



ENLIGHTENMENT TO PERFECTION

UNIVERSITY OF NORTH BENGAL

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Raja Rammohunpur, Dist- Darjeeling, West Bengal, Pin-734013, India.



Department of Geography and Applied Geography

Dr. Indira Lepcha Nee Lama; Ph. D

Associate Professor

Members of Learned Societies: Geographical Society of India, Kolkata; Indian Institute of Geomorphologists, Allahabad, Association of North Bengal Geographers, Siliguri, The Deccan Geographers, Pune

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Subject Specialization: Urban Geography, Population Geography.

Areas of Research Interest: Population Dynamics; Urban Problems; Environmental Issues; Water Resources; Rural Development.

No. of Ph.D. Students: (a) Supervised: 02 (b) Ongoing: 04.

No. of M.Phil. Students: (a) Supervised: 01 (b) Ongoing: 02

No. of Publications: (a) Journal(s): 22 (b) Book Edited: 01 (c) Book Chapters: 05

Achievement & Awards:

Awarded membership of the following Committee:

- Member of CAT Working-cum-Monitoring Committee for implementation of TLDP IV NHPC, Government Advisory Committee (7.4.2009 to 7.47.4.2012)

Administrative Experiences:

- **Head**, Department of Geography and Applied Geography, North Bengal University from August, 2010 to August, 2012.
- **Course Coordinator** of Refresher Course in Geography (4th December, 2013 to 24th December, 2013)
Member of the Advisory Committee, Centre for Women's Studies, University of North Bengal (2012 to 2014)
- **Hostel Superintendent**, Law Hostel for Girls, University of North Bengal from 20th August, 2014 to 29th August 2017

- **Member** of the Advisory Committee, Local languages, University of North Bengal
- **Member** of Anti Ragging Committee as Superintendent of Law Hostel for Girls
- **Member** of the Board of Residence & Discipline as Superintendent of Law Hostel for Girls
- **Member** of Board of Under Graduate Studies in Geography, NBU w.e.f. 17.01.2017
- **Joint Convener** of the fieldtrip in the Darjeeling Himalaya, 9th International Conference of Geomorphology, 6th to 11th November, 2017
- **Head**, Department of Geography & Applied Geography, University of North Bengal, 25th August, 2016 to 24th August, 2018
- **Head**, Department of Geology, University of North Bengal, **June** 2018 to August, 2018
- **Academic Coordinator**, Department of Geography & Applied Geography, Jalpaiguri Campus, University of North Bengal, **June** 2018 to August, 2018
- **Member** of the Advisory Committee, Lifelong learning, University of North Bengal
- **Chairperson** of the UG Board of Studies in Geography, University of North Bengal from 17.04.2018 to date
- **Member** of the Election Commission of the NBUSA for Jalpaiguri Campus, University of North Bengal (9th January, 2017)
- **External Expert** of Departmental Research Committee (DRC) in Geography, Centre for Himalayan Studies, University of North Bengal from 2019 till date
- **Member** of Career Counselling Cell Member of Department of Lifelong Learning and Extension, NBU (5.08.2014)
- **Convener** of the UGC National Seminar on Population, Urbanization and Land Utilization, Department of Geography & Applied Geography, University of North Bengal, 2018
- **Convener** of the Seven Days Workshop on **Research Methodology**, Department of Geography & Applied Geography, University of North Bengal
- **Course Coordinator** of Refresher Course in Environmental Studies (3.1.2018-19.02.2018)
- **Member** of the Anti-Ragging Committee from 1st January, 2021 to date
- **Member** to the Working Committee/Academic Committee of Centre for Women's Studies, NBU from 15th February, 2021 till date
- **Member** of the Departmental Committee of the Department of Women's Studies from 2021 to date
- **Guest Faculty** of the Department of Women's Studies since the academic session 2021 – 2022 to member
- Formulating the UG Syllabus as Chairperson of the UG Board of Studies from Annual to CBCS Semester system.
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Research Projects

Completed (4):

- UGC SAP DRS-I programme on Geo-hazards in Sub-Himalayan North Bengal, 2009-2014.
- 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
- Water Crisis and the Emerging Role of Water Vendors in Darjiling Municipality, West Bengal”, vide letter Ref. No 4069/R-2017(SF-3) dated 06.11.2017, University of North Bengal, Government & Applied Geography, 2017, 75000/

Ongoing (1):

- Assessment of Water Footprint in the Darjiling and Kalimpong Municipalities of North Bengal, vide Ref. No. 2296/R-2022 dated 17.05.2022 (Rs. 150,000/).

Publications:

Books Edited: One

Publication in Book/Chapter:

Book/Chapters:

1. Study on the Occupational Status of Women of Matigara Community Development Block Darjeeling District, West Bengal, Journal of Women's Studies, Volume IX, ISSN-2320-3625, Centre for Women's Studies, University of North Bengal, December, 2020, pp. 56-69
2. A Vulnerability Assessment of Residents in Landslide Prone Area: A Study of Chibo Pashyor, Kalimpong District, West Bengal, The Journal of Oriental Research Madras, Vol. XCII-XXXIV, ISSN: 0022-3301, June 2021, pp. 40-46
3. Societal Perception and Attitudes Towards Domestic Solid Waste Practices in Darjeeling Municipality, West Bengal, The Journal of Oriental Research Madras, Vol. XCII-XXXIV, ISSN: 0022-3301, June 2021, pp. 47-57
4. Demographic Characteristics of the Socially Vulnerable Residents in Landslide Prone Area: A Study of Chibo Pashyor, Kalimpong District, West Bengal, 2021 pp. 76-84
5. Trend and Differentials of Total Fertility Rate by Background Characteristics in India: A Study from National Family Health Survey-1 to National Family Health Survey-4, 2021 pp. 51-75
6. Problems and Prospects of Cottage Industries in West Sikkim. Bijeta Chettri, Suman Sao & Indira Lepcha Nee Lama, 42-53 Geographical Thoughts, Volume XVIII 2020
7. An Overview of the Determinants of Mortality: A Global Perspective *Darshanam Jude Lama & Indira Lepcha Nee Lama. 2019 59-69* Geographical Thoughts, Volume XVII. 2019
8. Women in Agriculture: A Case Study of Koch-Bihar District, West Bengal. Anwasha Saha & Indira Lepcha Nee Lama 51-58. Geographical Thoughts, Volume XVII. 2019
9. Spatial Variations in Urban Land Value and its Determinants: Kurseong Municipality, International Journal of Research in Social Sciences, Vol. 8; Issue 9, ISSN 0970-5023 2019
10. Solid Waste Disposal and Management in Kurseong Town, Darjeeling District – A Ward Level Analysis Hill Geographer XXXIV: 1, ISSN 0970-5023, 2018
11. Assessment of the water Crisis in Darjeeling Municipality vis-à-vis the Emerging Role of Water Vendors. Geographical Thoughts, Volume XVI. 2018
12. Trend of Urbanization from 1850 to 2011 in Darjeeling District, West Bengal, Seminar Volume on Population Growth, Urbanization and Land Utilization (ed. I. Lepcha Nee Lama), ISBN-978-81-921692-5-5, 2018
13. Fire Hazard Vulnerability zones in Darjeeling Municipality, West Bengal, Seminar Volume on Remote Sensing and GIS in Environmental Management, (ed. D.K. Mandal), ISBN-978-81-921692-8-6, 2017, Registrar, University of North Bengal
14. A Geographical Overview of the Water Resources in Darjeeling Municipality, West Bengal. Geographical Thoughts, Volume XV, 2017

15. A Study of Sex Ratio In Darjiling District, West Bengal Geographical Thoughts, Volume XIV ISSN 2229-466X, 2016
16. Multi Hazard Risk Assessment of Urban Areas Using Geospatial Technology, Seminar Volume on Applications of Geospatial Technology for Sustainable Development (ed. D. K. Mandal) ISBN 978-81-921692-7-9, 2015, 266-269. Registrar, University of North Bengal National Seminar
17. Water Crisis and the Emerging Role of Water Vendors In Darjeeling Municipality, West Bengal, Geographical Thoughts, Volume XIII, ISSN 2229-466X, 2015, 42-54.
18. Inequalities in Literacy: An inter-block study of Jalpaiguri Sadar and Mal sub-division of Jalpaiguri district (co-author, Rituparna Das) Geographical Thoughts Volume XII, ISSN 2229-466X, 2014, 90-95.
19. Risk perception and attitudes towards mitigation – A case study of Tindharia (co-author, Rumpa Pramanik), in SAP-DRS Monograph IV: Living with Hazards (ed. S. Sarkar), ISBN 978-81-921692-6-2, 2013.
20. An empirical study of the changes in spatial distribution and density of population in Darjeeling Municipality, West Bengal, Geographical Thoughts Volume XI, ISSN 2229-466X, 2013, 30-37.
21. Temporal Analysis of braid formation in the lower Balason valley, in Monograph III, Mapping Hazards and Disasters (ed. S. Sarkar), ISBN 978-81-921692-3-1, 2012, 104-112.
22. Regional Study of Geo-environmental aspects: A study of Balason basin, Darjeeling district, West Bengal, Journal of Geo-environment Observer, 24-36.
23. A comparative assessment of demographic attributes during 2001 and 2011 census for North Bengal districts, Geographical Thoughts Volume X, ISSN 2229-466X, 2012, 57-64.
24. Environment Impact assessment of the Balason Basin, Darjeeling, in Monograph II, Disaster Perception and Mitigation, (ed. S. Sarkar), ISBN 978-81-921692-1-7, 2011, 141-151.
25. A geomorphological study of the Bungkulung debris fan, Geographical Thoughts Volume IX, ISSN 2229-466X, 2011, 43-48.
26. Occurrences of landslides in the Balason Basin with special reference to Mirik landslide, in Monograph 1, Geo-Hazards in sub-Himalayan West Bengal, (ed. S. Sarkar), 2010, 62-69. Journals:
27. Evolutionary process and development of landform in the lower Darjeeling hills – A case study of Balason basin, Darjeeling, Geographical Thoughts, Volume VIII, 2010, 50-54

Seminars and Webinars attended

1. *EIA of the Balason Basin, Darjeeling Himalaya* Emerging Issues in Geography (20-21 March, 2010) Geography Department, Viswabharati, Shantiniketan & Indian Geographers Foundation
2. *Occurrences of landslides in the Balason Basin with special reference to Mirik Landslides* Geo-hazards in sub-Himalayan North Bengal Geography & Applied Geography, University of North Bengal
3. Training programme on “Introduction to ArcGis 9.3.x” (26-27 August, 2010)
4. *Environment Impact Assessment of the Balason Basin, Darjeeling*, Disaster Perception & Mitigation, Geography & Applied Geography, University of North Bengal
5. *Quantitative Assessment of soil loss in Balason Basin, West Bengal* 23rd Annual Conference of IGI Department of Geography; Gauhati University
6. One day User awareness programme on access to E-resources under N_LIST Programme, University Library in collaboration with IFNLIBNET Centre Ahmedabad; 10th February, 2012
7. *Temporal Analysis of Braid Formation in the Lower Balason valley* Mapping Hazards and Disasters Geography & Applied Geography, University of North Bengal SAP DRS-I UGC, National Seminar
8. Two days’ workshop as Resource Person 20.1.2012 to 21.01.2012 *Prevention and Cure of Health Hazards Caused by Environmental Pollution* Siliguri B.Ed. College, Kadamtala & Bangiyo Bhugol Mancha National; Sponsored by Department of Science & Technology, Government of West Bengal

9. *Environmental Impact Assessment in Balason Basin, West Bengal* (18.11.2016) Refresher Course on Disaster Management & Environmental Studies HRDC, NBU
10. *Environmental Degradation in the Darjeeling Hills, West Bengal* (19.11.2016) Refresher Course on Disaster Management & Environmental Studies HRDC, NBU
11. *Remote Sensing and application and current trends in machine learning*, 22-29 June, 2020 organized by Centre for Advanced Research in Environment And Remote Sensing, Dr. M.G. R. Educational and Research Institute, Chennai.
12. *Applications of GIS-RS based Techniques and Research Horizon in Geographical Studies*, 20th June, 2020, Admas School of Basic and Applied Sciences.
13. *Environmental Impact Assessment*, International Webinar on 28 June, 2020, Hindustan College of Engineering and Technology, Coimbatore, Certificate ID: XQBMW8-DE000088
14. *Remote Sensing: Latest Trends and Perspectives*, One Day International Webinar, 4 July, 2020, Computer Society of India, Student Branch, Assam University, Silchar in association with Dept. of Computer Science & Engineering, Assam University, Silchar.
15. *Challenges of Identifying Geographic Trends in Covid-19 Cases & Effect of Covid-19 Lockdown on Air Quality in India*, 10 June, 2020, Department of Geography, The Maharaja Sayajirao University of Baroda
16. *Origin of Monsoon and its Impact*, 9 July, 2020, Late N.P.W Arts & Science College Murmadi/Tup, Bhandara & Department of Geography & IQAC, Renuka College, Besa, Nagpur
17. *Geographical Perspectives of Water Resources: Issues & Challenges*, 16 July, 2020, Online round Table Conference organized by Russian Geographical Society (RGS) and the National Association of Geographers, India (NAGI)
18. *Statistics Automation in MS Excel*, 18 July, 2020, Department of Mathematical Sciences, Sree Vidyanikethan Degree College, Tirupati, Andhra Pradesh.
19. *Open Source GIS Software-QGIS*, 6-18 August, 2020, One Week Online Faculty Development Programme, Bansusr PG College, Rajasthan, KG Reddy College of Engineering & Technology, Hyderabad, IASE, Sardarshahr, Rajasthan and delivered a presentation on “**North Bengal Covid-19 Case Health Bulletin**”.
20. *Agriculture, Society & Sustainability*, 16 August, 2020, The Department of Geography & IQAC, Shyampur Siddheswari Mahavidyalaya.
21. *Post Covid Global Economy: A Rethink on Strategies and Policy*, 27-28 August, 2020, International Webinar, Department of Economics, University of North Bengal
22. *21 says Online GIS Training Program using QGIS*, 07-27 September, 2020, Department of Earth Sciences, Central University of Karnataka jointly with State Institute of Urban Development, Karnataka
23. *Research Methodology Using SPSS Software*, 20-21 October, 2020; Department of Geography K.M.C Language University, Uttar Pradesh.