SHRABAN SARKAR

Assistant Professor, Department of Geography
Cooch Behar Panchanan Barma University, Cooch Behar – 736101, West Bengal, India
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Date of Birth: 31 August 1984
Marital Status: Single
Religion: Hindu
Cast: General
Nationality: Indian
Language Skills: English, Hindi, Bengali (Native)

ACADEMIC QUALIFICATIONS

Ph.D. in Geography *2014*
Department of Geography, Banaras Hindu University, Varanasi
- **Thesis Title:** Landslide Susceptibility Assessment using GIS Modelling in Kalimpong Hills, West Bengal

M.A. in Geography *2008*
Department of Geography, Banaras Hindu University, Varanasi
- **Specialization:** Cartography and Remote Sensing
- **Dissertation Title:** Remote Sensing in Land Use/ Land Cover Mapping in Part of Singrauli Basin (SOI Sheet No. 63L/12)

B.A., Honors *2005*
The University of Burdwan, Burdwan
- **Subject of Specialization:** Geography (Hon.)

TRAINING AND COURSES

Certificate Course *2012*
Statistical Methods
Department of Statistics, Banaras Hindu University, Varanasi

Certificate Course *2011*
Remote Sensing and GIS – Technology and Applications
National Remote Sensing Centre, Hyderabad

ACADEMIC AWARDS

CSIR-UGC NET, Junior Research Fellowship 2010

RESEARCH INTERESTS

- Mountain Geomorphology
- Slope Stability Analysis
- Remote Sensing
- Geographical Information System
- Statistical Modelling

PUBLICATIONS

Published Papers in Peer Reviewed Journals

1. **Sarkar, S.,** Roy, A. K., and Raha, P., (2016). Deterministic approach for susceptibility assessment of shallow debris slide in the Darjeeling Himalayas, India, *Catena,* 142, 36-46, DOI: 10.1016/j.catena.2016.02.009. [Impact factor: 2.612]
2. Raju, K. N. P., Pandey, M. K., and **Sarkar, S.,** (2014). A note on boundaries in atlas maps. *Journal of the Geological Society of India,* 83(5), 563-566, DOI: 10.1007/s12594-014-0084-4. [Impact factor: 0.596]
3. **Sarkar, S.,** Roy, A. K., and Martha, T. R., (2013). Soil depth estimation through soil-landscape modelling using regression kriging in a Himalayan terrain. *International Journal of Geographical Information Science,* 27(12), 2436–2454, DOI: 10.1080/13658816.2013.814780. [Impact factor: 2.065]
4. **Sarkar, S.,** Roy, A. K., and Martha, T. R., (2013). Landslide susceptibility assessment using information value method in parts of the Darjeeling Himalayas. *Journal of the Geological Society of India, 82*(4), 351–362, DOI: 10.1007/s12594-013-0162-z. [Impact factor: 0.596]

Published Papers in Edited Spatial Issues

1. Raju, K. N. P., **Sarkar, S.,** and Pandey, M. K., (2014). Indus and Ganga river basins in India: surface water potentials. In: R. Vaidyanadhan, ed. *Rejuvenation of surface water resources of India: potential, problems and prospects.* Bengaluru: Geological Society of India, Spec. Pub. (3), *43-53,* DOI**:** 10.17491/cgsi/2014/62876.
2. Raju, K. N. P., **Sarkar, S.,** Pandey, M. K., Keshari, S., Vishwakarma, M., and Shakya, C., (2014). Surface water resources and river systems of Andhra Pradesh. In: R. Vaidyanadhan, ed. *Rejuvenation of surface water resources of India: potential, problems and prospects.* Bengaluru: Geological Society of India, Spec. Pub. (3), *92-98,* DOI**:** 10.17491/cgsi/2014/62885.

COMPUTER SKILLS

1. Image processing software: ERDAS Imagine
2. GIS software: ArcGIS, ArcView, SAGA GIS, AutoCAD, QGIS
3. Programming: LaTex, Matlab, R
4. Statistical Software: SPSS, GS+

CONFERENCE PRESENTATIONS

1. Roy, A. K., **Sarkar, S.,** and Singh, S. K., (2013). Population and economics of urban centres situated along the national river Ganga, National Seminar on Plains of the Ganga: Problems and Prospects, Organized by Department of Geography, Banaras Hindu University, Varanasi; January 28-30.

2. Roy, A. K., **Sarkar, S.,** and Singh, S., (2012). Urban centres on the national river Ganga: a profile, XXXIV Indian Geography Congress (NAGI), Organized by Department of Geography, Patna University, Patna; November 02-04.

3. Roy, A. K., **Sarkar, S.,** (2011). Accuracy assessment of CARTOSAT DEM through valley orientation, 33rd Indian Geography Congress (NAGI), Organized by Department of Geography, The University of Burdwan, Burdwan; November 11-13.

4. **Sarkar, S.,** (2011). Digital photogrammetry and its implication on landslide study, National Seminar on Recent Advances in the Development of Geographical Knowledge and its Interdisciplinary Association with Sciences, Organized by Department of Geography, Banaras Hindu University, Varanasi; November 03-04.

5. **Sarkar, S.,** (2011). Role of remote sensing and GIS in hazard monitoring and sustainable development, International Seminar on Technology, Energy and Sustainable Rural Environment, Organized by Department of Geography, Banaras Hindu University, Varanasi; February 23-25.

6. **Sarkar, S.,** (2010). Neogeomprphological studies in Kalingpong area, West Bengal, National Seminar on Geo Hazards in Darjeeling Sub-Himalaya, West Bengal, Department of Geography, North Bengal University, Siliguri; March 06-07.

7. **Sarkar, S.,** (2010). Population pressure, anthropogenic activities and environmental problems in mountain region (Darjeeling Himalaya, India), National Seminar on Population Environment and Development, Organized by Department of Geography, Banaras Hindu University, Varanasi; February 18-20.

WORKSHOP PARTICIPATION

1. 3rd National Workshop on Statistical Methods and R Programming, Organized by Agricultural and Ecological Research Unit, Indian Statistical Institute, Kolkata and Department of Mathematics, Institute of Chemical Technology, Mumbai; 10-15 February, 2016.

2. Scientific Writing, Sponsored by IIPS Alumni Association (IIPSAA) and organized at the International Institute for Population Sciences (IIPS), Mumbai; 11–15 December, 2015.

PROFESSIONAL MEMBERSHIPS

Life Member – Himalayan Geology, Indian Society of Remote Sensing, Geological Society of India