




Faculty Details proforma for DU Web-site

Title	Prof./Dr./Mr./ Ms./Mrs.	First Name	Ashis Kumar	Last Name	Saha	
Designation	Assistant Professor					
Address	Department of Geography, Delhi School of Economics, University of Delhi, Delhi – 110 007, India					
Phone No	Office	+91-11-27666491				
	Residence	-				
	Mobile	-				
Email	ashisksaha@gmail.com ; aksaha@geography.du.ac.in					
Web-Page	http://people.du.ac.in/~aksaha/					
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	IIT Roorkee				2004 (in Earth Sciences)	
M.Phil. / M.Tech.	University of Roorkee (Now IIT Roorkee)				1999 (in Applied Geology)	
PG	-				-	
UG	Presidency College, University of Calcutta				1996 (in Geology)	
Any other qualification	-				-	
Career Profile						
<ul style="list-style-type: none"> • April 2005 – April 2009 : Assistant Professor (Re-designated from Lecturer), Dept. of Geography, Delhi School of Economics, University of Delhi • April 2009 – till date : Assistant Professor (Re-designated from Sr. Lecturer), Dept. of Geography, Delhi School of Economics, University of Delhi • December 2004 – March 2005, Senior Research Associate, ATREE, Bangalore 						
Administrative Assignments						
<ul style="list-style-type: none"> • Resident Tutor, Gwyer Hall (2005-2007) 						
Areas of Interest / Specialization						
Geo-environmental Studies using Remote Sensing and GIS: Landslide Hazard Zonation; Landuse / Landcover Mapping and Change Detection; OBIA; Digital Image Classification; Drought; Digital Terrain Modeling						
Subjects Taught						
MA: Remote Sensing and GIS (Fundamentals and Advanced); Advanced Physical Geography; Computer-aided Mapping and Thematic Cartography; Terrain Modeling and Analysis MPhil: Research Methodology, Environmental Monitoring & GIS						
Research Guidance						
<i>List against each head (If applicable)</i>						
<ul style="list-style-type: none"> • Supervision of awarded Doctoral Thesis <ul style="list-style-type: none"> ○ Geographical Analysis of Tourism in Kashmir Region - Mr. Salim Mir 						

- **Supervision of Doctoral Thesis, under progress**
 - Rural Road Development Planning using Geo-informatics: A Case Study of Jorhat District, Assam (In Progress) - Ms. Ankita Medhi
 - Drought Impact Assessment and Analysis of Drought Policy in Gujarat (Co-Supervisor: Dr. Chandrashekhar Bhuiyan, SMU, Sikkim) (In Progress) - Ms. Nairwita Bandyopadhyay
 - A Comparative Analysis of Landslide Susceptibility Zonation Methodologies in Test Sites from Garhwal and Sikkim Himalayas (In Progress) – Ms. Ayanika Ray

- **Supervision of awarded M.Phil dissertations**
 - GIS based multi-criteria analysis for landslide susceptibility and risk assessment in Chamba-Bharmor region in Himachal Pradesh (2009) - Mr. Satyender Singh Kadian
 - Assessment of water crises in Shillong town (2009) - Mr. Karma Thiley
 - Impact of Landuse/Landcover Change on Rhino Habitat in Kaziranga National Park, Assam (2011) - Ms. Ankita Medhi
 - Traditional and Modern Agricultural System in India: Comparative Studies (2012) - Ms. Ritu Jha
 - Drought Severity Analysis using Geospatial Data in Gujarat (2012) - Ms. Nairwita Bandyopadhyay
 - Landslide Susceptibility and Risk Assessment along the Chamoli - Joshimath Road Section (2012) - Mr. Parveen Singh
 - Assessing the Quality of Life in North Delhi: Case Study of Delhi University North Campus and Surrounding Localities (2013) - Mr. Rajesh Kumar
 - Natural Resource Management in Santhal Pargana Region of Jharkhand (2013) - Ms. Babita Kisku
 - Community-based Landslide Disaster Management: A Case Study in Chamoli District, Uttarakhand (2015) - Mr. Suman Das
 - Object-based Remote Sensing Image Analysis for Landslide Studies (2015) - Ms. Ayanika Ray
 - Women’s agency in a post-disaster space: a study of Kedarnath Tragedy (Co- Supervisor: Dr. Anindita Datta) (Submitted April, 2016) - Ms. Sakshi Naithani

- **Supervision of M.Phil dissertations, under progress**
 - Mangrove Mapping and Change Detection using Object-based Image Analysis (OBIA) Approach (In Progress) - Mr. Biswajit Mondal

Publications Profile

List against each head (If applicable) (as illustrated with examples)

1. Books/Monographs (Authored/Edited)

- Bandyopadhyay, N., Bhuiyan, C. and **Saha, A.K.** (2015), Temperature Extremes, Moisture Deficiency and Their Impacts on Dryland Agriculture in Gujarat, India, In: Andreu, J., Solera, A., Paredes-Arquiola, J., Haro-Monteagudo, D. & van Lanen, H. (Eds.) Drought: Research and Science-Policy Interfacing, CRC Press, Balkema, pp. 119-124 (ISBN 978-1-138-02779-4).
- Mir, S. and **Saha, A.K.** (2012), Truncating the Life Cycle of a Tourism Destination: An Analysis of Tourism-Terrorism Relationship with Respect to Butler’s TALC Model, In: Aima, A., Manhas, P.S. and Bhasin, J. (Eds.) Tourism Destination Management: Strategic Practices and Policies, Kanishka Publishers Distributors, New Delhi, pp. 374-389 (ISBN 978-81-8457-370-1).
- Arora, M.K., **Saha, A.K.**, Gupta, P. and Gupta, R.P. (2012), LaSIRF: Landslide Safe Intelligent

Route Finder for mountainous terrain in GIS environment, In: Pradhan, B. and Buchroithner, M. (Eds.) Terrigenous Mass Movements, Springer-Verlag Berlin Heidelberg, pp. 349-368 (ISBN 978-3-642-25495-6).

2. Research papers published in Refereed/Peer Reviewed Journals

- Bandyopadhyay, N., Bhuiyan, C. and **Saha, A.K.** (2016), Heat waves, temperature extremes and their impacts on monsoon rainfall and meteorological droughts in Gujarat, India – Natural Hazards, Vol. 82(1), pp. 367-388. (Impact Factor 2015: 1.746; Scopus Citation: NA)
- Bandyopadhyay, N. and **Saha, A.K.** (2016), A comparative analysis of four drought indices using geospatial data in Gujarat, India – Arabian Journal of Geosciences, Vol. 9(5), 341. (Impact Factor 2014: 1.224; Scopus Citation: NA)
- Rai, S.C. and **Saha, A.K.** (2015), Impact of urban sprawl on groundwater quality: a case study of Faridabad city, National Capital Region of Delhi – Arabian Journal of Geosciences, Vol. 8(10), pp. 8039-8045. (Impact Factor 2014: 1.224; Scopus Citation: NA)
- Kundu, S., **Saha, A.K.**, Sharma, D.C. and Pant, C.C. (2013), Remote Sensing and GIS Based Landslide Susceptibility Assessment using Binary Logistic Regression Model: A Case Study in the Ganeshganga Watershed, Himalayas – Journal of Indian Society of Remote Sensing, Vol. 41(3), pp. 697-709. (Impact Factor 2015: 0.676; Scopus Citation: 16)
- **Saha, A.K.**, Gupta, R.P., Arora, M.K., Viridi, M.L. and Csaplovics, E. (2005), GIS-based route planning in landslide prone areas, International Journal of Geographic Information Science, Vol. 19 (10), pp. 1149-1175. (Impact Factor 2015: 2.065; Scopus Citation: 27)
- **Saha, A.K.**, Gupta, R.P., Sarkar, I., Arora, M.K. and Csaplovics, E. (2005), An approach for GIS-based Statistical Landslide Susceptibility Zonation – with a case study in the Himalayas, Landslides, Vol. 2 (1), pp. 61-69. (2015 Impact Factor: 3.049; Scopus Citation: 132)
- **Saha, A.K.**, Arora, M.K., Csaplovics, E. and Gupta, R.P. (2005), Land cover classification using IRS LISS III imagery and DEM in a rugged terrain: A case study in Himalaya, GeoCarto International, Vol. 20 (2), pp. 33-40. (2015 Impact Factor: 1.380; Scopus Citation: 25)
- **Saha, A.K.**, Gupta, R.P. and Arora, M.K. (2002), GIS –based Landslide Hazard Zonation in a part of the Himalayas – International Journal of Remote Sensing, Vol. 23(2), pp. 357-369. (2015 Impact Factor: 1.640; Scopus Citation: 154)
- Gupta, R.P., **Saha, A.K.**, Arora, M.K. and Kumar, A. (1999), Landslide Hazard Zonation in a part of the Bhagirathi Valley, Garhwal Himalayas, Using Integrated Remote Sensing – GIS, Himalayan Geology, Vol. 20(2), pp. 71-85. (Scopus Citation: 40)

* Citation as on 25.07.2016, **h-index : 5** (www.scopus.com)

3.

a) Research papers published in Academic Journals other than Refereed/Peer Reviewed Journals

- Kundu, S., Sharma, D.C., **Saha, A.K.**, Pant, C.C. and Mathew, J. (2012), GIS-based Statistical Landslide Susceptibility Zonation: A Case Study in Ganeshganga Watershed, The Himalayas – ArcIndia News, Vol. 6(1), pp. 26-31.
- Gupta, R.P. and **Saha, A.K.** (2000), Mapping Debris Flows in the Himalayas – GIS@Development Vol. 12, pp. 27-28.

b) Research papers published in Refereed/Peer Reviewed Conferences

- Bandyopadhyay, N. and **Saha, A.K.** (2015), Mapping Gender and Gendered Spaces in Drought-Prone Areas of Gujarat, In: Datta, A (Ed.) Proceedings of International Conference on Re Orienting Gender : Geographies of Resistance, Agency, Violence and Desire in Asia, R K Books,

New Delhi, pp. 127-137 (ISBN 978-93-82847-41-0).

- Medhi, A. and **Saha, A.K.** (2014), Land cover change and rhino habitat mapping of Kaziranga National Park, Assam, In: Singh, M., Singh, R.B. & Hassan, I. (Eds.) Climate Change and Biodiversity: Proceedings of IGU Rohtak Conference, Vol. 1, Springer, Japan, pp. 125-138 (ISBN 978-4-431-54837-9).
- Bandyopadhyay, N. and **Saha, A.K.** (2014), Analysing Meteorological and Vegetative Drought in Gujarat, In: Singh, M., Singh, R.B. & Hassan, I. (Eds.) Climate Change and Biodiversity: Proceedings of IGU Rohtak Conference, Vol. 1, Springer, Japan, pp. 61-71 (ISBN 978-4-431-54837-9).
- Bandyopadhyay, N. and **Saha, A.K.** (2013), Analysis of Spatio-temporal Drought Pattern in Gujarat, In: Singh, G. (Ed.) Proceedings of National Seminar on Drought Mitigation: Special Reference to Rajasthan (DMRR-2013), Vol. 1, Sagar Publishers, Jaipur, pp. 3-8 (ISBN 978-93-81914-14-4).

c) Research papers Published in Conferences/Seminar other than Refereed/Peer Reviewed Conferences

- Kundu, S., Sharma, D.C., **Saha, A.K.**, Pant, C.C. and Mathew, J. (2011) GIS-based Statistical Landslide Susceptibility Zonation: A Case Study in Ganeshganga Watershed, The Himalayas, 12th ESRI India User Conference, 7-8 December, Hotel Radisson Blu, Noida. (http://www.esriindia.com/Events/UC2011_files/DM_UCP008.pdf)
- 4. Other publications (Edited works, Book reviews, Festschrift volumes, etc.)**
- -NIL-

Conference Organization/ Presentations (in the last three years)

List against each head (If applicable)

1. Organization of a Conference

- -NIL-

2. Participation as Paper/Poster Presenter

- Mondal, B. and **Saha, A.K.** (2016) – Estimation of Land Area Change in Indian Sundarban using Object-based Image Analysis (OBIA) Approach and its Relation with Sea Level Rise, 9th International Geographical Union (IGU) Conference on “Land Use Change, Climate Extremes and Disaster Risk Reduction”, 18-20 March, Shaheed Bhagat Singh College, University of Delhi, Delhi.
- **Saha, A.K.** and Das, S. (2016) – Community-based Landslide Disaster Management: A Case Study of Kandey Village, Chamoli District, Uttarakhand, 5th NAGI (National Association of Geographers, India) International Conference on “Future Earth Perspectives in South Asia”, 5-7 February, Department of Geography, Bharathidasan University, Tiruchirappalli.
- Mondal, B. and **Saha, A.K.** (2015) – Spatio-Temporal Analysis of Mangroves in Indian Sundarban using Multispectral Landsat data (1988-2014), 37th India Geography Congress, National Association of Geographers, India, 2-4 December, Department of Geography, University of Jammu, Jammu.
- **Saha, A.K.** and Medhi, A. (2015) – An Object-based Image Analysis (OBIA) Approach for Land Resources Mapping, UGC-SAP DRS-III National Seminar on “Environment-Resource & Urban-Regional Planning”, 20-21 March, Department of Geography, University of Delhi, Delhi.

- Bandyopadhyay, N. and **Saha, A.K.** (2014) – Mapping Gender and Gendered Spaces in Drought-Prone Areas of Gujarat, International Conference on “Re-orienting Gender: Geographies of Resistance, Agency, Violence and Desire in Asia”, 19-21 November, Department of Geography, University of Delhi, Delhi.
- **Saha, A.K.**, (2013) - Route Planning in Landslide Susceptible Terrain, Indo-German Nachkontakt Association Hyderabad Seminar on “Earth Sciences for Society”, 7-8 November, CSIR-NGRI, Hyderabad.

Research Projects (Major Grants/Research Collaboration)

- “Mapping and Monitoring of Mangroves in Indian Sundarban using Time-Series Remote Sensing Data” Funded by: University of Delhi; Duration: Phase-I (2015-16) Grant Amount: Rs. 1,50,000
- “Landslide Susceptibility Zonation using Weights-of-Evidence and Logistic Regression Model: A Comparative Analysis in the Chamoli-Joshimath Road Section, Uttarakhand”
Funded by: University of Delhi; Duration: Phase-I & II (2011-13) Grant Amount: Rs. 1.9 Lac
- “Development of Object-based Remote Sensing – GIS Methodology for Landslide Recognition and Hazard Zonation in the Garhwal Himalayas”
Funded by: Department of Science & Technology, Government of India under SERC Fast Track Proposal for Young Scientists, 2010-11; Duration: 3 Years (2011-14); Grant Amount: Rs. 17.57 Lac
- “Remote Sensing – GIS based Landslide Inventory Mapping and Susceptibility Zonation using Analytical Hierarchy Process (AHP) in a Himalayan Terrain”
Funded by: University of Delhi; Duration: Phase-I, II & III (2008-11); Grant Amount: Rs. 2.85 Lac
- “Landuse/landcover change detection using Object-based Image Analysis (OBIA) approach in Chamoli Region (Uttarakhand)” Funded by: University of Delhi; Duration: Phase-I (2013-14) Grant Amount: Rs. 60,000

Awards and Distinctions

2014 : German Academic Exchange Service (DAAD) Reinvitation Fellowship, Bonn, Germany
 2009 : German Academic Exchange Service (DAAD) Reinvitation Fellowship, Bonn, Germany
 2002 – 2004 : Senior Research Fellowship from Council for Scientific and Industrial Research (CSIR), New Delhi, India
 2001 – 2002 : German Academic Exchange Service (DAAD) Sandwich Model Fellowship, Bonn, Germany
 2000 - 2001 : Junior Research Fellowship from Council for Scientific and Industrial Research (CSIR), New Delhi, India
 1999 : S. Devi Prize for highest marks in the final year in all PG Science Courses
 1999 : B.L.Wadhawan Prize for highest marks in M.Tech. (Appl. Geology Dissertation)
 1998-1999 : University Grants Commission Scholarship
 1991-1996 : Indian National Scholarships

Association With Professional Bodies

1. **Editing**
 - -NIL-
2. **Reviewing**
 - *GeoCarto International (Taylor & Francis)*
 - *Journal of Zhejiang University-SCIENCE A (Springer)*

- *Journal of Development & Agricultural Economics* (Academic Journals)
- *Journal of Mountain Science* (Springer)
- *Environmental Earth Sciences* (Springer)
- *Cartography and Geographic Information Science* (Taylor & Francis)
- *Indian Journal of Geosciences* (Geological Survey of India)
- Geomatics, Natural Hazards and Risk (Taylor & Francis)
- Natural Hazards (Springer)
- Disaster and Development (NIDM)
- Journal of Indian Society of Remote Sensing (Springer)

3. Advisory

- -NIL-

4. Committees and Boards

- -NIL-

5. Memberships

- *Life Member, Indian Society of Remote Sensing, Dehradun, India*
- *Life Member, National Association of Geographers, India (NAGI), Delhi, India*
- *Life Member, The Association for Geographical Studies, Delhi, India*
- *Fellow, The Society of Earth Scientists, Lucknow, India*
- *Life Member, The Indian Science Congress Association, Kolkata, India*
- *Member, European Drought Centre*
- *Member, International Association for Promoting Geoethics (IAPG)*

6. Office Bearer

- Joint Secretary, National Association of Geographers, India (NAGI), since December 2015

Other Activities

Specialized Training:

- “SAR Interferometry Technology and Application” at CSRE-IIT Bombay, India (6th Dec-17th Dec 1999)
- “GIS and Remote Sensing for Disaster Mitigation” at GIS Institute, Noida, India (31st Mar-5th Apr 2003)
- “GPS Applications for Landslide and Resource Planning” at IIT Roorkee, India (13th Oct-18th Oct 2003)
- “Landslide Analysis and Control” at IIT Roorkee, India (8th Dec-12th Dec 2003)
- “Modelling Land-Use Land-Cover Change and Species Distribution” at ATREE, Bangalore, India (11th Jan-13th Jan 2005)
- “Orientation Course” for Lecturers at Centre for Professional Development in Higher Education (University Grants Commission – Academic Staff College), University of Delhi, Delhi, India (6 May-3rd Jun 2008)