

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, Urban Geography, Fluvial Geomorphology, Rural Development.
5. **E-mail address:** lila_mahato@yahoo.co.in
lilamahato2071@gmail.com
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 college level:** 22 years (UG level)
18 years (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 - 24 (till 2022)

Sl. No.	Title of the PG 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 T*arafeni 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 of River Bhagirathi near Agradwip-Kalikapur Area, West Bengal, India	2021-2022

12. Research Projects (Completed and ongoing): Minor Research Project (Completed) (2007-2009) Topic: **TERRAIN ANALYSIS OF DULUNG BASIN, West Bengal, India**

13. List of publications:

A) Published papers in Journals and Books:

Journals:

1. 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
2. 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
3. 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
4. Mahato, L., *Radhanath Sikdar o tar Abodan*, *Bhugol o Paribesh*, 1st year, No. 4, October, 2013, ISSN 2321- 4694, pp 16 – 17.
5. 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
6. 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. “*Rajbari Tourism in West Bengal- A New Arena with Great Potential*”, *Equinox*, Volume 2, E-magazine, Department of Geography, pp- 58-59, 2022
2. “*Khamatayoner pothe Gramer Meyera , Sanghati*, Issue 43 Jhargram jela mela o jubo utsab, pp 53 -55, 2018

3. "Prastabiti Jela Jhargram: kichu Katha, Sanghati, Issue 41 Jhargram jela mela o jubo utsab, 2017
4. *Jungle Mahal – The Past and the Present*, Traverse, Presidency College Geographical Institute, Geographical Institute, Kolkata, pp 21-24. 2010
5. *Rural Study – The need and special importance in India*, Traverse, 2008, Presidency College,
6. "Bandh Nirman- Upojogita, Bitarka ebong Kichu Prashna", Gana Bignan Chetana Pp-15-18 March'2001
7. "Nari O Paribesh, Gana Bignan Chetana, Pp- 56-59, Dec'2000
8. "Paribesh o Unnayan"-Gana Bignan Chetana, Pp- 14-17. Sep'2000.
9. *The Lodha Tribe of Medinipur District. West Bengal* -The Observer, C.U. 1992, Pp- 29-32

14. 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)

15. Other notable activities: Last 5 years

- a. Took part as a *member of UGBOS & PGBOS* 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 of PGBOS* in designing New Curricula and courses of PG in CBCS system –University of Kalyani (2021- 2022)
- c. *Departmental Excursions/ field visits:*
 1. Supervised departmental Excursion of 25 students of PG 2nd 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 2nd Sem in and around Ayodhya Hills, Purulia in March, 2019 (5 days).
 6. Guided the students of PG Sem IV in Field Survey, special paper Urban Geography students-2) in Jhargram Municipal town, April'2019 (3 days)
 7. Guided one student of PG Sem IV in Field Survey (special paper -Fluvial Geomorphology) at Chakundi Bill area of River Bhagirathi near Agradwip-Kalikapur, West Bengal, July 28

& 29,2022 (2 days)

- d. **Organised an International Webinar** on “*Contemporary Urban Scene*” in the Post Graduate Department of Geography in collaboration with IQAC, Krishnagar Government College, West Bengal, India on August 01, 2020.
- e. Arranged an **International Webinar as a convener** on ‘*Environmental Disaster: Issues, Impacts, and Mitigation*’, in the Post Graduate Department of Geography, Krishnagar Govt. College, in association with the Internal Quality Assurance Cell (IQAC) on July 14, 2021
- f. Arranged a **National Webinar as a convener** on ‘*Geomorphology: Recent Trends and Related Issues*’, in the Post Graduate Department of Geography, Krishnagar Govt. College, in association with the Internal Quality Assurance Cell (IQAC) on October 24, 2021

16. 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 <i>Invited Speaker</i> 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
2	As <i>Resource Person</i> 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
3	Mapping the Impacts of River Bank Erosion along Bhagirathi- Hooghly: A Study of Jaluidanga- Nasratpur, Purba Bardhaman, West Bengal	39 th 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
4	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
5	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

6	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
7	Scarcity of Water and The Role of Integrated Water Resource Management Approach	National Seminar on Environmental Degradation: Prevention, Conservation and Management in India Sep 27-28, 2016	Subarnarekha Mahavidyalaya Gopiballavpur, Paschim Medinipur	National
8	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
9	Livelihood and Food Security system among the Tribes of Jhargram Sub Division, Paschim Medinipur District, West Bengal	10 th DGS International Geography Conference on Sustainable Planet Earth: Ecological Dimensions and Strategies, 17- 19 Oct, 2015.	Mohanlal Sukhadia University, Udaipur, Rajasthan, India	International
10	Assessment of Tourism Potential of Jungle mahal Area, West Bengal, India	Geomorphology and Geospatial Technology in Environment Maanement and Societal Development, Nov 14-17'2014	Department of Geography and Environment Management Vidyasagar University	International
11	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
12	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
13	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
14	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
15	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
16	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

17	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
18	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

B) Participation in OP/RC/ FDP

1. Participated and completed the *Faculty Development Programme (FDP) / Quality Improvement Programme (QIP)* on *International Training Programme for 'Managing Regions'* by the Department of Regional Planning, School of Planning and Architecture, New Delhi, from 1 – 6 December' 2021.
2. Participated and completed *Faculty Development Programme (FDP) / Quality Improvement Programme (QIP)* titled '*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.
3. Participated and completed UGC- sponsored *Refresher Course in Earth Science* by Academic Staff College-CU, at the Department of Geology, University of Calcutta, from 09 August'2010 to 28 August'2010
4. 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.
5. Completed a *Short-term course* on "*GIS-Techniques and Applications*" at Indian Institute of Technology, Kharagpur, May 15-26' 2006.
6. Participated and Completed UGC- sponsored *Refresher Course* organized by ASC- CU in Geography at the University of Kolkata from Jan 02- Jan 21'2006.
7. Participated and Completed UGC- sponsored *Orientation Programme* organized by ASC- CU at the University of Kolkata from July 26- Aug 21'2004.
8. Completed a *Short course* on "*Aerial Photography, Remote Sensing and GIS*" at NATMO, Kolkata, May 14- 18'2001.