 2249-3921, 2014; 32-38.
- 11. Causes of Bed infilling Scenario of River Murti in Jalpaiguri District: A conceptual Approach, Geographical Thoughts, Vol.12, ISSN 2229-466X, 2014; 45-50.
- Discharge Variations and Consequent Flood of River Sankosh: A micro study, District Kochbihar, West Bengal, Uttar Bharat Bhoogol Patrika, Vol. 43 (1 & 2), March & June issue, ISSN 0042-1618, 2013; 31-36.
- 13. Rights of affected people in agriculture economy: A study on Diara inhabitants alongside River Ganga in Malda District, West Bengal, Geographical Thoughts, Vol. 11, ISSN 2229-466 X, 2012; 58-66.
- 14. Geomorphological Characteristics of Paglajhora Landslides at 14th Mile, Darjeeling, India, Geographical Thoughts Deptt. of Geography and Applied Geography, NBU, Vol. X, Ed. by Dr. D. K. Mandal, ISSN 2229-466X, 2012; 75-80
- 15. Analysis of Channel Shifting and Resource Depletion of Ganga over Riverine plains: A fact files study in and around Panchanandapur in Malda District, West Bengal, Ed., Resource Utilization, Land Use in relation to Environmental Impact in India, NL Publishers, Sibmandir, Siliguri, West Bengal, ISBN 978-81-86860-68-7, 2012; 2-21.
- 16. A Study on the Changes in Channel Geometry of the River Ganga Using Satellite Data and GIS Tools: A Case Study of District Malda, West Bengal, Applications of Remote Sensing and GIS in Resource Management, Deptt. of Geography and Applied Geography, NBU, Ed. by Dr. D. K. Mandal, ISBN 978-81-921692-2-4, 2012; 69-75.
- 17. Historical Changes of Ganga Course in Malda District, West Bengal: A Critical Analysis, Journal of Geo-Environmental Observer, Vol. 1(1), March, ISSN 2277-6141, 2012; 55-65.
- Bank Erosion Hazards with a Special Reference to Obstructed River Regime A Case Study of Ganga River in Malda District, West Bengal, Hill Geographer, Vol. XXVII (1 & 2), ISSN 0970-5023, 2011; 103-115.
- 19. Study on Landslide incidents of Paglajhora and Adjacent Areas-An Overview; Kurseong Block, Darjeeling, India, Indian Streams Research Journal, Vol. 1, issue X, ISSN 2230-7850, 2011; 54-58.
- Detection of Morphological Oscillation of the River Ganga from Manikchak to Farakka in Malda District, West Bengal, Journal of landscape Systems and Ecological Studies, Dec., ISSN 0971-4170, 2011; 255-270.
- 21. In-channel mechanisms and related river energy: A Case of Ganga River in Malda District, West Bengal, India, Geo-Analyst, Geographical Society of North Bengal, Vol. 1, (1), Dec., ISSN 2249-2909, 2011; 16-25.
- 22. Channel Oscillation of the River Ganga and Reduction of Population size, A Case study in Malda District, West Bengal, India, Geographical Thoughts, Vol. IX, ISSN 229-466X, 2011; 61-69.
- Channel Migration of the River Ganga: A Case Study of Malda District, West Bengal, Geographical Thoughts, NBU, Vol. VIII, pp. 29-34, ISSN 2229-466 X, 2009-10; 29-34.