



Dr. Deepa Bhattacharyya

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CONTACT DETAILS:

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Teaching Experience: 14 years (UG) 2 years (PG)

AWARDS:

1st class 3rd Rank (M.Sc., Calcutta University)

1st class 2nd Rank (B.Sc., Part II, Calcutta University)

PERSONAL DETAILS –

Area of Specialization: Advanced Geomorphology, Remote Sensing & GIS,
Cartography

Ph.D (Geography): 2013 (Dept. of Geography, Calcutta University)

Title of the Thesis: A study of the characteristics of the landforms and land use of Uttarkashi-Gangotri area, Uttarakhand

Post-doctoral Research: Glacio fluvial dynamics of Mandakini Alakananda River Basin, Uttarakhand

MINOR RESEARCH PROJECT (U.G.C) –

Research Project: Geomorphic hazards and their impact on land use change of Kedarnath - Gangotri area, Uttarakhand (March 2015 to February 2017)

Membership(s)/Position(s) holding /held in different Academic or Professional Organizations / Institutes/ Associations

Details of Institute/Organizations	Positions
Indian Institute of Landscape, Ecology & Ekistics, Dept. of Geography, Calcutta University, Kolkata	Asst. Secretary (Executive council member)
Indian Institute of Geomorphology, Allahabad	Life Member
Indian Science Congress Association, Kolkata	Life Member
National Association of Geographers India, Delhi	Life Member
The Geographical Society of India, Kolkata	Life Member
Himalayan Samikha Parisad, Dept. of Geography, Calcutta University, Kolkata	Life Member

JOINT EDITOR:

Book- Land Use Planning & Management, 2016, ISBN- 978-81-928047-6-7

Journal- Indian Journal of Landscape System and Ecological Studies, Kolkata (Member of Editorial Board)

SELECTED PUBLICATIONS :

Title of Research Paper	Journal (UGC APPROVED)	Vol. & No.	Page No.	ISSN NO.
Morphological characteristics of gangotri glacier area, uttarakhand using gis and remote sensing techniques	American International Journal of Research in Humanities, Arts and Social Sciences	11(1), June-August, 2015	11-16	2328-3734
Terrain characteristics and land use pattern of gangotri area in uttarakhand using GIS & REMOTE SENSING techniques	Geographical Review of India, Kolkata	September 2012, Vol. 74, No - 3	253-264	0375-6386

Glacial retreat and their impact on environment of gangotri region, uttarkashi district	Indian jr. of Geomorphology, Allahabad	Vol. 13+14 (1&2)	165-178	0973-2411
Major geomorphic hazards of uttarakhand with special reference to glacio fluvial hazards of kedarnath region	Journal of Institute of Landscape Ecology and Ekistics, ILEE, Calcutta	June, 2015, Vol.40, No.1.	331-336	0971-4170
Identification of glacial erosional landforms and their characteristics of gangotri glacier area, uttarakhand	Journal of Institute of Landscape Ecology and Ekistics, ILEE, Calcutta,	June, 2012, Vol.35, No.1.	615-632	0971-4170
A study of physical and cultural landscape of the bhagirathi basin with the emphasis on gangotri area	Journal of Institute of Landscape Ecology and Ekistics, ILEE, Calcutta,	December, 2010, Vol.33, No.2.	191-206	0971-4170
Glacio fluvial problems of the gangotri area	Journal of Institute of Landscape Ecology and Ekistics, ILEE, Calcutta,	June, 2007, Vol.30, No.1.	195-204	0971-4170
Natural hazards of sikkim himalayan terrain with special reference to landslide hazards	Indian Institute. of Geomorphology, Tamil Nadu	volume of Quaternary Climatic Changes and Landforms	173-188	0973-2411
Natural hazards and their management with special reference to landslides in uttarkashi area	Journal of Institute of Landscape Ecology and Ekistics, ILEE, Calcutta	December, 2009, Vol.32, No.2.	143-154	0971-4170
Identification of major glacial and glacio-fluvial features of gangotri-gaumukh area	Seminar Proc., Bhairav Ganguly College,	March, 2014	54-61	APPLIED
Terrain evaluation of bhagirathi basin with special emphasis to gangotri glacier area, uttarakhand using gis & remote sensing techniques	Journal of Institute of Landscape Ecology and Ekistics, ILEE, Calcutta	December, 2013, Vol.36, No.2.	242-251	0971-4170
Glacial process and its influence on landform development of gangotri glacier area, uttarakhand	Seminar Proc., Kalyani Mahavidyalaya,	March, 2013	487-500	978-81-928047-2-9 (ISBN)

Morphology of accumulation and ablation zone of gangotri and its tributary glacier	Indian jr. of Geomorphology, Allahabad	April, 2014	Accepted	0973-2411
Evolution of valleys and water falls of upper bhagirathi basin, uttarakhand	Journal of Institute of Landscape Ecology and Ekistics, ILEE, Calcutta	December, 2014, Vol.39, No.2.	177-189	0971-4170
Tributary glaciers as important agent for the modification of landscape with special reference to active and inactive glaciers of Gangotri glacial trough	Proceedings of International Seminar on Environmental Perspectives and Resource management by The Institute of Landscape Ecology and Ekistics, ILEE, Calcutta	19-20 DEC 2014	258-270	ISBN – 978-81-928047-4-3
Dynamics of glacial Morphology	Proceedings on Application of Modern techniques Environmental Hazards , Haringhata Mahavidyalaya	September 2014	239-251	ISBN – 978-81-929776-0-7

SELECTED SEMINAR / CONFERENCE / WORK SHOP

DETAILS OF PRESENTATION	VENUE	DATE
Conservation of Gangotri glacier: a geographical appraisal	National Seminar on „ Management Strategies for the Indian Himalaya: Development and Conservation“ organized by HNB Garwal University, Uttarakhand.	October 29-31, 2007
Participated in the International Symposium	International Symposium on „New frontiers in Regional Science“ held at the National Atlas and Thematic mapping Organization, Salt Lake city , Kolkata.	August 6-7,2007
Geomorphological study of Gangotri & its tributary glaciers using GPS & GIS techniques with quantitative analysis	National Seminar on Upgrading Technologies and Degrading Earth’s Environment: Reality or Myth (December 22-24, 2012, Department of Geography, Allahabad University, Allahabad	December 22-24, 2012

Geomorphic Hazards Of Uttarkashi Town- A Case Study Of Varunavat Mountain	International workshop on Geomorphological hazards, Centre for GeoTechnology, Manonmaniam Sundaranar University, Tirunelveli – 627 012. Tamil Nadu, India.	24 - 25 september, 2009
Fluvio glacial dynamics of Gangotri-Yamunotri terrain, Uttarkashi district	Jammu University in the XIX conference of IGI, Jammu University	Dec 26-28, 2006

Natural hazards & sustainable development in Uttarkashi-gangotri area with special reference to landslide	West Bengal Academy of Science and Technology (Jadavpur University)	22-23rd Feb, 2008
Impact of glacial retreat & sustainable development of Uttarkashi district with special reference to Gangotri area	National Seminar on Environment & Sustainable Development In B. B. College, Asansol, West Bengal.	9-10 th March 2007
Natural hazards of Sikkim Himalayan terrain with special reference to landslide hazards.	National Seminar of Indian Institute of Geomorphology, Centre for Geotechnology, Manonmaniam Sundarnar University, Tirunelveli, Tamilnadu	December 26-28, 2005

Title of Research Paper	University/Institute	Date
Glacial process and its influence on landform development of Gangotri glacier area, Uttarakhand	100th Indian science congress, Venue - University of Calcutta, Kolkata	3-7 January, 2013, Kolkata
Identification of major glacial and glacio-fluvial features of Gangotri-Gaumukh area	Seminar Proc., Bhairav Ganguly College,	14-15 March, 2014
Glacial process and its influence on landform development of Gangotri glacier area, Uttarakhand	Seminar Proc., Kalyani Mahavidyalaya,	March, 2013
Morphology of accumulation and ablation zone of	IGI, nov, 2014 VIDYASAGAR	14-17 NOV,

gangotri and its tributary glacier	UNIVERSITY	2014
Tributary glaciers as important agent for the modification of landscape with special reference to active and inactive glaciers of Gangotri glacial trough	ILEE, DEPT. F GEOGRAPHY, CALCUTTA UNIVERSITY, KOLKATA	19-20 DEC, 2014
Dynamics of glacial morphology and its impact on geomorphic hazards - Gangotri group of glaciers using Indian remote sensing satellite data	Proceedings on Application of Modern techniques Environmental Hazards , Haringhata Mahavidyalaya	September 2014
Geomorphic evidences of Gangotri Glacier and its ambiances, Uttarakhand	National seminar on research Frontier in man nature interface	1-2 March, 2014
Terrain evaluation of Bhagirathi basin area with special emphasis to Kedar Ganga basin	National Association of Geographers, India (NAGI) in the department of Geography, Patna University	November, 2- 4, 2012
Landscape and drainage patterns of upper Bhagirathi basin with special emphasis to Gaumukh-Gangotri area	International Conference on "Dimensions of Development and Resource Conservation" organized by Department of Geography, University of Calcutta.	March 10 th - 12 th , 2012
Environment and development of Uttarakhand tourism with special reference to Gangotri area	33 rd Indian Geography Congress conference (NAGI) organized by Department of Geography, Burdwan University	November 11- 13 ,2011
Terrain evaluation of Bhagirathi basin with special emphasis to Uttarkashi-Gangotri area using remote sensing and GIS techniques	National seminar on Natural Resources Management organized by Department of Geography ,Calcutta University	March 10-11 ,2011
Geomorphological study of Bhagirathi basin with special emphasis to Uttarkashi-Gangotri area using Morphometrical Techniques	National Seminar on in conference organized by Department of Geography , HNB Garhwal University	November 02- 04 ,2011

Identification of geomorphological features and land use pattern of Uttarkashi-Gangotri area using remote sensing and GIS techniques	32 nd Indian Geography Congress conference (NAGI) organized by Department of Geography ,Panjub University	November 19-21 ,2010
Geomorphic hazard and disaster of Uttarkashi area with special reference to varunavat landslide using remote sensing and GIS techniques	National Seminar on environment, culture and development, Department of Geography, Rani Durgawati University, Jabalpur, M.P	November 19-21, 2009
	User Interaction Meet” organized by National Remote Sensing Centre,	January 28-29 th , 2009
Participated in the workshop	Hyderabad.	
Natural hazards & their impact on land use with special reference to landslide in Uttarkashi-Gangotri area	National Seminar on Geomorphology in disaster mitigation and management organized by Department of Geography,Benaras Hindu University. Department of Geography.	February 15-17, 2008