

**FACULTY MEMBER ACADEMIC PROFILE**

1. **Name of the Faculty member:** Dr. LILA MAHATO
2. **Designation:** Associate Professor in Geography
3. **Qualification:** M.Sc. (C.U), B. Ed. (C.U.), Ph.D. (V. U)
4. **Specialization:** Cartography, Fluvial Geomorphology
5. **E-mail address:** lila\_mahato@yahoo.co.in
6. **Date of Joining in W.B.E.S.:** 16.03.2001
7. **Date of Joining in this College:** 11.07.2014
8. **Total Teaching experience at the college level:** 24 years  
(UG and PG level)
9. **Research interests:** Mapping and Analysis, Rural  
Development, Fluvial Geomorphology, Environmental Geography



**10. Title of thesis (Ph.D.) with year:** Assessment of Livelihood Support System in the Landscape of Dulung Basin with Integrated River Basin Management Approach. Year: 2015

**11. Research guidance:** PG Dissertation work at Krishnagar Govt. College. Number: 27 (till 2021)

Sl. No.	Title of the Dissertation Work	Academic Year
1	Mapping and Analysis of Water Resources of Nabadwip Municipality, Nadia District, West Bengal	2014-2015
2	Assessment of Literacy Status of Nabadwip Municipal Town, Nadia District, West Bengal	2014-2015
3	Formation and Changes of Mid-channel Bar at Mangaldwip Char, Nadia, West Bengal	2015-2016
4	River Decaying of Ichamati River in North 24 Parganas and its Consequences	2015-2016
5	Process –Form Interactions of Bedrock Channel: A Study on Bhatajhor River in Eastern India	2015-2016
6	Bank Erosion Problem Along Bhagirathi - Hooghly at Nasratpur –Jaluidanga Mouza, Purb Bardhaman, West Bengal	2016 -2017
7	Assessment of Meander Cut-off and Associated Changes of Dulung river, West Bengal	2016 -2017
8	Channel Morphology of Tarafeni River, Paschim Medinipur, West Bengal	2016 -2017
9	Morphometric Analysis of Tarafeni River basin, Paschim Medinipur, West Bengal	2016 -2017
10	Meander Dynamics and Problem of River Bank Erosion at Samudragarh, Purbasthali I block, Purba Bardhaman, West Bengal	2017-2018
11	Catchment Area Analysis of Tarafeni Watershed, West Bengal	2017-2018
12	Identification of Fluvial Geomorphic Features Along Bhagirathi-Hooghly River from Chupi Char to Char Kaldanga, West Bengal	2017-2018
13	Importance of Check Dam for Rain Water Harvesting: A Case Study of Tarafeni Watershed, Jhargram District, West Bengal	2017-2018
14	Analysis of Turga Basin and Impact of Proposed Turga Power Supply Project, Ayodhya Hills, Purulia, West Bengal	2018 -2019
15	Fluvio Geomorphic characteristics of Ayodhya Hills, Purulia, West Bengal	2018 -2019
16	Socio Economic Study of Nabadwip Town, West Bengal: An Appraisal	2018 -2019
17	Assessment of Urban Morphological Characteristics of Jhargram Town, West Bengal	2018 -2019
18	Mapping and Analysis of Demographic Aspects of Jhargram Municipal Town, West Bengal	2018-2019
19	Hypsometric Analysis of Turga Watershed, Purulia, West Bengal, India	2020-2021

20	Spatio-temporal changes of Floodplain characteristics along Hooghly River in Nadia and Purba Bardhaman District, West Bengal	2020-2021
21	Formation and Geomorphic Changes of an oxbow lake: at purbasthali, Purba Bardhaman, West Bengal, INDIA	2020-2021
22	Assessment of Mid Channel Bars in Lower Course of Bhagirathi- Hooghly River, West Bengal, India	2020-2021
23	Morphometric Analysis of Turga Watershed, Purulia district, West Bengal, India'	2020-2021
24	Fluvio-Geomorphic Landscape Of Meander Cut Off Near Agradwip-Kalikapur Area Of Bhagirathi River, West Bengal, India	2021-2022
25	Geodynamic Assessment of Mid-Channel Bars of The Bhagirathi-Hooghly River, West Bengal, India	2022-2023
26	Meander Dynamics and Associated Changes of Bhagirathi-Hooghly River, West Bengal, India – An Analysis	2022-2023
27	Spatio-Temporal Change Analysis of Floodplain Features along Bhagirathi -Hooghly River in Nadia and Purba Bardhaman	2022-2023

## 12. Research Projects (Completed and ongoing): Minor Research Project (Completed)

(2007-2009) Topic: TERRAIN ANALYSIS OF DULUNG BASIN

## 13. List of publications:

### A) Published papers in Journals and Books:

1. Mahato, L. (2023). Issues and Management Strategies of the Riparian Corridor of the Dulung River Basin, India. In: Paul, A.K., Paul, A. (eds) Crisis on the Coast and Hinterland. Springer, Cham. ISBN978-3-031-42230-0, Online ISBN978-3-031-42231-7.  
[https://doi.org/10.1007/978-3-031-42231-7\\_12](https://doi.org/10.1007/978-3-031-42231-7_12),
2. Mahato, L. (2023), Significance of Watershed Management with IRBM Approach –from Dulung Basin Perspective, West Bengal, India, IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P-ISSN 2349-5138, Volume.10, Issue 2, pp.305-316, May 2023,  
<http://www.ijrar.org/IJRAR23B2442.pdf>, <http://doi.org/10.1729/Journal.34113>
3. Mahato, L., (2021), An Insight into the Land and Life of Tribals in Junglemahal, West Bengal, India, *Ind. J. of Landscape Systems and Ecological Studies*, vol. 44 (2), Dec. - 2021, 26- 47, ISSN 0971-4170, *Special Volume-*: POPULATION AND HUMAN HABITATS, pp. 26- 47,  
[https://ilee.org.in/PdfDocs/ILEE\\_Volume\\_44\\_No\\_2\\_December\\_2021.pdf](https://ilee.org.in/PdfDocs/ILEE_Volume_44_No_2_December_2021.pdf)
4. Mahato, L., and Samanta, R.K., (2021), Flood Risk and Vulnerability Analysis along Subarnarekha River with Special Emphasis on Dulung Basin, India, *edt vol. Selected Essays on Perspectives of Man and Environment: A Harmonious Co-Existence*, Buuk Pub. ISBN-13: 978-93-90976-02-7
5. Mahato, L. Analysis of Transport Network for Assessment of Tourism Potential of Jhargram District, West Bengal, India, *Indian Journal of Spatial Science* ISSN: 2249 – 3921, *Autumn Issue, 11(2) 2020 pp.46 - 53* Cosmos Impact Factor 2018:6.521 Advanced Sciences Index 2019:1.320 IP Index 2019:2.080

6. Mahato, L., Mahanta, S., *Catchment Area Analysis of Tarafeni River based on Morphometric Characteristics, West Bengal, India*, International Journal of Science and Research (IJSR) Vol. 8, Issue 5, May 2019, ISSN: 2319-7064, pp. 1428 -1435
7. Mahato, L., *Radhanath Sikdar o tar Abodan*, Bhugol o Paribesh, 1<sup>st</sup> year, No. 4, October 2013, ISSN 2321- 4694, pp 16 – 17.
8. Mahato, L. *Habitat, Economy, and Society of two villages along Dulung river*, Geo- Analyst, vol – 2, No. 1. Geographical Society of North Bengal, July 2012. ISSN: 2249, pp 18-25
9. Mahato, L. *The Livelihood Dynamics of Jungle Mahal in West Bengal – An Analysis*, Foundation of Practising Geographer, vol 16, No. 1, Summer 2012. ISSN 0975 – 03850, pp 75- 86.

#### B) Conference Proceedings:

1. Mahato, L. (2018), Assessment of Livelihood support System in River Landscape of Dulung, West Bengal, *Proceedings of the 4th Annual International Conference on Modern Perspective in Geography*, Pascimbanga Anchalik Itihas O Loksanskriti Charcha Kendra, ISBN 978-93-88207-06-5, pp. 131 – 144
2. Mahato, L. (2013), Poverty Reduction and Livelihood Strategies - a Focus on Dulung Basin, *Proceedings of the International Conference, on Rural Development: Challenges and opportunities*, Geographical Society of North Bengal, ISBN 978- 81-927059-0-3, pp. 140- 147
3. Mahato, L., 2010, Assessment of water resource and livelihood system in Dulung Basin, West Bengal, Indian Cartographer, Journal of The Indian National Cartographic Association, (ISSN-0972-83920), Theme paper in the *Proceedings of the XXX INCA INTERNATIONAL CONGRESS on Cartography and Sustainable Development at Dehradun, 10-12 November 2010*.

#### Magazines

1. “Rivers - The Lifeline”, EQUINOX, June 05, 2023, Volume **04**, Department of Geography, Krishnagar Government College, pp- 47-49, 2024
2. “Geographical space in Bengali Literature” *Equinox*, Volume 3, E-magazine, Department of Geography, Krishnagar Government College, pp- 32-33, 2023
3. “Rajbari Tourism in West Bengal- A New Arena with Great Potential”, *Equinox*, Volume 2, E-magazine, Department of Geography, pp- 58-59, 2022
4. “*Khamatayoner pothe Gramer Meyera*”, *Sanghati*, Issue 43, Jhargram jela mela o jubo utsab, 2018, pp- 53 -55
5. “*Prastabiti Jela Jhargram: kichu Katha*”, *Sanghati*, Issue 41, Jhargram jela mela o jubo utsab, 2017
6. *Jungle Mahal – The Past and the Present*, Traverse, Presidency College Geographical Institute, pp 21-24. 2010
7. *Rural Study – The need and special importance in India*, Traverse, 2008, Presidency College, Geographical Institute, Kolkata.
8. “*Bandh Nirman- Upojogita, Bitarka ebong Kichu Prashna*”, Gana Bignan Chetana Pp-15-18. March’2001.

9. “Nari O Paribesh, Gana Bignan Chetana, Pp- 56-59, Dec’2000
10. “Paribesh o Unnayan”-Gana Bignan Chetana, Pp- 14-17. Sep’2000.
11. *The Lodha Tribe of Medinipur District. West Bengal* -The Observer, C.U. 1992, Pp- 29-32

**1. Membership of Learned Societies/ Editorial Boards, etc.:**

Life Member of

- i. INCA (Indian National Cartographic Association, Hyderabad)
- ii. Geographical Society of India, Kolkata
- iii. ILLEE (Institute of Landscape, Ecology and Ekistics, Kolkata)
- iv. IGI (Indian Institute of Geomorphologists, Allahabad)
- v. FPG (Foundation of Practicing Geographers, Kolkata)

**2. Patents:** Nil

**3. Awards:** Nil

**4. Other notable activities:** Last 5 years -

- a. Took part as a member in designing New Curricula and courses of UG and PG in the CBCS system –University of Kalyani (2018- 2019)
- b. Took part as a member in designing New Curricula and courses of PG in CBCS system – University of Kalyani (2021- 2022)
- c. Invited Lecture on Environment at Jhargram Boimela, Jhargram, 7 April 2023.
- d. Departmental Excursions:
  1. Supervised departmental Excursion of 25 students of PG 2<sup>nd</sup> Sem in Chandipur, Orissa, in March 2017 (5 days).
  2. Conducted Field Survey of special paper students, Sem 4 (2) near Samudragarh area, Purba Bardhaman in May’2017 (1 day).
  3. Conducted Field Survey of special paper students (4) to Tarafeni River basin, Belpahari Jhargram in April’2018 (3 days)
  4. Conducted Field Survey of special paper students, Sem 4 (2) to Samudragarh area in May’2018 (1 day)
  5. Supervised departmental Excursion of 17 students of PG 2<sup>nd</sup> Sem in and around Ayodhya Hills, Purulia in March 2019 (5 days).
  6. Guided the students of Sem -4 in Field Survey (special paper urban Geography students-2) in Jhargram Municipal Town, April’2019 (3 days)
  7. Conducted field survey of special paper students, Sem 4 (3) to Balagarh area along Bhagirathi -Hooghly river in July, 2023.

**5. A) Participation in Seminars/Symposia/Conferences/Workshops:**

Sl. No.	Title of the Invited/ Paper presented	Title of Conference / Seminar	Organized by	Whether International National/State/ University
1	As Invited Guest (Lead lecture)  Impact Assessment of Urban Expansion: A study of Jhargram Municipal Town, West Bengal, India.	A-two day International Conference on Urban India: Problems and Prospects 27- 28 September, 2024	Foundation of Practising Geographers at S. N. Bose Centre for Basic Sciences, Kolkata	International
2	Analysis of Geomorphosites for Assessment of Tourism Potential of Tarafeni River Basin, West Bengal, India	33rd IGI Conference on the theme Geomorphology and Environmental Sustainability 02–04 December, 2021.	Department of Geography, University of Allahabad, Prayagraj	International
3	As Invited Speaker  Watershed Management: The Need and Significance	Four Day online Special Lecture Series “Rediscovering Geographies: Contemporary Issues and Challenges 30.06.2021	Egra SSB College, Purba Medinipur and Belda College, Paschim Medinipur	State
4	As Resource Person  Livelihood in Rural and Urban India	National Webinar on Livelihood Challenges in India Date: 11.07.2020	Department Geography and Department of Economics in collaboration with IQAC, Barasat Govt. College, N. 24 parganas, W.B.	National
5	Mapping the Impacts of River Bank Erosion along Bhagirathi- Hooghly: A Study of Jaluidanga- Nasratpur, Purba Bardhaman, West Bengal	39th INCA International Congress on New Age Cartography and Geospatial Technology in Digital India 18-20 Dec’2019	Survey of India, Dehradun, Dept of Science and Technology	International
6	Assessment of Livelihood Support System in River Landscape of Dulung, West Bengal	4th Annual International Conference 14 th -15 th July, 2018	Pascimbanga Anchalik Itihas O Loksanskriti Charcha Kendra Asutosh College, Kolkata	International
7	Analysis of Transport Network for Assessment of Tourism Potential of Jhargram District, West Bengal, India	Natural Resource Management for Sustainable Development and Rural Livelihoods 26-28 oct’ 2017	School of Earth Resource and Natural Resource Management Mizoram University, Aizwal	International
8	Natural Resources Mapping of Junglemahal Area in West Bengal, India	36th INCA International Congress on Cartography for Analysis and Management of Climate Change, Nov 09-11, 2016.	INCA, Kolkata and Visva Bharati, Shantiniketan	International
9	Scarcity of Water and The Role of Integrated Water Resource Management Approach	National Seminar on Environmental Degradation: Prevention, Conservation and Management in India	Subarnarekha Mahavidyalaya Gopiballavpur, Paschim Medinipur	National

		Sep 27-28, 2016		
10	Clay Modelling Industry of Ghurni, Krishnagar, Nadia, W.B. – An Analysis	National Seminar on Geography of Habitat. Feb 26-27, 2016.	Foundation of Practicing Geographers at S.N. Bose National Center for Basic Science, in Kolkata	National
11	Livelihood and Food Security System among the Tribes of Jhargram Sub Division, Paschim Medinipur District, West Bengal	10 <sup>th</sup> DGSi International Geography Conference on Sustainable Planet Earth: Ecological Dimensions and Strategies, 17- 19 Oct 2015.	Mohanlal Sukhadia University, Udaipur, Rajasthan, India	International
12	Assessment of Tourism Potential of Junglemahal Area, West Bengal, India	Geomorphology and Geospatial Technology in Environment Management and Societal Development, Nov 14-17'2014	Department of Geography and Environment Management Vidyasagar University	International
13	Livelihood – forestry linkages in Jhargram Sub Division of Paschim Medinipur District, West Bengal.	National Seminar on Remote Sensing and Environment 20- 22 March,2014.	School of Oceanographic Studies, Jadavpur University D S T, W.B	National
14	Remote Sensing and GIS in Mapping and Spatial Analysis	National Seminar on Remote Sensing and GIS, 30- 31 March'2013	Foundation of Practicing Geographers, Anthropological Survey of India, Kolkata	National
15	Forest resource on Jungle Mahal in West Bengal, India	UGC sponsored National Seminar on Resource Assessment, Sharing and Management: Crisis and Conflict 19 – 20 March, 2012	Department of Geography and Environment Management, Vidyasagar University, Midnapore.	National
16	Mapping and Analysis of Dulung River Basin with Integrated Water Resource Management (IWRM) Approach	UGC sponsored National Seminar on Resource Management and Sustainable Development 23- 24,2011.	East Calcutta Girls' College, Kolkata and NATMO on September	National
17	Livelihood Dynamics of Junglemahal in West Bengal – An Analysis	National Seminar on Geography: Space, Time and People Feb 11-13, 2011.	Indian Geographical Foundation and Anthropological Survey of India, Ministry of Culture, Kolkata	National
18	Regional Mapping for Micro-level Planning- A Case Study of Dulung River Basin	XXIX International Congress on Technological Solutions in Urban & Regional Mapping 25 -27 Nov'2009	INCA and NATMO, Kolkata	International
19	Utilization of Resources in Dulung Basin- a Sustainable Development Approach	National Seminar on Catchment Management & Sustainable Development 27-28 March 2005	Institute of Landscape, Ecology & Ekistics and Indian Institute of Bio-Social Research & Development (Ibrad) Dept. of Geography, University of Kolkata,	National

20	Analysis of Landform in Dulung Basin	National Seminar on Applied Geography & Application of Remote Sensing and GIS 4-6 Feb'2005.	The Geographical Society Of India, NATMO, Kolkata and C.U, Dept. of Geography, University of Kolkata,	National
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### B) Participation in OP/RC/ FDP

1. Participated and completed **Faculty Development Programme (FDP)** on Exploring Dynamics of *National Education Policy 2020 with reference to NAAC perspectives* from 12-18 May 2023, organised by the Research Foundation of India and Parul University, Gujrat.
2. Participated and completed **Faculty Development Programme (FDP) / Quality Improvement Programme (QIP)** on *International Training Programme for Managing Regions* from 1– 6 December 2021, by the Department of Regional Planning, School of Planning and Architecture, New Delhi.
3. Participated and completed the **Faculty Development Programme (FDP) / Quality Improvement Programme (QIP)** on ‘*Geo-informatics Application in Planning*’ by the Department of Regional Planning, School of Planning and Architecture, New Delhi, from 14 December to 18 December 2020.
4. Participated and completed the **Faculty Development Programme (FDP) / Quality Improvement Programme (QIP)** titled ‘*Geo-informatics Application in Planning*’ from 14 Dec to 18 Dec 2020, by the Department of Regional Planning, School of Planning and Architecture, New Delhi
5. Participated and completed UGC- sponsored **Refresher Course in Earth Science** by Academic Staff College-CU, from 09 August'2010 to 28 August'2010 at the Department of Geology, University of Calcutta.
6. Participated and Completed UGC- sponsored **Refresher Course in Advancement in Water Resource Technology and Management** organized by the School of Water Resource Engineering, Jadavpur University, Dec 01- 21'2009.
7. Completed a **Short-term course** on “*GIS-Techniques and Applications*” at Indian Institute of Technology, Kharagpur, May 15-26' 2006.
8. Participated and Completed UGC- sponsored **Refresher Course** organized by ASC- CU in Geography at the University of Kolkata during Jan 02- Jan 21'2006.
9. Participated and Completed UGC- sponsored **Orientation Programme** organized by ASC- CU at the University of Kolkata from July 26- Aug 21'2004.
10. Completed a **Short course** on “*Aerial Photography, Remote Sensing and GIS*” at NATMO, Kolkata, May 14- 18'2001.