Name : Sutapa Mukhopadhyay

Designation : Professor , Department of Geography, Visva – Bharati

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Date of Birth : 03.11.1956

Date of joining in Visva -Bharati : 16.08.1993

Highest Qualification : M.A. Ph. D

Area of Expertise or Interest:

- Fluvial Geomorphology
- Anthropo Geomorphology
- Environmental Geography

No of Research scholars : 16 Awarded 5 currently working

Research Articles:

1. **Erosion susceptibility mapping of subwatersheds for management prioritization using MCDM-based ensemble approach (2020), Arabian Journal of Geoscience,** Vol 14 N0 1 ,Springer, ISSN 1866-7511https://doi.org/10.1007/s12517-020-06297-4, pp 14:36

2. **Formation, migration and morphodynamic alteration of 50 channel bars in Darjeeling Himalayan piedmont zone, India (2020), Air soi and water Research,** Sage Publication , ISSN 11786221, https://journals.sagepub.com/doi/full/10.1177/1178622120941436

3. **Evaluation of springs and waterfalls as Geomorphosites and proposition of strategies to develop Geotourism at Ajodhya hill, Puruliya district, Eastern India (2020), GeoJournal**, Springer, https://doi.org/10.1007/s10708-020-10298-x(0123456789().,-volV)(01234567
4. **Assessment of geoheritage and prospects of geotourism: An approach to geoconservation of important geological and geomorphological sites of Puruliya district, West Bengal, India (2020), International Journal of Geoheritage and Parks**,Elsevier, : http://www.keaipublishing.com/en/journals/ international-journal-of-geoheritage-and-parks,

5. **Influence of basin-wide geomorphology on arsenic distribution in Nadia district (2020), Environmental Research**, Elsevier, https://doi.org/10.1016/j.envres.2020.110314

6. **Assessing flood risk using analytical hierarchy process (AHP) and geographical information system (GIS): application in Coochbehar district of West Bengal, India (2019), Natural Hazards**, Springer, https://doi.org/10.1007/s11069-019-03737-7 1 3

7. **Application of multi-criteria decision making technique for the assessment of groundwater potential zones: a study on Birbhum district, West Bengal, India (2018) Environment, Development and Sustainability**. Volume 22 Number 2 Springer, DOI 10.1007/s10668-018-0227-7, ISSN 1387-585X, PP 931-955
8. **Assessment of Lower Subarnarekha River's Reaches through Channel Classification (2018), Indian Journal of Spatial Science** Vol - 9.0 No.1 , EISSN: 2249 – 4316, ISSN: 2249 – 3921, pp. 65 – 73
9. **Spatial and Temporal Variations of the Hydrological Characteristics of the Subarnarekha River, Eastern India (2018), Earth Science India** , V. 11 No 11, eISSN: 0974 – 8350 , http://www.earthscienceindia.info/, pp. 183-200
10. **Vulnerability assessment through index modelling: a case study in Muriganga-Saptamukhi interfluves, Sundarban, India. Arabian Journal of Geosciences**. (2017). Doi: 10.1007/s12517-017- 3197-4
11. **Fluvial systems: Interruptions and Consequences (2016), Practising Geographer,** Vol 20.No 2 Foundation of Practising Geographers,ISSN 0975-3850, pp1-15
12. **Optimum Utilization of Wetlands: Rural water resource (2016),** ***Land use planning and Management***. Edited by Prof. Subhash Chandra Mukhopadhyay, and et.el Institute of Landscape Ecology and Ekistics, Kolkata. PP 59-72. ISBN-978-81-928047-6-7
13. **Bank erosion and its Management: Case study in Muriganga-Saptamukhi Interfluve Suderban, India.** (**2016). Geography Review of India** Vol78 no 2 pp146-161,ISSN 0375-6386
14. **Quantitative study of shoreline changes and erosion hazard assessment: case study in Muriganga-Saptamukhi interfluve, Sundarban, India**. **(2016), Modelling earth systems and Environment**, Vol 2, No 2, Springer, ISSN 2363-6203
15. **Surface Runoff and Soil erosion Dynamics: A Case study on Bakreshwar river basin, eastern India (2015), International Research Journal of Earth Sciences**, Vol. 3 No 7, ISSN 2321–2527 pp 11-22,

16. **Number,size,distributionand status of ponds in Kopai river basin,Eastern India, (2015),International Journal of Geomatics and Geosciences**, Volume 5 No 3 pp 448-458,ISSN 0976- 4380

17. **Changing Flood Intensity Zone of Dwarka River Basin in Eastern India, (2014), Transactions,** Vol. 36, No 1, ISSN 0970-9851
18. **An Assessment on the Nature of Channel Migration of River Daina of Sub-Himalayan West Bengal Using Field and GIS Techniques. (2014). Arabian Journal of Geosciences,** Springer Heidelberg, 22nd August,2014 doi:10.1007/s12517-014-1594-5 ISSN- 1866-7511.
19. **Assessment of Bank Erosion Probability: A Study on Kunur River,Eastern India (2014) , International *Journal of Geology, Earth and Environmental Sciences,*** CIBTech, 4(2):pp216-223. ISSN 2277-2081.
20. **A Comparative study on the Nature of Channel Confluence Dynamics in the Lower Jaldhaka River system, (2014), West Bengal, India, International *Journal of Geology, Earth and Environmental Sciences,*** CIBTech, 4(2):pp87-97. ISSN 2277-2081.
21. ***Channel Deranging and its Impact: A study on Mayurakshi – Kuya Interfluve, Santal pargana and Birbhum District, Jharkhand and West Bengal, (2013),* Journal of Indian Geomorphology**, Indian Institute of Geomorphologists (IGI), Volume 2. ISSN 2320-0731.
22. **Effect of sand splay on the Agro-economic status of the river astride villages of Lower Ajoy, West Bengal(2012) Sustainable Agriculture and Environment,** New Delhi Publishers, pp 219-236, ISBN 978-93-81274-12-5.
23. **Trend of Flood at Riverine Bengal Basin of Kandi block of Murshidabad District: A hydrogeomorphological overview (2011), Indian Journal of Geography and Environment** Vol 12, Vidyasagar University,Midnapur, pp09-18, ISSN 0972-7388.
24. **Changing flood character of lower Mayurakshi river basin below Tilpara Barrage: A case study *(2*010) Indian Journal of Landscape System and Ecological Studies,** Vol 33 No.1, Institute of Landscape, Ecology and Ekistics. Kolkata Pp 83-88 ISSN 0971-4170
25. **A Geo-Environmental Assesment of Flood dynamics in Lower Ajoy River Inducing Sand Splay Problem in Easter India**. (**2010) Ethiopian Journal of Environmental Studies and** Management Vol3 No2, 2010 Department of Geography and Environmental Studies, Bahir Dar University, Ethiopia Pp 96- 110, ISSN-1998-0507.
26. **Emerging Hydro-geomormorphic and Ecological Problems in Barul wetland within Ajay River Basin, West Bengal (2010) Indian Journal of Geomorphology,** Volume 15(1+2), Indian Institute of Geomorphologists, Allahabad University, pp81-92 ISSN: 0973-2411
27. **Potential ground water layer detection and water quality assessment: A study on Kandi block of Murshidabad district, West Bengal (2010) Journal of Applied Hydrology** Vol XXIII,No 3&4, Association of Hydrologists of India, Andra University,

ISSN 0971-670X pp 19-27.

28. **Impact of Tilpara Barrage on the environment of Mayurakshi confluence** (2009*)* Indian Journal of Geomorphology,Vol 13+14, Allahabad, pp 178-187. ISSN: 0973-2411
29. **Sandsplay as a Disaster in the lower Ajay river basins of Eastern India (2009) Eastern Geographer,Vol** XV,No.1, , Utkal University, Bhubaneswar, pp 49- 54 ISSN 0973-7642.
30. **Determinants and Reclamation of Wasteland: A study of Kopai River Basin In Birbhum District** (2008) **Perspectives in Resource Management in Developing Countries** (Vol. 3), Concept Publishing Co. New Delhi. pp 52 – 62.
31. **Changing Man land Ratio affecting the land use trend: A case study in an age old river basin of lower West Bengal (2008) Eastern Geographer**, Vol14, Dept. of Geography, Utkal University, Bhubaneswar.
32. **Granulometry of soil, climatic panorama and spatio temporal dynamics of soil erosion of Santiniketan badland-A parametric statistical approach (2008) Indian Journal of Landscape System and Ecological Studies,** Vol 31 No.1, Institute of Landscape, Ecology and Ekistics. Kolkata pp 185-194
33. **Abandoned Channels: Product of River Bank Erosion (2008) River Bank Erosion and Land loss**. Ed. Volume Pub. By Visva Bharati, Kolkata, ,pp 93 – 103.
34. **Bank Erosion of River Ganga, Eastern India – A Threat to Environmental System Management** (2007) Published by Le Geo Congress International (www. Quebec 2007. ca/pdf/salle 204a/séance 21/articles/s_ mukhopadhyay.pdf)
35. **Fluvio Geomorphic Environment of Sundarbans: An Overview (2005) Sundarban, Problems and Prospects** (Edited Volume) acb Publication Kolkata., pp 59-68.
36. **Evolution of Saraswati River Basin,West Bengal (2005) , Indian Journal of Landscape system and Ecological Studies** Institute of Landcape, Ecology and Ekistics. kolkata, Vol 28 No 2, pp174-178.
37. **River Bank Erosion and Land Degradation: A Study on River Ganga** (2003) Land Degradation andDesertification (Edited Volume). Rawat Publication, New Delhi. pp 366-

Book Publications:

1. **Current Practice in Fluvial Geomorphology-Dynamics and Diversity** (2020), Joint Editor, IntecOpen Publisher, ISBN 978-1-78984-579- 2
2. ***Bhugoler Abhidhan*** **(Geographical Dictionary)** (2013), acb Publications, Kolkata, ISBN978-81-932768-7- 7
3. **Dynamic Fluvio-geomorphological Environment of Indian Sundarbans** (2012), Lambert Academic Publishing, Germany, ISBN 978-3-8443-1370-3.
4. **Advanced River Geography** (2010), acb Publications Kolkata, ISBN 81-87500-33-6.
5. **Study of River pollution, Same examples from Eastern India** (2006), acb Publications Kolkata, ISBN 81-87500-39-5
6. **Terrain Analysis & its impact on Land use** (1992), Vohra Publishers, Allahabad, ISBN 81-85072-74-4

Research Projects:

Principal Investigator of UGC sponsored Major Research Project on '**An approach to the abatement of flood hazards of Mayurakshi River basin of West Bengal, Eastern India, through Geo – economic Management',** since March, 2010 to July, 2012.

Other Performances:

a.Trekked along river Kopai (1991),Ajay(1995),Kopai(2017,in celebration of silver jubiler) to promote environmental awareness among the bank dwellers.

b.Organized environment awareness camp with school children villages of Illumbazar forest area on the use of domestic and drinking water as a part of **NEAC programmed of CentralGovt**. (2003).

c.Organized workshop & training on the '**Indeginous Pest Management'** at village Dholla atIllumbazar as a part of Participatory Environment Management Project of **Dept. of Environment West Bengal** (2003)

d.Establishment of a night supplementary study centre for the tribal children of Morgaboni of Chowpahari forest area of Illumbazar (2004) Flood relief programme in some villages namely Rajatpur, Gitgram, Mohul etc. along riverAjoy in the year 2005