

Dr. Kapil Ghosh

Assistant Professor of Geography
Diamond Harbour Women's University
Diamond Harbour Road, Sarisha, South 24 Parganas, West Bengal – 743368
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ACADEMIC DETAILS

- 2015 : **Ph.D.** (Geography and Disaster Management), Tripura University (A Central University)
Thesis title: A study of landslide and related phenomena through hazard and risk analysis in the hilly tracts of Dhalai District, Tripura
- 2012 : **UGC-NET** (National Eligibility Test) for Lectureship
- 2010 : **M.Sc.** (Geography and Disaster Management), Tripura University (A Central University)
Specialization: Environmental Geomorphology and Hazards
- 2008 : **B.Sc.** (Hons. in Geography), University of Calcutta

POST-DOCTORAL RESEARCH/TEACHING

- Assistant Professor** Department of Geography, Diamond Harbour Women's University, Since 01.09.2017
- Assistant Professor** PG Department of Geography, Asutosh College, Kolkata
From 01.06.2017 to 31.08.2017
- Post-Doctoral Fellow (UGC-DS Kothari)** Department of Geography. University of Calcutta, From 01.01.2016 to 31.05.2017
Research topic: Multi-scale modeling of landslide risk assessment in North Sikkim District, Sikkim, India
- Assistant Professor (Guest)** Department of Geography, Rajiv Gandhi University, Arunachal Pradesh, from 18.02.2015 to 24.12.2015

AWARD/ FELLOWSHIP

- **Travel Grant Award** of International Geographical Union to attend 33rd International Geographical Congress (IGC – 2016), Beijing, China
- **Second Prize** in Best Young Geomorphologists Competition of Indian Institute of Geomorphologists (IGI), 2015

- **Young Geomorphologists Fellowship** of International Association of Geomorphologists for attending AIG Regional Conference – 2015 (Russia)
- **INQUA grant Award** for Intensive course for Young Geomorphologists (ICYD), AIG Regional Conference – 2015 (Russia)
- **3rd Best paper award** at Regional Conference on Geoinformatics for Early Warning of Disasters with Special Emphasis on NE Region (18 – 19 September 2014) organized by ISG, Shillong Chapter, Shillong, India
- **Second Prize** in Best Young Geographers Competition of Institute of Indian Geographer (IIG), 2013 – 14
- **First Prize** in debate competition on the National Science Day – 2013 organized by Dept. of Chemistry, Tripura University in collaboration with Tripura Chemical Society.
- **Second Prize** for oral presentation in the Earth System Science and Disaster Management in 1st Tripura Science Congress, organized by Tripura State Council for Science and Technology (8 – 9 September 2011)

PUBLICATION

- **Ghosh, K.** and De, S.K. (2017): Delineation of Groundwater Potential in Dhalai District, Tripura, India, *Geographical Review of India*, 79(1), pp. 23 – 35 (ISSN: 0375 – 6386)
- **Ghosh, K.,** Bandyapadhyay, S. and De, S.K. (2016): Geo – physical investigation and management plan of a shallow landslide along the NH - 44 in Atharamura hill, Tripura, *International Journal of Geo-hazards and Environment*, 2(3), pp.119 – 130 (ISSN: 2368 – 5905)
- **Ghosh, K.,** Bandyapadhyay, S. and De, S.K. (2016): A Comparative Evaluation of Weight – Rating and Analytical Hierarchical (AHP) For Landslide Susceptibility Mapping In Dhalai District, Tripura, **Environment and Earth Observation, Case Studies in India** (Eds.) Hazra et al. *Springer*, pp. 175 – 195 (ISSN: 2198 – 0721)
- **Ghosh, K.,** Bandyapadhyay, S. and De, S.K. (2013): Regional Scale Landslide Risk Assessment by using Fuzzy set Approach – A case study on Dhalai District, Tripura, *Journal of Indian Geomorphology*, 2, pp. 82 – 90 (ISSN: 2320 – 0731)
- Bandyapadhyay, S., Ghosh, K., De, S.K. (2014): A proposed method of bank erosion vulnerability zonation and its application on the river Haora, Tripura, India, *Geomorphology*, 224, pp. 111 – 121 (ISSN: 0169 – 555X)
- **Ghosh, K.,** Bandyapadhyay, S., Ghosh, G.K. and De, S.K. (2013): GIS based Landslide Vulnerability assessment in Dhalai District, Tripura, *Journal of Geo-Environment Observer*, 2(2), pp 19 – 25 (ISSN 2277 – 6141).

- Bandyapadhyay, S., Saha, S., **Ghosh, K.**, De, S.K. (2013): Validation of BEHI Model through field generated data for assessing bank erosion along the River Haora, West Tripura. *Earth Science India*. 6 (III), pp 126 – 135 (ISSN: 0974 – 8350).
- Bandyapadhyay, S., **Ghosh, K.**, Saha, S., Chakravorti, S., De, S.K. (2012): Status and Impact of Brick Fields on the River Haora, West Tripura. *Transactions*, 35(2), pp 275 – 285 (ISSN 0970 – 9851).
- Bandyapadhyay, S., Saha, S., **Ghosh, K.**, De, S.K. (2013): Channel Planform Change and Detachment of Tributary: A Study on the Rivers Haora and Katakhal, Tripura, India. *Geomorphology*, 193, pp 25 – 35 (ISSN: 0169 – 555X).
- **Ghosh, K.**, De, S.K., Bandyapadhyay, S., Saha, S. (2013): Assessment of Soil Loss of Dhalai River Basin, Tripura, India using USLE, *International Journal of Geosciences*. 4(1) pp.11 – 23 (ISSN 2156 – 8367)
- **Ghosh, K.**, Bandyapadhyay, S., De, S.K. (2012): Landslide Susceptibility Zonation Using Weight Rating Based Method in GIS: A Case Study in Dhalai District, Tripura. *Indian Journal of Geomorphology*, 17 (2), pp.127 – 145 (ISSN: 0973 – 2411)
- De, S.K., Saha, S., Bandyapadhyay, S., **Ghosh, K.**, Bandyopadhyay, S. (2012): A Quantitative Study of Hydrological Parameters of the Khowai River, Tripura. *Indian Journal of Power and River Valley Development*. 62(7 – 8), pp 102 – 109 (ISSN: 0019 – 5537)
- Ghosh, G.K., **Ghosh, K.**, De, S.K., Rawat, M.S., Joshi, V., Ayala, I.A. (2012): An inventory of recent (18th September 2011) Earthquake Triggered Landslide in the Sikkim Himalaya. *Journal of Geo – Environment Observer*, 1(2), pp 1 – 12. (ISSN 2277 – 6141).
- De, S.K., Saha, S., Bandyapadhyay, S., **Ghosh, K.**, Bandyopadhyay, S. (2011): Transformation of wetland – a case study of Brahma Beel in Teliamura subdivision, West Tripura. *Hill Geographer*, 27(1 – 2), pp 18 – 28 (ISSN0970 – 5023)
- De, S.K., **Ghosh, K.**, Bandyapadhyay, S., Saha, S., (2011): Transformation of Wetland at Taidu area of South Tripura District, India. *Trans. Inst. Indian geographers*, 33(2), pp 175 – 186. (ISSN 0970 – 9851).

INTERNATIONAL SEMINAR/CONFERENCE

- Presented paper entitled “*Formation of Landslide Damed Lake in the Kanaka River, Sikkim Himalaya, India*” at 9th International Conference on Geomorphology of the International Association of Geomorphologists (IAG), (6 – 11 November, 2017), Vigyan Bhawan, New Delhi, India
- Presented paper entitled “*Characterization of Groundwater Dynamics and its Potential Availability: A Case Study on Dhalai District, Tripura, India*” International Seminar and 48th Regional Science Conference, (5 – 7 January, 2017) Tripura University, India
- Presented paper entitled “*Regional Scale Landslide Risk Assessment in Data Scarce Area – a Case Study on West Kameng District, Arunachal Pradesh, India*” at 33rd International Geographical Congress on (21 – 25 August 2016) Beijing, China
- Presented paper entitled “*Characterization of Groundwater Dynamics and its potential Availability – A case study on Dhalai District, Tripura, India*” at 18th Sustainable development policy Institute (SDPI) Conference on Securing Peace and Prosperity (8 – 10 December 2015) Islamabad, Pakistan
- Presented paper entitled “*Integration of Geotechnical Methods for Landslide Risk Assessment and Management in Dhalai District, Tripura, India*” at International Association of Geomorphologists Regional Conference on Geomorphology (2 – 4 July 2015) Barnaul (Russia)
- Presented paper entitled “*Estimation of Soil Erosion and Sediment Yield in GIS platform – A case study on Dhalai District, Tripura*” at International Geographical Union (IGU) Commission Conference on Geohazards, biodiversity, resource Sustainability and Mountain response to Global change (4 – 5 June 2014), organized by Dept. of Geography and regional development, University of Kashmir, India
- Presented paper entitled “*Regional Scale Landslide Risk Assessment and Proposed Management Plan – A case study on Dhalai District, Tripura*” at 35th Annual Conference of the Institute of Indian Geographers on Environment, Development and Equity’ (11 to 13 November 2013). Organized by the Department of Geography, The University of Burdwan, India
- Presented paper entitled “*Geophysical Study of a Shallow Landslide in Atharamura Hill, Tripura*” at International Conference on Dimensions of Development and Resource Conservation (10 – 12 March 2012). Organized by the Calcutta University, India
- Presented paper entitled “*Geological and Geotechnical Investigation of a Shallow Landslide along the NH44 in Atharamura hill, Tripura*” at 33rd Indian Geographers Meet and

International Seminar on Population, Development & Disaster Management (8 – 11 February 2012). Organized by Deptt. Of Geography and Disaster management, Tripura University

- Presented paper entitled “*Desiccation of Bramha Lake, Teliamura, West Tripura*” at International Conference on Emerging areas of Chemistry ICEAC – 2011 (12 – 14 January 2011). Organized by Department of Chemistry, Tripura University, India

NATIONAL SEMINAR/CONFERENCE

- Presented paper entitled “*Application of Frequency Ratio Model for Landslide Hazard Mapping in North Sikkim District, Sikkim*” at 29th IGI Conference on Geomorphology and Natural Hazards (24–27 November 2016). Organized by the dept. of Geography, University of Calcutta.
- Presented paper entitled “*Regional scale landslide Risk Assessment and proposed management Plan – A case study on Dhalai district, Tripura*” at National Seminar on North – East India: Society and Environment (29 – 30 March 2016). Organized by Department of Geography, Gauhati University, India
- Presented Paper entitled “*Groundwater Resource Estimation and Characterization of its dynamics for Sustainable Management in Dhalai District, Tripura, India*” at 28th Annual Conference of Indian Institute of Geogorphologists (IGI) on Human Impact on Landscapes (29 – 31 October 2015). Organized by Department of Geography, North Eastern Hill University, Shillong, India.
- Presented Paper entitled “*Assessment of Dynamics of Groundwater Potential of Dhalai District, Tripura, NE India*” at 27th Annual Conference of Indian Institute of Geogorphologists (IGI) on Geomorphology and Geospatial Technology in Environment Management and Societal Development (14 – 17 November 2014). Organized by Department of Geography and Environment Management and Department of Remote Sensing and GIS, Vidyasagar University, India
- Presented paper entitled “*Integration of Geoinformatics and Geotechnical Methods in Landslide Hazard Assessment and Management Framework – A Case Study on Dhalai District, Tripura, NE India*” at Regional Conference on Geoinformatics for Early Warning of Disasters with Special Emphasis on NE Region (18 – 19 September 2014) organized by ISG – Shillong Chapter, Shillong, India
- Presented paper entitled “*Integration of Geotechnical methods in Landslide Hazard Management – A case study on Dhalai District, Tripura*” at National seminar on Remote Sensing and Environment (20 – 22 March 2014), Organized by School of Oceanographic studies, Jadavpur University, India
- Presented Paper entitled “*Delineation of Ground Water Potential zones by using Geographical Information System (GIS) - A case study on Dhalai District, Tripura*” at 26th

Annual Conference of Indian Institute of Geographers (IGI) on Dynamics of earth surface Processes (20 – 22 November 2013). Organized by Dept. of Geography and Geology, The Maharaja Sayajirao University of Vadodra, Vadodra, India

- Presented paper entitled “*A comparative evolution of weight – rating and Analytical Hierarchical Process for Landslide Susceptibility Mapping in Dhalai District, Tripura*” at 100th Indian National Science Congress (3 – 8 January 2013). Organized by Calcutta University, India
- Presented paper entitled “*landslide susceptibility zonation using weight – rating based method in GIS: A case study in Dhalai District, Tripura*” at 25th National Silver Jubilee Conference of Indian Institute of Geographers (IGI) on Upgrading technologies and degrading earth’s environment: Reality or Myth (22 – 24 December 2012). Organized by Dept. of geography, University of Allahabad, India
- Presented paper entitled “*Geotechnical investigation of an individual landslide along NH – 44 near Ambassa, Tripura, India*” at DRS National Seminar on Geomorphological Hazards (3 – 4 March 2012). organized by North Bengal University, India
- Presented paper entitled “*Transformation of Taidu and Brahma Beel wetlands, South and West Tripura District.*” At National Seminar on Climate Change, Development and Social Transition in North East: Impact and Issues (10 – 12 November 2011). Organized by the Department of Geography, Rajiv Gandhi University, Rono – Hills, Arunachal Pradesh
- Presented paper entitled “*Geotechnical Investigation of some individual landslides along NH44 in Dhalai district, Tripura*” at 24th IGI National Conference and Annual Convention on Coastal Dynamics and Geomorphology (19 – 22 October 2011). Organized by Department of Geology, Anna University, India
- Presented paper entitled “*Assessment of Soil Loss at Watershed Scale – A case Study in Dhalai River Basin, Tripura*” at 1st Tripura Science Congress (8 – 9 September 2011). organized by Tripura State Council for Science and Technology, India
- Presented paper entitled “*Desiccation of Wetland at Taidu area of South Tripura district*” at 23rd IGI Conference and National Seminar on Global Environmental Change: Geomorphological Issues and Challenges (20 – 22 November 2010). Organized by Department of Geography, Gauhati University, India

WORKSHOP (NATIONAL AND INTERNATIONAL)

- 2017 Summer Training Course for Slope Land disaster Reduction, organized by, National Taiwan University, Taipei, Taiwan, August 13 – 24, 2017
- Intensive course “Russian Altai in the Late Pleistocene and the Holocene: Geomorphological catastrophes and landscape rebound” for young geomorphologists (ICYD) Organized by

Russian Association of Geomorphologists in the framework of the IAG regional conference (July 5 – 11, 2015)

- Participated at ICSSR National and International School of Geography on Recent Developments in Theory and Methodology of Geography as a social science discipline, (5 – 15 March 2013) organized by Department of Geography, NEHU, Shillong, India
- Participated at National Workshop on Hydro – geomorphic Hazard: Challenges for Science Communication (18 – 20 November, 2009). Organized by Dept. of Geography and Disaster Management, Tripura University, India

MEMBERSHIP OF PROFESSIONAL SOCIETY

- Life member, Indian Institute of Geomorphologists (IGI)
- Life member, Geographical Society of India (GSI)

FOREIGN VISIT

Russia, Pakistan, Thailand, China, Bangladesh, Taiwan