



# Suman Chatterjee, Ph.D.

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## Summary

Dedicated geospatial researcher and educator with a Ph.D. in Science and 3 years of university-level teaching and research experience. Specializes in environmental management using geospatial techniques. Recipient of UGC NET JRF and SRF awards, with a strong publication record in environmental science and geography.

## Publications Summary

- **Total Publications:** 13
- **Journal Articles:** 6
- **Conference Proceedings:** 3
- **Book Chapters:** 3
- **Book:** 1 (Edited)

## Citation Metrics

- **Total Citations:** 22
- **h-index:** 3

## Education

- **Ph.D. in Science**, Jadavpur University, 2021
- **PG Diploma in Remote Sensing and GIS**, Jadavpur University, 2018
- **M.Sc. in Geography**, C.S.J.M University, 2010
- **B.Sc. Honours in Geography**, University of Calcutta, 2008
- **B.Ed.**, West Bengal State University, 2013

## Professional Experience

**Assistant Professor/Researcher**, Adamas University (2021 – Present)

- Taught courses in Basic RS GIS, Advanced GIS, Cartography, Web and Mobile GIS, Climatology, Map Interpretations, and Environmental Geography.
- Conducted research on environmental management using geospatial techniques.
- Mentored graduate and undergraduate students in research projects.

## Research Interests

- Environmental management with geospatial techniques.
- Remote sensing and GIS applications in environmental studies.
- Climate change and its impacts.
- Urban and rural development.

## Awards and Grants

- UGC NET Junior Research Fellowship (JRF)
- UGC NET Senior Research Fellowship (SRF)
- International Travel Grant from ICSSR
- Best Paper Award from Indian Society of Remote Sensing (ISRS)

## Professional Memberships

- Life Member, Indian National Cartographic Association (INCA)

## Selected Publications

- Chatterjee, S. (2024). Site assessment, suitability, and strategy references for in-situ phytoremediation: A case study of Asansol-Pandabeswar mining region. *Environmental Development*, 50, 100992.
- Chatterjee, S., & Bhadra, T. (2023). Assessing the Water Quality of Indian Sundarban Estuaries using Remote Sensing Techniques. *IOP Conference Series: Earth and Environmental Science*, 1164(1), 012006.
- Chatterjee, S., Rai, A., & Hazra, S. (2023). Environmental Stress and Health Vulnerability Assessment around Kolaghat Thermal Power Plant, West Bengal. *IOP Conference Series: Earth and Environmental Science*, 1164(1), 012012.
- Chatterjee, S., & Sarkar, K. (2021). Appraisal of urban–rural disparities in access to health care facilities and exposure to health risk factors: A case study of Durgapur Industrial region, India. *GeoJournal*, 1-18.
- Chatterjee, S., & Sarkar, K. (2018). Assessment of Environmental Degradation through Land use Land Cover Change Detection Using Remote Sensing and GIS in Durgapur City and its surroundings. *Geographical Review of India*, 80(2), 152-169.

## Ongoing Projects

- Editor, *Contemporary Social Physics* (Springer Publishing House, expected publication 2025)

## Skills

- Advanced GIS and Remote Sensing techniques.
- Environmental data analysis and interpretation.
- Scientific writing and publication.
- Project management and team leadership.
- Curriculum development and course design.

## **Languages**

[English, Hindi, Bengali]

## **References**

Available upon request.