



## Murshidabad University



Photo

### FACULTY ACADEMIC PROFILE/ CV

**Full name of the faculty member:** Lakshminarayan Satpati

**Designation:** Professor and Director, UGC-MMTTC, University of Calcutta

**Contact information:** Mob. 9433107963, E-mail. [Insgeog@caluniv.ac.in](mailto:Insgeog@caluniv.ac.in)

#### **Academic qualifications:**

College/University from which the degree was obtained	Abbreviation of the degree
Presidency College, Kolkata (University of Calcutta)	B Sc (Hons in Geography), 1992
Presidency College, Kolkata (University of Calcutta)	M Sc in Geography, 1994
Department of Geography, University of Calcutta	PhD (Sc) in Geography, 2002

**Positions held/ holding:** Professor and Director, UGC-MMTTC, University of Calcutta

**Research interests:** Climate, Water, Geo-forms, Population & Development, Research Methodology, Human Resource Development

**Research guidance:** Supervised 20 PhDs and 12 M Phils , Mentored 2 PDFs

**Projects:** 1 Minor and 2 Major projects

#### **Select list of publications (Only number):**

- Journals:40
- Books/ book chapters: 06
- Conference/ seminar volumes: 04

**Membership of Learned Societies:** Geographical Society of India, Indian Science News Association, Indian National Cartographic Association, Indian Institute of Geomorphologists, The Asiatic Society, Indian Meteorological Society, Kolkata

**Invited lectures delivered:** More than 150

**Awards:** National Fellowship based on B Sc result in 1992

**Other notable activities:** Nil

**List of Journal Publication/ Conference Papers:** (Last ten years)

- Alam, A., Biswas, S., & **Satpati, L.** (2023). Population Dynamics and Economic Growth in Southeast Asia. In *Population, Sanitation and Health: A Geographical Study Towards Sustainability* (pp. 17–27). Springer.
- Alam, A., Biswas, S., & **Satpati, L.** (2023). Population Dynamics and Its Impact: A Historical Perspective. In *Population, Sanitation and Health: A Geographical Study Towards Sustainability* (pp. 3–15). Springer.
- Alam, A., Ghosal, N., Khan, A., & **Satpati, L.** (2023). Agricultural Bill 2020 in India: Agricultural Policy and Transition to Sustainable Agriculture and Self-reliance. In *Climate Change, Agriculture and Society: Approaches Toward Sustainability* (pp. 289–305). Springer.
- Alam, A., Patra, P., Ghosh, A., & **Satpati, L.** (2023). Identification of Spatio-Temporal Extent of Agricultural Drought Using Geospatial Techniques: A Case Study of Chhatna Block, Bankura District, West Bengal, India. In *Climate Change, Agriculture and Society: Approaches Toward Sustainability* (pp. 101–112). Springer.
- Alam, A., Paul, R. K., Khan, A., **Satpati, L.**, & Ghosal, N. (2022). Dynamics River Networks and Determination of the Flood Potential in Lower Brahmaputra Valley Using Geoinformatics. In *Spatial Modelling of Flood Risk and Flood Hazards: Societal Implications* (pp. 77–90). Springer.
- Alam, A., Paul, R. K., & **Satpati, L.** (2022). Application of remotely sensed data for estimation of indices to assess spatiotemporal aspects of droughts in Bankura District of West Bengal, India. In *Climate, Environment and Disaster in Developing Countries* (pp. 425–437). Springer.
- Biswas, S., Dandapat, B., Alam, A., & **Satpati, L.** (2022a). India's achievement towards sustainable Development Goal 6 (Ensure availability and sustainable management of water and sanitation for all) in the 2030 Agenda. *BMC Public Health*, 22(1), 1–16.
- Biswas, S., Mondal, S., Banerjee, A., Alam, A., & **Satpati, L.** (2024). Investigating the association between floods and low birth weight in India: Using the geospatial approach. *Science of The Total Environment*, 912, 169593.
- Haldar, A., Khatun, N., Dutta, A., & **Satpati, L.** (2022). Anthropogenic Interventions and Urban Hydro-Geomorphologic Hazards in Kolkata, India. In *Anthropogeomorphology: A Geospatial Technology Based Approach* (pp. 495–523). Springer.
- Haldar, A., & **Satpati, L.** (2022). Climate Change Hazard Perception and Gender Empowerment for Resilience in the Regions of Tropical Asia. In *Climate Change, Disaster and Adaptations: Contextualising Human Responses to Ecological Change* (pp. 73–82). Springer.

- Kar, S., JibanbandhuGayak, Khan, K. R., **Satpati, L.**, & Mukherjee, S. (2023). Achieving Rural Water Security Through Traditional Knowledge: A Comprehensive Appraisal of Traditional Water Harvesting Techniques Used in Dry Lands of Purulia District, West Bengal, India. In *Indigenous Knowledge and Disaster Risk Reduction: Insight Towards Perception, Response, Adaptation and Sustainability* (pp. 343–384). Springer.
- Mandal, S., Sadhu, S., Rajbanshi, J., Patra, P., Halder, A., Khan, A., & **Satpati, L.** (2022). 11 Surface Temperature Mapping to Assess Local Climate Zones. *Kolkata—The Colonial City in Transition: Reflections in Geographies of Urban India*, 177.
- Patra, P., & **Satpati, L.** (2022). Characteristics and trend analysis of absolute and relative temperature extremes indices and related indices of Kolkata. *Theoretical and Applied Climatology*, 148(3–4), 943–954.
- Satpati, L.** (2022). Cultural Images of Kolkata: A Contemporary Perspective. In *Practising Cultural Geographies: Essays in Honour of Rana PB Singh* (pp. 487–509). Springer.
- Sk, S., Debarma, S., Alam, A., **Satpati, L.**, & Jagannathan, R. (2023). Assessment and Possible Mitigation Strategy of Climate Change and Urban Heat Island Using GIS and Remote Sensing: A Case Study of Agartala City. In *Agriculture and Climatic Issues in South Asia* (pp. 397–417). CRC Press.