



Dr./Mr./Mrs./Name: Dr. Sonam Lama

Designation in (subject): Assistant Professor (Grade-III) in Geography

Highest qualification: PhD

Contact details/ Office address: Dept. of Geography, Darjeeling Govt. College, Richmond Hill, Darjeeling-734101.

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Date of joining to this institution*:06.08.2009

Date of joining W.B.E.S.: 06.08.2009

Previous position(s) held/ Additional charges (if any):

- Whole time Lecturer at Ananda Chandra College, Jalpaiguri from August,2007- March,2008.
- Guest Lecturer at Kalipada Ghosh Terai Mahavidyalaya, Bagdogra from August,2007-August,2008.
- Junior Research Fellow at Centre for Himalayan Studies, NBU from March,2008- July,2009.

Teaching experience in years & months: 14 years 10 months and 01 days as on 07.06.2024.

Fellowship, Awards, Recognition and Honours (if any): University Fellowship (JRF) for pursuing PhD in Centre for Himalayan Studies, University of North Bengal.

Courses taught: Geotectonics, Climatology, Statistics, Remote Sensing and GIS, Surveying and Levelling, Advanced Cartography, Sustainable Development, Settlement morphology.

Research area/ interest: Fluvial Geomorphology, Neotectonics, Hazards and Vulnerability, Ecogeomorphology and Anthropogeomorphology.

List of publications-

***Peer reviewed journals:**

- **Lama S** and Maiti R (2019a) *Morphometric analysis of Chel river basin, West Bengal, India, using Geographic Information System.* e-Journal Earth Science India, v. 12, pp. 1-23. <https://doi.org/10.31870/ESI.12.1.2019.01>.
- **Lama S** and Maiti R (2019b) *Bank Erosion and Accretion along the Putharjhora- Kranti Reaches of the Chel River, Piedmont Sikkim Himalaya from 1955 to 2017.* e-Journal Earth Science India, v. 12 (III), pp. 158-172 <https://doi.org/10.31870/ESI.12.3.2019.12>.

- **Lama S** (2020) *Channel confluence dynamics in the lower Chel river system, eastern sub-Himalayan West Bengal, India*. Indian journal of Power and River Valley Development. Vol.-MAY-JUNE 2020. pp.93-102.
- **Lama S.** (2021a) *Geomorphological changes in response to sediment mining: few observations from Piedmont reach of the Chel River, Eastern Himalayas, West Bengal, India*. Shodh Sarita, Volume 8, Year 2021, pp. 206-211.
- **Lama S.** (2021b) *Impact of Bridges in Chel River Basin*. Shodh Sanchar Bulletin, Volume 11, Year 2021, pp. 98-103.
- Ghosh A., **Lama S.** and Dey S. (2024) *Assessment of geomorphic status and recovery potential in anthropogenically altered river of Eastern India*. Physical Geography. Taylor & Francis. <https://doi.org/10.1080/02723646.2024.2358572>. [IF-1.9].

***Conference proceedings:**

***Books/chapters in books etc. (if any):**

- Tamang L and **Lama S** (2013) *Balason River: An important source of Natural Aggregates in the Darjeeling Sub-Himalayas*". In: Choudhury S. & Roy D.C. (eds.), *Resource Management- Human and Natural; Perspectives on N-E Region*, Readers' Service, Kolkata, ISBN- 978-81-87891-47-5.
- **Lama S** and Maiti R (2022a) *Morphotectonics of the Chel River Basin, Eastern Himalaya, India: Insights from Shuttle Radar Topography Mission Digital Elevation Model- Based Geomorphic Indices*. In: H. N. Bhattacharya et al. (eds.), *Himalayan Neotectonics and Channel Evolution*, Society of Earth Scientists Series, https://doi.org/10.1007/978-3-030-95435-2_14. Springer Nature Switzerland AG 2022.
- **Lama S** and Maiti R (2022b) *An Appraisal to Anthropogeomorphology of the Chel River Basin, Outer Eastern Himalayas and Foreland, West Bengal, India*. In: S. Mandal et al. (eds.), *Applied Geomorphology and Contemporary Issues*, Geography of the Physical Environment, https://doi.org/10.1007/978-3-031-04532-5_2. Springer Nature Switzerland AG 2022.

Google Scholar link/ ResearchGate link/ ORCID ID ((if any):

Google Scholar ID- [ndurgH0AAAAJ](https://scholar.google.com/citations?user=ndurgH0AAAAJ),

ORCID ID- [0000-0002-9713-7745](https://orcid.org/0000-0002-9713-7745),

ResearchGate- <https://www.researchgate.net/profile/Sonam-Lama>.

Membership in Professional Bodies:

- Life member of Geographical Society of India (GSI), Kolkata, West Bengal.
- Life member of Indian Society of Remote Sensing (ISRS), Dehradun, Uttarakhand.

Presentations/ attended in conferences/ workshops/seminars/symposium etc:

- Participated in the UGC sponsored workshop on “*Modern Trends in Geography*” held at the Department of Geography and Applied Geography, University of North Bengal during February 22nd and 23rd, 2011.

- Participated in UGC sponsored National Seminar on “*Social Dimensions of Hazard Management*” organized by Dept. of Geography, Hijli College, Medinipur held on November 4-5, 2011.
- Presented a paper entitled “*The impact of Education Expenditure on India’s Economic Growth*” at 33rd Annual Conference of IIG and International Seminar on Population, Development and Disaster Management held during 8th- 11th February, 2012 organized by The Department of Geography and Disaster Management, Tripura University.
- Presented a paper entitled “*Balason River: An important source of Natural Aggregates in the Darjeeling Sub-Himalayas*” at UGC sponsored National Seminar on Interdisciplinary Approach to Resource Management in Eastern Himalayan Region: Human and Natural” organized by Kalimpong College, Kalimpong, Darjeeling during 24th- 25th March,2012.
- Presented a paper entitled “*Labour Migration from Dooars Region: Their exploitation and sufferings*” at ICSSR sponsored International Interdisciplinary Conference on Human Trafficking: Global Efforts to Combat and Challenges held during November 26-27,2012 organized by the Department of Geography, Darjeeling Govt. College, Darjeeling, West Bengal.
- Presented a paper entitled “*Importance of Dharas: A sustainable alternative for Management of Drinking water scarcity in the urban areas of Darjeeling Hills, West Bengal, India* on International Conference on Sustainable Development, 2013 at Chandigarh Judicial Academy, Chandigarh on 5th Dec,2013 jointly organized by Ontario International Development Agency, Ontario, Canada and Rajiv Gandhi University of Law, Patiala, Punjab.
- Participated in MHRD sponsored one day *Awareness Workshop on NMEICT* by NIT, Durgapur at Darjeeling Govt. College, Darjeeling on 22/11/2014.
- Participated in National Workshop on “*New Methodology of NAAC Evaluation: Problems & Possibilities*” during 9th – 15th March, 2015 at Southfield College, Darjeeling.
- Presented a paper entitled “*Significance of Dharas (Natural Springs) vis-à-vis Water scarcity in the urban areas of Darjeeling Hills, West Bengal, India* in UGC sponsored National Seminar on “*Environmental Degradation and Disasters- A vision plan for Sustainable Development*” at Coochbehar College,Coochbehar on 26th August,2016.
- Participated as invited speaker and presented a paper entitled “*Water Resource Management*” in Winter school on “*The Relevance of Studying Humanities and the Social Sciences in the Himalayan Region*” at Dow Hill, Kurseong Campus, Presidency University on 28.11.2016.
- Participated in the SERB(DST) sponsored 10 days *National Workshop on “Essential Laboratory and Field Techniques in Geosciences”* from 14th December,2016 to 23rd December,2016 in the Department of Geography and Environment Management, Vidyasagar University, Midnapore.

- Participated as invited speaker and presented a paper entitled “*Imprints of Neotectonics in the Chel River Basin, Northern West Bengal: Insights from Shuttle Radar Topographic Mission Digital Elevation Model- based geomorphic indices*” in Two Days’ National Seminar on ‘Environment, Development and Sustainability’ organized by the Department of Geography & Applied Geography, University of North Bengal, Jalpaiguri Campus, West Bengal during 15-16 March,2019.
- Participated as invited speaker and presented a paper entitled “*Spatio-temporal variability of bank erosion and accretion along the Putharjhora-Kranti reaches of the Chel river from 1955 to 2017*” in 31st IGI Conference and National Seminar on “Application of Geospatial Technology in Geomorphology and Environment” organized by the Department of Geography & Applied Geography, University of North Bengal, during 12-14 November,2019.
- Participated as invited speaker and presented a paper entitled “*Anthropogenic alteration of environment in Darjeeling-Sikkim Himalaya*” in one day National Seminar on ‘Eastern Himalayas and its Ecological Trends’ organized by Institute of Social and Cultural Studies (ISCS) in collaboration with Darjeeling Govt. College at Sinclairs Hotel, Darjeeling on 19th February,2020.
- Participated as invited speaker and presented a paper entitled “*Implication of Connectivity lines on Environment: few observations from outer and piedmont of Darjeeling -Sikkim Himalaya*” in “Coeval Discourse VIII on Impact of Connectivity on Environment and Ecology” collaborately organized by The Institute of Social and Cultural Studies, Kolkata (ISCS) and The Indian Council for Cultural Studies (ICCR), MEA, GOI on 05.06.2022 over Digital Platform of Googlemeet.
- Participated as invited speaker and presented a paper entitled “*Anthropogenic alteration of fluvial environment in the Chel River Basin, Outer Eastern Himalayas and Foreland, West Bengal, India*” in International Seminar on ‘Essence of Geography: What, Where, Why, and How’ organized by the Department of Geography, Cooch Behar Panchanan Barma University, Cooch Behar, West Bengal. Dated-11.11.2022-12.11.2022.
- Participated as invited speaker and presented a paper entitled “*Darjeeling and its Urban Waste*” in Two days ICSSR-ERC sponsored National Seminar on “Urbanization, Urban Environment and Sustainability in Himalayan and Sub-Himalayan Region” organized by the Department of Geography & Applied Geography, University of North Bengal, West Bengal. Dated-1st and 2nd July,2023.
- Participated as invited speaker and presented a paper entitled “*Landslide susceptibility mapping (LSM) of the Darjeeling and Kalimpong Districts, West Bengal, India using frequency ratio (FR) and fuzzy logic (FL) models*” in Ministry of Earth Sciences (MoES), Govt. of India sponsored Three days international seminar on “Emerging Issues in Environment, Livelihood and Development: A Future Road Map Towards Sustainable Earth” organized by the Department of Geography & Applied Geography, University of North Bengal, West Bengal during 26th to 28th January,2024.
- Participated as invited speaker and presented a paper entitled “*Anthropogeomorphology of outer Darjeeling-Sikkim Himalaya and its foreland*” in “Invite talk on understanding Physical Landscapes:

Cries from the Himalayas” organized by the Department of Geography in collaboration with IQAC, Southfield college, Darjeeling on 27.03.2024.

Details regarding participation in FIP/OP/RC:

- Participated and successfully completed ISRO sponsored “*Two weeks training programme on Remote Sensing and GIS for Natural Resources management*” held during 21st November -31st December 2011 at Sikkim Manipal Institute of Technology (SMIT), Majitar, Rangpo, Sikkim.
- Participated and successfully completed 21-Day DST & NDRMS sponsored “*Summer Training Programme (Summer School) on Geospatial Technology and Application*” organized by the Department of Geography, University of Burdwan, 25th June -15th July,2014.
- Attended and successfully completed UGC sponsored 89th *Orientation Programme* of ASC- JNU, New Delhi from 10.02.14 to 07.03.2014.
- Attended and successfully completed UGC sponsored *Refresher Course in Research Methodology (ID) (RC-NBU-62)* of UGC-HRDC, University of North Bengal from 08.07.15 to 28.07.2015.
- Attended and successfully completed Ministry of Youth Affairs & Sports, Govt. of India sponsored *5th Orientation Course for NSS Programme Officers* conducted by ETI, Ramakrishna Mission Ashrama, Narendrapur, Kolkata at University of North Bengal during 16th July to 22nd July, 2017.
- Completed one day online workshop on “*Machine learning for Remote Sensing Data Collection*” conducted by Indian Institute of Remote Sensing (IIRS), Dehradun, UK on 1st June, 2020.
- Completed online WGCapD Webinar Series on “*Remote Sensing in Crop Monitoring and Assessment*” conducted by Indian Institute of Remote Sensing (IIRS), Dehradun, UK during 19th May to 9th June,2020.
- Completed online course on “*Remote Sensing & GIS Technology and Applications for University Teachers & Government Officials*” conducted Indian Institute of Remote Sensing (IIRS), Dehradun, Uttarakhand during 13.06.2020-01.07.2020.
- Attended and successfully completed UGC- sponsored *Refresher Course (online) in “E-Learning & E-Governance (ID)* during 5th to 17th October, 2020 from HRDC, JNU, N. Delhi.
- Attended and successfully completed UGC- sponsored “*Refresher Course (online) in Geography*” during 11th- 23rd July, 2022 from HRDC, JNU, N. Delhi.

Research Project:

Completed UGC Minor Research Project entitled “*Monitoring of Channel dynamism: A case study on the Chel Basin*” during 2016-2019 awarded vide approval no. F.PHW-135/15-16 (ERO), Kolkata dated-02/12.2016.