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Assistant Professor (Grade-II)

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Qualifications

2003 - Undergraduate degree in Geography (B.Sc.) (Honours) - University of Calcutta, Kolkata (First Class)

Specialisation: Geomorphology

2005 - Postgraduate degree in Geography (M.Sc.) - University of Calcutta, Kolkata (First Class)

Specialisation: Advanced Geomorphology

2006 - Diploma in Geoinformatics - GIS, Institute, Noida

2013 - PhD in Geography - University of Calcutta, Kolkata

Thesis Title: *An Exploratory Geomorphological Analysis Using Modern Techniques for Sustainable Development of the Dulung River Basin*

Employment

2013 - Present : Assistant Professor, Department of Geography, Presidency University, Kolkata

2012 - 2013 : Assistant Professor, Department of Geography, Aliah University, Kolkata

2010 - 2012 : Lecturer, Department of Geography, Aliah University, Kolkata

Administrative/academic duties

- Secretary, Indian Society of Spatial Scientists (publishes Bi-Annual Journal - Indian Journal of Spatial Science)
- Secretary, Geographical Institute, Dept. of Geography, Presidency University, Kolkata
- Member, Executive Committee, Indian Institute of Geomorphologists, Allahabad
- Co-Editor, Special Issue "Remote Sensing Approaches to Landscape Analysis of Urban and Peri-Urban Environments" in *Remote Sensing*
- Research Advisory Committee Member, Department of Geography, Vidyasagar University, Midnapore; Department of Geography, Bankura University, Bankura; Departments of Geography and Sociology, Presidency University, Kolkata
- Member, Board of Studies (UG and PG), Department of Geography, Presidency University, Kolkata
- Guest Faculty (varying durations) in various Departments of Geography (East Calcutta Girl's College; Kolkata, Ashutosh College, Kolkata; Aliah University, Kolkata; Bhairab Ganguly College, Belghoria; West Bengal State University, Barasat; JIS University, Agarpara; Kazi Nazrul University, Asansol) and Departments of Environmental Science (University of Calcutta, Kolkata; Ashutosh College, Kolkata)

Consultancy Work

- Bathymetry Survey of River Ganga at Sahibganj, Jharkhand for IISWBM, Kolkata during 18-20 May, 2018
- Bathymetry Survey of River Mahanadi at Raigarh, Chhattisgarh for IISWBM, Kolkata during 5-7 July, 2018
- Bathymetry Survey of River Wainganga at Gondia, Maharashtra for IISWBM, Kolkata during 1-2 February, 2019

Academic Memberships

Life Member, National Association of Geographers (NAGI), India (NAGI); Life Member, Indian Society of Spatial Scientists (ISSS), Kolkata; Life Member, Geographical Institute, Presidency University, Kolkata; Life Member, Indian Society of Remote Sensing (ISRS), Dehradun; Life Member, Geographical Society of India, Kolkata; Life Member, Indian Institute of Geomorphologists (IGI), Allahabad; Annual Member, British Society of Geomorphology (BSG), UK

Funded Research Projects

1. Geomorphic Characterisation of the Gangani Tract, Paschim Medinipur District, West Bengal towards Landscape Mapping, Measurement and Management (Principal Investigator)

Timeline: (April, 2015 - March, 2018); Amount: Rupees Six Lakhs

Funding Agency: UGC Faculty Research Promotion Scheme (UGC-FRPS) Start-Up Grant

2. Large Scale Geomorphological Mapping of a Badland Terrain and Adjacent Stream Corridor for Measuring Gully Network Extension and Riverbank Erosion for Soil Loss Estimation and Agro-Forestry Conservation (Principal Investigator)

Timeline: (August, 2015 - July, 2018); Amount: Rupees Thirty-one Lakhs (approx. image worth)

Funding Agency: DigitalGlobe Foundation Imagery Grant

3. Implementing eco-geomorphological mitigation methods for alleviating riverbank erosion and flood hazard in the Lower Silai River Corridor in Paschim Medinipur District of West Bengal (Principal Investigator)

Timeline: (March, 2018 – March, 2021); Amount: Rupees Seven Lakhs

Funding Agency: Department of Higher Education, Science & Technology and Biotechnology (DHESTB) (Science & Technology Branch and Biotechnology Branch), Government of West Bengal

4. Riparian Health Assessment and Floodplain Fragmentation in the Rarh Region of Eastern India: Gauging the impact of mineral/sand mining and land use changes on the stream corridor quality and ecogeomorphology for prioritizing river restoration reaches (Principal Investigator)

Timeline: (May, 2022 – May, 2025 : Ongoing); Amount: Rupees 47.88 Lakhs

Funding Agency: Science and Engineering Research Board (SERB), Government of India, New Delhi

5. Geoarchaeology and Geoinformatics for coastal and maritime heritage in Ganges delta and adjoining coast of West Bengal (Co-Principal Investigator)

Timeline: September, 2023 to August, 2025 : Ongoing Amount: Rs. 28.13 Lakhs

Funding Agency: Department of Science and Technology Government of India, New Delhi

Research Supervision

Doctoral thesis

- Ms. Sayoni Mondal (UGC-NET SRF) Status: Degree awarded (September, 2022)
Thesis topic: Geomorphic and Ecological Assessment of Lower Silai Corridor for River Restoration
- Mr. Manas Hudait (UGC-NET SRF) Status: Degree awarded (September, 2022)
Thesis topic: Agro-Economic Viability of Betel Industry - A Case Study in Tamluk Sub-Division of Purba Medinipur District, West Bengal
- Mr. Rajarshi Dasgupta Status: Ongoing
Thesis topic: Late Quaternary Landscape Denudation in the Lateritic Badlands of Garbeta, West Bengal
- Mr. Dinabandhu Barman Status: Ongoing
Thesis topic: Hydromorphological analysis of oxbow lakes in the Jaldhaka floodplain and evaluation of their ecosystem services
- Mr. Kunal Mallick Status: Ongoing
Thesis topic: Assessment of pyrogenically induced pedological changes in the forests of south-western West Bengal

Research Publications Summary and Impact

Journal articles: SCI/ Scopus Journals: 42 Other Peer-reviewed Journals: 11

Paper/ Chapter in Edited Volumes: 22 Paper in Conference Proceedings: 06 Others: 13

Publication Metrics

Google Scholar: Total Citations : 1238 h-index: 18 i10-index: 35

ResearchGate: Research Interest Score: 1577 Recommendations: 609 Reads: 95777

SERB Qualified Unique Identification Number (SQUID) : SQUID-1982-PP-0308

Awards

- Best Paper in Earth Science category at 4th River Corridor Research and Management Conference (4th RCRM) at Indian Institute of Technology Guwahati, from 7 - 9 March, 2024
- DST SHRI Research Grant Award worth Rs. 28.13 Lakhs (\$33769)
- SERB Research Grant Award 2022 worth Rupees 47.88 Lakhs (\$59714)
- WB DHESTB Research Grant Award 2018 worth Rupees Seven Lakhs (\$9409).
- Best Paper in Earth Science Category at 2nd Regional Science and Technology Congress, Southern Region, Kalyani University, Nadia, organised by DST, GoWB, from 14-15 December, 2017
- Best Paper in Earth Science category at 24th West Bengal State Science and Technology Congress organised by DST, GoWB, from 28 February - 1 March, 2017
- UGC Basic Scientific Research Start-Up Grant Award 2015 worth Rupees Six Lakhs (\$8065)
- DigitalGlobe Foundation High Resolution Imagery Grant 2015 worth Rupees Thirty-one Lakhs (\$41670)
- Prof. N.P. Aiyar Young Geographer Award at 31st Indian Geography Congress of National Association of Geographers India, Rani Durgawati University, Jabalpur from 19-21 November, 2009
- First Prize at Junior Scientist Meet, Netaji Institute of Asian Studies, 18 March, 2009
- Best Paper at National Seminar on Research Methods & Techniques for Sustainable Development in India, Dept. of Geography, University of Calcutta, Kolkata, 25-26 March, 2006, organised by ILEE & IBRAD
- Junior Research Fellowship (J.R.F.) Award of University Grants Commission, India for doctoral studies in 2006.

Detailed Publication List

Journal articles

1. Bhattacharya, A., Mitra, S., Choudhary, V., Das, S., Patel, P.P. (2024). COVID-19, “risks” and critical reflections on WASH Services in Kolkata's Slums. *Regional Science Policy & Practice*. (accepted) (Impact Factor: 1.700)
2. Ghosh, K., Chakraborty, T., Patel, P.P. (2024). A new braiding index to assess river regulation effects in multi-thread channels: Insights from a highly regulated Himalayan river. *River Research and Applications*. doi: <https://doi.org/10.1002/rra.4261> (Impact Factor: 2.200)
3. Chakraborty, S., Novotny, J., Das, J., Patel, P.P., Maity, I., Roy, U. (2024). Spatial Environment and Open Defecation: In Pursuit of Social Valuation of Sanitation Ecosystem Services. *The Professional Geographer*, doi: <https://doi.org/10.1080/00330124.2023.2287167> (Impact Factor: 1.800)
4. Halder, T., Patel, P.P. (2023). An appraisal of housing quality of living in Durgapur: A spatial approach. *Transactions of the Institute of Indian Geographers*, 45(2), 207-222. doi: https://iigeo.org/wp-content/uploads/2023/11/Paper_5_Tamali.pdf
5. Sahana, M., Ravetz, J., Patel, P.P., Dadashpoor, H. and Follmann, A., (2023). Where Is the Peri-Urban? A Systematic Review of Peri-Urban Research and Approaches for Its Identification and Demarcation Worldwide. *Remote Sensing*, 15(5), p.1316. <https://doi.org/10.3390/rs15051316> (Impact Factor: 5.349)
6. Sahana, M., Patel, P.P., Rehman, S., Rahaman, M.H., Masroor, M., Imdad, K. and Sajjad, H., (2023). Assessing the effectiveness of existing early warning systems and emergency preparedness towards reducing cyclone-induced losses in the Sundarban Biosphere Region, India. *International Journal of Disaster Risk Reduction*, 90, p.103645. <https://doi.org/10.1016/j.ijdrr.2023.103645> (Impact Factor: 4.842)
7. Chatterjee, S., Das, S.K., Behera, P.K., Ghosh, D., Chakraborty, A., Patel, P.P. and Ikehara, M., (2023). Short-chain n-alkanes in benthic mats and mosses from the Larsemann Hills, East Antarctica. *Organic Geochemistry*, 179, p.104587. <https://doi.org/10.1016/j.orggeochem.2023.104587> (Impact Factor: 3.623)
8. Majhi, A., Patel, P.P., Shaw, R., Mallick, K. (2022) R, you correct? The Curious Case of Arnoldus (1977). Response to “Comment on ‘Towards improved USLE-based soil erosion modelling in India: A review of prevalent pitfalls and implementation of exemplar methods’ by Majhi et al. (2021), *Earth-Science Reviews*, 221, 103,786” by Chen and Bezak (2022). *Earth-Science Reviews*, 231, 104096. <https://doi.org/10.1016/j.earscirev.2022.104096> (Impact Factor: 12.038)
9. Rajbanshi, J., Das, S., Patel, P.P. (2022) Planform changes and alterations of longitudinal connectivity caused by the 2019 flood event on the braided Brahmaputra River in Assam, India. *Geomorphology*, 403, 108174. <https://doi.org/10.1016/j.geomorph.2022.108174> (Impact Factor: 4.406)
10. Islam, N., Patel, P.P. (2022). Inventory and GLOF hazard assessment of glacial Lakes in the Sikkim Himalayas, India. *Geocarto International*, 37(13), 3840-3876. <https://doi.org/10.1080/10106049.2020.1869332> (Impact Factor: 3.450)
11. Hudait, M., Patel, P.P. (2022) Site suitability assessment for traditional betel vine cultivation and crop acreage expansion in Tamluk Subdivision of Eastern India using AHP-based multi-criteria decision making approach. *Computers and Electronics in Agriculture*, 200, 107220. <https://doi.org/10.1016/j.compag.2022.107220> (Impact Factor: 6.757)

12. Das, S., Mukherjee, J., Bhattacharyya, S., **Patel, P.P.**, Banerjee, A. (2022) Detection of groundwater potential zones using analytical hierarchical process (AHP) for a tropical river basin in the Western Ghats of India. *Environmental Earth Sciences*, 81, 416. <https://doi.org/10.1007/s12665-022-10543-1> (Impact Factor: 3.119)
13. Behera, P.K., Das, S.K., Ghosh, D., Mani, D., Kalpana, M.S., Ikehara, M., **Patel, P.P.** (2022) Organic biogeochemical study of deeper southeastern Bengal Basin sediments in West Bengal, India. *Organic Geochemistry*, 170, 104451. <https://doi.org/10.1016/j.orggeochem.2022.104451> (Impact Factor: 3.623)
14. Chakraborty, S., Dadashpoor, H., Novotny, J., Maity, I., Follmann, A., **Patel, P.P.**, Roy, U. Pramanik, S. (2022) In pursuit of sustainability – Spatio-temporal pathways of urban growth patterns in the world's largest megacities. *Cities*, 131, 103919. <https://doi.org/10.1016/j.cities.2022.103919> (Impact Factor: 6.077)
15. Chakraborty, S., Novotny, J., Das, J., Bardhan, A., Roy, S., Mondal, S., **Patel, P.P.**, Santra, S., Maity, I., Biswas, R., Maji, A., Pramanik, S. (2022) Geography matters for sanitation! Spatial heterogeneity of the district-level correlates of open defecation in India. *Singapore Journal of Tropical Geography*, 43, 62-84. <https://doi.org/10.1111/sjtg.12402> (Impact Factor: 2.000)
16. Hudait, M., **Patel, P.P.** (2022) Crop-type mapping and acreage estimation in smallholding plots using Sentinel-2 images and machine learning algorithms: Some comparisons. *The Egyptian Journal of Remote Sensing and Space Sciences*, 25(1). 147-156. <https://doi.org/10.1016/j.ejrs.2022.01.004> (Impact Factor: 6.393)
17. Hudait, M., **Patel, P.P.** (2022) Dual impacts of the COVID-19 Pandemic and *Amphan* Super-cyclone on the smallholding betel leaf cultivation and trade in West Bengal. *Indian Journal of Geography & Environment*, 19, 15-31.
18. Kotal, M., Chakraborty, S., **Patel, P.P.** (2022) Housing for migrant workers: A case study of housing sub-market in Ernakulum District, Kerala. *Economic & Political Weekly*, 57(8), 12-18. <https://www.epw.in/journal/2022/8/commentary/housing-migrant-workers.html>
19. Hudait, M., **Patel, P.P.** (2021) Constraints in traditional betel leaf smallholdings: farmer perspectives from West Bengal. *Geographical Review of India*, 83(2), 114-131.
20. Das, S., Shit, P.K., **Patel, P.P.** (2022) Ecosystem services value assessment and forecasting using integrated machine learning algorithm and CA-Markov model: an empirical investigation of an Asian megacity. *Geocarto International* 37(25): 8417-8439. <https://doi.org/10.1080/10106049.2021.2002424> (Impact Factor: 3.450)
21. Chakraborty, S., Pramanik, S., Follmann, A., Giri, B., Mondal, B., **Patel, P.P.**, Maity, I., Das., Punia, M., Sahana, M. (2021) Dominant urban form and its relation to nighttime land surface temperature in the rapidly urbanizing National Capital Region of India. *Urban Climate*, 40: 101002. <https://doi.org/10.1016/j.uclim.2021.101002> (Impact Factor: 6.663)
22. Mandal, J., **Patel, P.P.**, Samanta, S. (2021) Examining the expansion of Urban Heat Island effect in the Kolkata Metropolitan Area and its vicinity using multi-temporal MODIS satellite data. *Advances in Space Research*. <https://doi.org/10.1016/j.asr.2021.11.040> (Impact Factor: 2.611)
23. Majhi, A., Shaw, R., Mullick, K., **Patel, P.P.** (2021) Towards improved USLE-based soil erosion modelling in India: A review of prevalent pitfalls and implementation of exemplar methods. *Earth-Science Reviews*, 221, 103786. <https://doi.org/10.1016/j.earscirev.2021.103786> (Impact Factor: 12.038)
24. **Patel, P.P.**, Dasgupta, R., Chanda, S., Mondal, S. (2021) An investigation into longitudinal forms of gullies within the “Grand Canyon” of Bengal, Eastern India. *Transactions in GIS*, 25(5), 2501-2528. <https://doi.org/10.1111/tgis.12828> (Impact Factor: 2.568)
25. Ray, S.K., Das, S.K., Chatterjee, S., **Patel, P.P.**, Ekbald, A., Yoshida, K. (2021) Modern analogue to past cosiesmic ground uplift in North Andaman, India. *Catena*, 205, 105471. <https://doi.org/10.1016/j.catena.2021.105471> (Impact Factor: 6.367)
26. Haque, I., Das, D. N., **Patel, P.P.**, Hasnine, Md. (2021) Towards an Enhanced Understanding of Caste-Based Residential Segregation in Indian Cities: Reflections from Kolkata and Bengaluru. *Spatial Demography*, 9, 187-211. <https://doi.org/10.1007/s40980-021-00085-8>
27. Mandal, J., **Patel, P.P.** (2021). Gauging the effects of the COVID-19 pandemic lockdowns on atmospheric pollution content in select countries. *Remote Sensing Applications: Society and Environment*, 23, 100551. <https://doi.org/10.1016/j.rsase.2021.100551>
28. Chakraborty, S., Maity, I., **Patel, P. P.**, Dadashpoor, H., Pramanik, S., Follman, A., Novotny, J., & Roy, U. (2021). Spatio-temporal patterns of urbanization in the Kolkata Urban Agglomeration: A dynamic spatial territory-based approach. *Sustainable Cities and Society*, 67, 102715. <https://doi.org/10.1016/j.scs.2021.102715> (Impact Factor: 10.696)
29. Imdad K., Sahana M., Rana Md J., Haque I., **Patel P.P.**, Pramanik M. (2021) A district-level susceptibility and vulnerability assessment of the COVID-19 pandemic's footprint in India. *Spatial and Spatio-temporal Epidemiology*, 36, 100390. <https://doi.org/10.1016/j.sste.2020.100390>
30. Sahana, M., Rehman, S., **Patel, P. P.**, Dou, J., Hong H., & Sajjad, H. (2020). Assessing the degree of soil salinity in the Indian Sundarban Biosphere Reserve using measured soil electrical conductivity and remote sensing data-derived salinity indices. *Arabian Journal of Geosciences*, 13, 1289. <https://doi.org/10.1007/s12517-020-06310-w> (Impact Factor: 1.827)

31. **Patel P.P.**, Mondal S., Ghosh K.G. (2020) Some respite for India's dirtiest river? Examining the Yamuna's water quality at Delhi during the COVID-19 lockdown period. *Science of The Total Environment*, 744: 140851. <https://doi.org/10.1016/j.scitotenv.2020.140851> (Impact Factor: 7.963)
32. Saha D., Das D., Dasgupta R., **Patel P.P.** (2020) Application of ecological and aesthetic parameters for riparian quality assessment of a small tropical river in eastern India. *Ecological Indicators*, 117: 106627. <https://doi.org/10.1016/j.ecolind.2020.106627> (Impact Factor: 4.958)
33. Mondal S., **Patel, P.P.** (2020) Implementing Vetiver grass-based riverbank protection programmes in rural West Bengal, India. *Natural Hazards*, 103: 1051-1076. <https://doi.org/10.1007/s11069-020-04025-5> (Impact Factor: 3.102)
34. Haque, I., Rana, Md J., **Patel P.P.** (2020) Location matters: Unravelling the spatial dimensions of neighbourhood level housing quality in Kolkata, India. *Habitat International*, 99: 102157. <https://doi.org/10.1016/j.habitatint.2020.102157> (Impact Factor: 5.369)
35. Naskar, R., **Patel, P.P.** (2019) Stream Classification & Historical Shifting of Middle Stretch of the Shilabati River at Garbeta. *Asian Studies*, XXXVI(1&2): 1-16.
36. Haque, I., Das, D.N., **Patel, P.P.** (2019) Reading the geography of India's district-level fertility differentials: a spatial econometric approach. *Journal of Biosocial Science*, 51(5): 745-774. <https://doi.org/10.1017/S0021932019000087> (Impact Factor: 1.207)
37. Sahana, M., Hong, H., Ahmed, R., **Patel, P.P.**, Bhakat, P., Sajjad, H. (2019) Assessing coastal island vulnerability in the Sundarban Biosphere Reserve, India, using geospatial technology. *Environmental Earth Sciences*, 78: 304. <https://doi.org/10.1007/s12665-019-8293-1> (Impact Factor: 2.180)
38. Sahana, M., **Patel, P.P.** (2019) A comparison of frequency ratio and fuzzy logic models for flood susceptibility assessment of the lower Kosi River Basin in India. *Environmental Earth Sciences*, 78: 289. <https://doi.org/10.1007/s12665-019-8285-1> (Impact Factor: 2.180)
39. Haque, I., Das, D.N., **Patel, P.P.** (2018) Spatial Segregation in Indian Cities: Does the City Size Matter? *Environment and Urbanization ASIA*, 9(1): 52-68. <https://doi.org/10.1177%2F0975425317749657>
40. Mondal, S., **Patel, P.P.** (2018) Examining the utility of river restoration approaches for flood mitigation and channel stability enhancement: a recent review. *Environmental Earth Sciences*, 77: 195. <https://doi.org/10.1007/s12665-018-7381-y> (Impact Factor: 1.871)
41. Haque, I., **Patel, P.P.** (2018) Growth of metro cities in India: trends, patterns and determinants. *Urban Research & Practice*, 11(4): 338-377. <http://dx.doi.org/10.1080/17535069.2017.1344727>
42. Guha, S., **Patel, P.P.** (2017) Evidence of topographic disequilibrium in the Subarnarekha River Basin, India: a digital elevation model based analysis. *Journal of Earth System Science*, 126: 106. <https://doi.org/10.1007/s12040-017-0884-1> (Impact Factor: 0.955)
43. Dasgupta, R., **Patel P.P.** (2017) Examining the Physical and Human Dichotomy in Geography: Existing Divisions and Possible Mergers in Pedagogic Outlooks. *Geographical Research*, 55(1): 100-120. <https://doi.org/10.1111/1745-5871.12220> (Impact Factor: 1.677)
44. Das, S., **Patel, P.P.**, Sengupta, S. (2016) Evaluation of Different Digital Elevation Models for Analyzing Drainage Morphometric parameters in a Mountainous Terrain: A Case Study of the Supin - Upper Tons Basin, Indian Himalayas. *SpringerPlus*, 5, 1544. <https://doi.org/10.1186/s40064-016-3207-0> (Impact Factor: 0.982)
45. Haque, I., **Patel, P.P.** (2016) Assessing Hindu-Muslim Fertility Differentials in West Bengal: Insights from the National Family Health Survey-3 Data. *Journal of Family History*, 41(2):192-224. <https://doi.org/10.1177/0363199016635216> (Impact Factor: 0.342)
46. Haque, I., **Patel, P.P.** (2015) Socioeconomic and Cultural Differentials of Contraceptive Usage in West Bengal: Evidence from National Family Health Survey Data. *Journal of Family History*, 40: 230-249. <https://doi.org/10.1177/0363199015572753> (Impact Factor: 0.342)
47. Sarkar, A., **Patel, P.P.** (2012) Terrain Classification of the Dulung Drainage Basin. *Indian Journal of Spatial Science*, III(1), 6.
48. Sarkar, A., **Patel, P.P.** (2011) Topographic Analysis of The Dulung R. Basin. *Indian Journal of Spatial Science*, II(1), 2.
49. **Patel, P.P.**, Sarkar, A. (2010) Terrain Characterization Using SRTM Data. *Journal of the Indian Society of Remote Sensing*, Vol. 38(1): 11-24. <https://doi.org/10.1007/s12524-010-0008-8> (Impact Factor: 0.725)
50. **Patel, P.P.** (2010) The Shifting 'Charlands' of the Godavari at Rajahmundry. *Indian Journal of Spatial Science*, I(1), 2.
51. **Patel, P.P.**, Sarkar, A. (2009) Application of SRTM Data in Evaluating the Morphometric Attributes: A Case Study of The Dulung River Basin. *Practicing Geographer*, 13(2): 249-265.
52. **Patel, P.P.** (2009) Estimation of Land Surface Temperature from Landsat Thermal Images towards Urban Heat Island Mapping of Kolkata. *Asian Studies*, XXVII(2): 34-44.
53. **Patel, P.P.**, Sarkar, A. (2007) Hypsometric Analysis of the Dulung N. Basin and its Sub-Basins. *Geographical Review of India*, 69(4): 409-422.

Book Chapters

1. Mondal, S., **Patel, P.P.** (2023) An Account of the Flood History in the Ghatal Region of West Bengal, India. In: Islam A, Shit PK, Datta DK, Islam MS, Roy S, Ghosh S, Das BC (eds.) *Floods in the Ganga-Brahmaputra-Meghna Delta*, Springer, Cham, pp. 351-363. https://doi.org/10.1007/978-3-031-21086-0_14
2. Mondal, S., **Patel, P.P.** (2022) Incorporating hydromorphological assessments in the fluvial geomorphology domain for transitioning towards Restorative River Science – Context, Concepts and Criteria. In: Islam A, Das P, Ghosh S, Mukhopadhyay A, Gupta AD, Singh AK (eds.) *Fluvial Systems in the Anthropocene: Process, Response and Modelling*, Springer, Cham, pp. 43-75. https://doi.org/10.1007/978-3-031-11181-5_4
3. Pratik, P., **Patel, P.P.** (2022) Assessment of Groundwater Level Fluctuations in and around Ranchi District, Jharkhand using geospatial datasets and methods. In: Shit, P.K., Bhunia, G.S., Adhikary, P.P. (eds.) *Case Studies in Geospatial Applications to Groundwater Resources*, Elsevier, pp. 341-371. <https://doi.org/10.1016/B978-0-323-99963-2.00015-8>
4. **Patel, P.P.**, Mondal, S., Dasgupta, R. (2022) The Lateritic Badlands of Garbeta, West Bengal. In: Misra, A.A., Mukherjee, S. (eds.) *Atlas of Geomorphological and Structural Geological Interpretation on Remote Sensing Images*, Wiley-Blackwell, pp. 63-76. <https://doi.org/10.1002/9781119813392.ch7>
5. **Patel, P.P.**, Guha, S., Das, D., Bose, M. (2022) Spatial variability of topographic attributes and channel morphological characteristics in the Ladakh Trans-Himalayas and their tectonic and structural controls. In: Bhattacharya, H.N., Bhattacharya, S., Das, B.C., Islam, A. (eds.) *Himalayan Neotectonics and Channel Evolution*, Springer, pp. 67-110. https://doi.org/10.1007/978-3-030-95435-2_3
6. Deb, S., Imdad, K., **Patel, P.P.**, Parween, S., Rashid, R. (2022) Approaches and methodologies on mapping vegetation cover and biodiversity status using remote sensing and spatial analysis: A systematic review. In: Sahana, M., Areendran, G., Raj, K. (eds.) *Conservation and Monitoring of Forest Resources in South Asia*, Springer, pp. 379-408. https://doi.org/10.1007/978-3-030-98233-1_15
7. Mukherjee, J., **Patel, P.P.** (2022) Landscape Characterization using Geomorphometric Parameters for a Small Sub-Humid River Basin of the Chota Nagpur Plateau, Eastern India. In: Shit P.K., Bera B., Islam A., Ghosh S., Bhunia G.S. (eds) *Drainage Basin Dynamics: An Introduction to Morphology, Landscape and Modelling*. Springer, Cham, pp. 127-152. https://link.springer.com/chapter/10.1007/978-3-030-79634-1_6
8. Mondal, S., **Patel, P.P.** (2021) Mapping, Measuring and Modelling Common Fluvial Hazards in Riparian Zones: A Brief Review of Relevant Concepts and Methods. In: Shit, P.K., Pourghasemi H.R., Bhunia, G.S., Das, P., Narsimha, A. (eds.) *Geospatial Technology for Environmental Hazards*. Springer, Cham, pp. 353-389. https://doi.org/10.1007/978-3-030-75197-5_16
9. **Patel, P.P.** (2021) Exploring geotools and geomedias to augment the classroom curriculum: A brief overview. In: Mukherjee, S., Sarkar, S. (eds.) *Population Health and Regional Development: Challenges and Issues*. OrangeBooks Publication, Chhattisgarh, pp. 5-17.
10. Gupta D., **Patel P.P.** (2021) Mapping Groundwater Level Fluctuation and Utilisation in Puruliya District, West Bengal. In: Adhikary P.P., Shit P.K., Santra P., Bhunia G.S., Tiwari A.K., Chaudhary B.S. (eds) *Geostatistics and Geospatial Technologies for Groundwater Resources in India* (Springer International Publishing, Switzerland, pp. 413-442. https://doi.org/10.1007/978-3-030-62397-5_22
11. **Patel P.P.**, Mondal S., Prasad R. (2020) Modifications of the Geomorphic Diversity by Anthropogenic Interventions in the Silabati River Basin. In: Das B.C., Ghosh S., Islam A., Roy S. (eds.) *Anthropogeomorphology of Bhagirathi-Hooghly River System in India*. Routledge, pp. 331-356. <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003032373-10/modifications-geomorphic-diversity-anthropogenic-interventions-silabati-river-basin-priyank-pravin-patel-sayoni-mondal-rishikesh-prasad>
12. Sahana M., Rihan Md., Deb S., **Patel P.P.**, Ahmad W.S., Imdad K. (2020) Detecting the Facets of Anthropogenic Interventions on the Palaeochannels of Saraswati and Jamuna. In: Das B.C., Ghosh S., Islam A., Roy S. (eds.) *Anthropogeomorphology of Bhagirathi-Hooghly River System in India*. Routledge, pp. 469-490. <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003032373-14/detecting-facets-anthropogenic-interventions-palaeochannels-saraswati-jamuna-mehebab-sahana-mohd-rihan-samrat-deb-priyank-pravin-patel-wani-suhail-ahmad-kashif-imdad>
13. **Patel, P.P.**, Dasgupta, R., Mondal, S. (2020) Using ground-based photogrammetry for fine-scale gully morphology studies: some examples. In: Shit, P.K., Pourghasemi, H.R., Sankar, G. (eds.) *Gully Erosion Studies from India and Surrounding Regions*, Springer International Publishing, Switzerland, pp. 207-220. https://doi.org/10.1007/978-3-030-23243-6_12
14. **Patel, P.P.**, Mondal, S. (2019) Terrain - Landuse Relation in Garbeta-I Block, Paschim Medinipur District, West Bengal.. In: Mukherjee, S. (ed.) *Importance and Utilities of GIS*, Avenel Press, Burdwan, pp. 82-101.
15. Banerji, D., **Patel, P.P.** (2019) Morphological Aspects of the Bakreshwar River Corridor, West Bengal, India. In: B. Das, S. Ghosh, A. Islam (eds.) *Advances in Micro Geomorphology of Lower Ganga Basin - Part I: Fluvial Geomorphology*, Springer International Publishing, Cham, pp 155-189. https://doi.org/10.1007/978-3-319-90427-6_9

16. Hudait, M., **Patel, P.P.** (2018) Acreage analysis of Betel vine crop through Boroj detection from high resolution imagery and internal architectural layout in Moyna Block of Tamluk Sub-division, Purba Medinipur. In: Mondal, B.K. (ed.) *Geoinformatics for Sustainable Environment Management*, Netaji Subhash Open University, Kolkata, pp 69-82.
17. **Patel, P.P.**, Das, S. (2017) Jamsola Geomorphosite Description Card. In: Kale, V.S. (ed.) *Atlas of Geomorphosites in India*, Indian Institute of Geomorphologists (IGI), Allahabad, pp 45-47.
18. Sarkar, A., **Patel, P.P.** (2016) Land Use - Terrain Correlations in the Piedmont Tract of Eastern India: A Case Study of the Dulung River Basin. In: A. Santra & S. Mitra (eds.) *Handbook of Research on Remote Sensing Applications in Earth and Environmental Studies*, IGI Global, USA, pp 147-193. [10.4018/978-1-5225-1814-3.ch008](https://doi.org/10.4018/978-1-5225-1814-3.ch008)
19. Mondol, S., Sarkar, A., **Patel, P.P.** (2016) Causes of Drainage Congestion in the Moyna Block, Purba Medinipur, West Bengal. In: Mondol, D.K. (ed.) *Application of Geospatial Technology for Sustainable Development*, University of North Bengal, India, North Bengal University Press, Raja Rammohunpur, pp 1-9.
20. Chatterjee, S., **Patel, P.P.** (2016) Quantifying Landscape Structure and Ecological Risk Analysis in Subarnarekha Sub-watershed, Ranchi. In: Mondol, D.K. (ed.) *Application of Geospatial Technology for Sustainable Development*, University of North Bengal, India, North Bengal University Press, Raja Rammohunpur, pp 54-76.
21. Sarkar, A., **Patel, P.P.** (2009) Drainage Analysis of the Dulung Basin. In: Sharma, H.S. and Kale, V.S. (ed.) *Geomorphology In India*, Prayag Pustak Bhavan, Allahabad, pp 133-154.
22. **Patel, P.P.**, Dasgupta, R. (2009) Flood Induced Land Use Change in The Dulung River Valley, West Bengal. In: Singh, R.B., Roy, S.D.D., Samuel, H.D.D.K., Singh, V.D. and Biji, G.D. (ed.) *Geoinformatics for Monitoring and Modelling Land-Use, Bio-diversity and Climate Change - Contribution Towards International Year of Planet Earth*, Vol. 1, NMCC Publication, Marthandam, pp 103-123.

Conference Proceedings

1. Ghosh, S., Bookhagen, B., **Patel, P.P.** (2024, January 22-25). Topography, Rainfall and Vegetation Interactions in the Two Scarp Regions of India: the Western Ghats and Meghalaya Plateau [Poster Presentation]. American Geophysical Union (AGU) Annual Meeting 2023. San Francisco, USA. <https://agu23.ipostersessions.com/Default.aspx?s=C6-9C-6F-42-0C-39-A7-99-FF-7A-DC-2E-EB-8E-B9-C9>
2. Chakraborty, S., **Patel, P.P.** & Follmann, A. (2022). Land use and land cover changes in the rapidly urbanizing National Capital Region in India. In J. Müller, M. Wenner & C. Dittrich (Eds.) (Eds.), *Aktuelle Forschungsbeiträge zu Südasien (Current research contributions to South Asia)* (pp. 1-5). Heidelberg: Heidelberg Asian Studies Publishing. <https://doi.org/10.11588/hasp.1020>
3. **Patel, P.P.**, Mondal, S. & Dasgupta, R. (2021). Morphometric and channel erosivity analysis of lateritic gully catchments using high resolution DTM and repeat survey structure-from-motion datasets. In M. Alvioli, I. Marchesini, L. Melelli & P. Guth (Eds.), *GEOMORPHOMETRY 2020 Conference Proceedings* (pp. 251-253). Perugia: CNR Edizioni. <https://www.irpi.cnr.it/conference-files/geomorphometry-2020/67.pdf>
4. **Patel, P.P.** (2013) GIS Techniques for Landscape Analysis - Case Study of the Chel River Basin, West Bengal. *Proceedings of State Level Seminar on Geographical Methods in the Appraisal of Landscape*, Dept. of Geography, Dum Dum Motijheel Mahavidyalaya, Kolkata, on 20th March, 2012, pp 1-14
5. **Patel, P.P.**, Sarkar, A. (2009) Analyzing Impact of Land Cover Changes in Kolkata on Corresponding Land Surface Temperature from Landsat Thermal Imagery. *Proceedings of the Indian Society of Remote Sensing National Symposium*, VANAMATI, Nagpur from 17-19 September, 2009
6. **Patel, P.P.**, Sarkar, A. (2008) Geomorphological Analysis of The Stream Networks Generated from SRTM DEM and Topographical Maps. *Proceedings of the Indian Society of Remote Sensing National Symposium*, NIRMA University, Ahmedabad from 18-20 December, 2008

Newspaper/Magazine articles

1. **Patel, P.P.** (2023) Blue is the colour of life. Book Review – Shades of Blue: Connecting the Drops in India’s Cities, *The Telegraph* (Kolkata, 22 December 2023) <https://www.telegraphindia.com/culture/books/blue-is-the-colour-of-life-short-visuals-provide-insights-into-scientific-hydro-social-and-ecological-facets-of-waterbodies/cid/1988556>
2. **Patel, P.P.** (2023) Mystical heights. Book Review - Mystics and Sceptics: In Search of Himalayan Masters, *The Telegraph* (Kolkata, 12 May 2023) <https://www.telegraphindia.com/culture/books/namita-gokhales-edited-volume-collates-various-anecdotes-of-such-swamis-sadhus-and-lamas-who-have-come-to-personify-the-landscapes-divinity/cid/1936235>
3. **Patel, P.P.** (2023) Lines redrawn. Book Review - We, The people of the states of Bharat: The making and remaking of india’s internal boundaries, *The Telegraphy* (Kolkata, 3 March, 2023) <https://www.telegraphindia.com/culture/books/sanjeev-chopras-book-is-not-just-a-map-based-look-at-indias-past-divisions-but-a-valuable-insight-into-how-the-nation-has-rearranged-itself-and-may-continue-to-redefine-its-territory-and-dem/cid/1920115>

4. **Patel, P.P.** (2022) The road to wisdom. Book Review - Nomads: The Wanderers Who Shaped Our World, *The Telegraph* (Kolkata, 30 September, 2022) <https://www.telegraphindia.com/culture/books/the-road-to-wisdom-nomads-the-wanderers-who-shaped-our-world-by-anthony-sattin/cid/1889584>
5. **Patel, P.P.** (2022, February 01). Books from reader's choice [Review of the book Saraswati: The River Par Excellence, by S.K. Acharyya, K. Ghosh & A. Kar (Eds)]. Monthly Bulletin: Asiatic, LI (2), 75-78. <https://www.asiaticsocietykolkata.org/uploads/Bulletin%20February%202022.pdf>
6. Banerjee, S., **Patel, P.P.** (2022) India's urban floods: Why we need to look at nature-based solutions. *Down To Earth* (20 September, 2022) <https://www.downtoearth.org.in/blog/natural-disasters/india-s-urban-floods-why-we-need-to-look-at-nature-based-solutions-85013>
7. **Patel, P.P.** (2022, October 01). Book Review [Review of the book Learning GIS Using Open Source Software - An Applied Guide for Geo-spatial Analysis, by K. Saha & Y.K. Froyen]. *Indian Journal of Spatial*, 13 (3), 123-124.
8. **Patel, P.P.** (2022) India's geomyths. Book Review - Gods, Giants and the Geography of India, *The Telegraph* (Kolkata, 29 April, 2022). <https://www.telegraphindia.com/culture/books/indias-geomyths-gods-giants-and-the-geography-of-india-by-nalini-ramachandran/cid/1862790>
9. **Patel, P.P.** (2021) A beauty in braids. Book Review - The Braided River: A Journey along the Brahmaputra, *The Telegraph* (Kolkata, 19 November, 2021) <https://www.telegraphindia.com/culture/books/review-the-braided-river-a-journey-along-the-brahmaputra-by-samrat-choudhury/cid/1839553>
10. **Patel, P.P.** (2021, October 01). Book Review [Review of the book Re-envisioning Remote Sensing Applications: Perspectives from Developing Countries, by R. Singh (Ed.)]. *Indian Journal of Spatial*, 12 (1), 176-180.
11. **Patel, P.P.** (2021) Ganga: tales of wonder and crisis. Book Review - Superhuman River: Stories of the Ganga, *The Telegraph* (Kolkata, 1 January, 2021) <https://www.telegraphindia.com/culture/books/review-superhuman-river-stories-of-the-ganga-by-bidisha-banerjee/cid/1802236>
12. **Patel, P.P.** (2019) Ganga: Coursing through the ages. Book Review - Ganga: Many Past of a River, *The Telegraph* (Kolkata, 28 June, 2019). <https://www.telegraphindia.com/culture/books/coursing-through-the-ages/cid/1693299>
13. **Patel, P.P.** (2018) Ramblings on the Rumblings of Calcutta's Trams. *Coldnoon: International Journal of Travel Writing and Travelling Cultures* (December 22, 2018). <https://coldnoon.com/magazine/dialogues/essays/ramblings-on-the-rumblings-of-calcuttas-trams/>

- **Peer-reviewed Journals served as Reviewer**

Elsevier: Cities; Habitat International; Sustainable Cities and Society; Regional Studies in Marine Science; Trees, Forests and People; Journal of Palaeogeography; Advances in Space Research; Environmental Development

Springer: GeoJournal; Current Science; Journal of Mountain Science; SN Applied Sciences; Natural Hazards; Urban Affairs Review; Applied Geomatics; Modeling Earth Systems and Environment; Earth Science Informatics; Arabian Journal of Geosciences; Applied Water Science; Environment, Development and Sustainability

Taylor & Francis: Journal of Maps

Routledge: Journal of Environmental Planning and Management

Others: Indian Journal of Spatial Science; Indian Journal of Geography and Environment; Journal of Dynamics in Agricultural Research; Journal of Geography and Regional Planning; Indian Journal of Geomorphology

- **Organizing Committee Member**

- National Seminar on “Negotiating Nature, Culture and the Future” at Dept. of Geography, Presidency University (28 February – 1 March 2019)
- Three Weeks Workshop on "Geographical Methods" at Dept. of Geography, Presidency University (December 2017)
- National Seminar on "Remote Sensing & Environment" at Jadavpur University, Kolkata from 20-22 March, organized by School of Oceanographic Studies, Jadavpur University, Kolkata and DST, GoWB
- Seminar Lecture Series at Dept. of Geography, Presidency University, Kolkata (December 2014)
- The Equinox - Annual Event of the Indian Society of Spatial Scientists
- GeoFest - Annual Event of the Geographical Institute, Presidency University

Details of Invited Lectures / Conferences / Seminars / Workshops

Invited Lectures / Resource Person or Instructor at Workshop

1. Invited Lecture and Software Demonstration (Topic: DEM for Watershed and Flood Modeling) at Workshop organised by Indaca Institute of Skills, 17-18 February 2024

2. Invited Lecture (Topic: Recent Trends in Geography) at State Level Seminar and Poster Presentation organised by Department of Geography, Kanchrapara College, Kanchrapara, 6 January 2024
3. Invited Lecture (Topic: Geoinformatics Advances and Frontiers) on occasion of Special Lecture to celebrate GIS Day, organised by Department of Geography, Kazi Nazrul University, Asansol, 5 December 2023
4. Invited Lecture (Topic: Change Detection Mapping in Fluvial and Coastal Environments from Geospatial Datasets) organised by Department of Geography, Victoria Institution, Kolkata, 12 October 2023
5. Invited Lecture (Topic: Old Maps and Images: Cartographic Histories in India) at Department of Geography, Dhupguri Girls' College, Dhupguri, Jalpaiguri, 3 September 2023
6. Invited Lecture (Topic: Interpreting Topographical Maps: Symbols, Landscape and Histories) at 'Isthmus' Lecture Series organised by Department of Geography, Bankura Zilla Saradamani Mahila Mahavidyapith, Bankura, 19 August 2023
7. Invited Lecture (Topic: Use of GIS and RS in Archaeology) at One-Day Hands-on Skill Development Workshop on Archaeology, organised by Department of Archaeology, University of Calcutta, Kolkata, 7 August 2023
8. Invited Discussant at Workshop on Revisiting the Craft of History Writing for Children (2023) (Panel 1: History of Rivers (*Nodir Chola*) by Debarati Bagchi) organised by Department of Sociology, Presidency University, Kolkata and Institute of Development Studies, Kolkata, 27 June 2023
9. Invited Lecture (Topic: Understanding our Planet: New Frontiers in Earth System Science) at Special Lecture Series organised by Department of Geography, Bidhannagar College, Kolkata, 8 May 2023
10. Invited Lecture (Topic: Surface Processes in Geomorphology: Fundamental Laws and Mechanisms) at Value Added Course on 'Application of Scientific Methodologies in Geography' organised by Department of Geography, Jadavpur University and Department of Geography, Women's Christian College on 1 April 2023
11. Invited Lecture (Topic: From Minerals to Mountains: The Basics of Geoscience) at Value Added Course on 'Application of Scientific Methodologies in Geography' organised by Department of Geography, Jadavpur University and Department of Geography, Women's Christian College on 25 March 2023
12. Invited Lecture (Topic: What next after an Undergraduate Geography Degree: Some avenues) as Geography Special Lecture at Department of Geography, Gokhale College, Kolkata, 22 March 2023
13. Resource Person and Hands-on Instructor (Topic: Using Digital Elevation Models for Terrain Evaluation) at Department of Geography, North Bengal University, Siliguri, 17 February 2023
14. Invited Lecture (Topic: Colonial Cartography in the Indian Subcontinent) at Department of Geography, Sukanta Mahavidyalaya, Dhupguri, 16 February 2023
15. Invited Lecture (Topic: Drainage Pattern and Fluvial Landforms) at Training Programme on Methodology of Teaching for in-service school teachers at Ramakrishna Mission Shikshanamandira, Belur, 3 January 2023
16. Invited Lecture (Topic: River Channel Changes: Factors and Outcomes) at Department of Geography, Purash-Kanpur Haridas Nandi Mahavidyalaya, Howrah, 13 December 2022
17. Invited Lecture (Topic: Mapping Riverscapes in the Bengal Delta: An Exemplar Human - Flood Interface) at EqUIP Workshop organised by IIT, Kharagpur at Jadavpur University, Kolkata, 8 December 2022
18. Resource Person for Hands-on Training (Topic: 1D HEC-RAS Hydrodynamic Modeling) at One Week Capacity Building Training Workshop on Applications of Modern Techniques in Hydrogeomorphology (Hydro-Geo 2022), organised by Department of Geography, Kazi Nazrul University, Asansol, 28 November 2022
19. Invited Lecture (Topic: Examining floods through discharge analysis and hydraulic simulations: different approaches) at One Week Capacity Building Training Workshop on Applications of Modern Techniques in Hydrogeomorphology (Hydro-Geo 2022), organised by Department of Geography, Kazi Nazrul University, Asansol, 28 November 2022
20. Invited Lecture (Topic: Publishing Your Research - Tools and Pitfalls, Outlets and Metrics) at Department of Geography, Prasanta Chandra Mahalanobis Mahavidyalaya, Kolkata, 26 November 2022
21. Invited Lecture (Topic: SAR Data Analysis and Utility) at Short Term Course on Advanced Geoinformatics organised by Geoinformatics and Remote Sensing Cell, Department of Science and Technology and Biotechnology, Government of West Bengal in Kolkata, 22 November 2022
22. Invited Lecture (Topic: Careers in Geography: Possible Next Steps) at Department of Geography, Ramsaday College, Amta, 18 November 2022
23. Invited Lecture (Topic: Examination of Morphological and Channel Longitudinal Aspects of Gully Catchments Using High Resolution images) at Weekly Seminar Program organised by Center for Environment & Marine Studies, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia, 21 September 2022

24. Invited Lecture (Topic: Application of SAR & Optical Remote Sensing in Water Resource Management) at Short Term Course on Advanced Geoinformatics organised by Geoinformatics and Remote Sensing Cell, Department of Science and Technology and Biotechnology, Government of West Bengal, 19 September 2022
25. Invited Lecture – Keynote Speaker (Topic: GeoConnections and Geographical Conversations – Our Spaces, Places and Futures) at Geo-Connect organised by Department of Geography, Adamas University, Barasat, 11 August 2022
26. Invited Speaker (Topic: Mapping the Colony) at March to Freedom Exhibition in Indian Museum, Kolkata, organised by DAG, New Delhi; Indian Museum, Kolkata; Ministry of Culture, Government of India, New Delhi, 6 August 2022
27. Invited Lecture (Topic: Caring for our Coasts) at Aquamania '22 - Scientists' Meet organised by Marine Ecology Laboratory, Department of Life Sciences, Presidency University, Kolkata, 8 June 2022
28. Resource Person (Lecture Topic: Natural hazards mapping and nature based solutions) at Online Lecture Series on occasion of Earth Day “Invest in Our Planet”, organised by PG Dept. of Geography, Maharani Janki Kunwar College (Bettiah, West Champaran), 5 May 2022
29. Invited Lecture (Topic: Climate Change and Health) as Extension Lecture in Online Mode at Dept. of Geography, Rabindra Bharati University, Kolkata, 27 February 2022
30. Resource Person (Lecture Topic: Landscape evolution theories, and concept in Geomorphology) in Lecture Series on Geography organised by Dept. of Geography & IQAC, Nistarini College, Puruliya, 20 December 2021
31. Invited Speaker - Nurturing Young Talent Workshop (Topic: Urban Metrics and Mapping Methods) at International Conference and 52nd Annual Meet of Regional Science Association, India organised by Institute of Development Studies Kolkata and Regional Science Association (Kolkata), 8 December 2021
32. Resource Person (Lecture Topic: The world through GIS: New and old geographies) at Special Lecture Series “Geography and the World” organised by Department of Geography, PRMS Mahavidyalaya (Baragari (P. More), Jamboni), Bankura, 9 November 2021
33. Guest Speaker (Topic: Advances in fluvial ecogeomorphology - Conceptual models and assessment frameworks) at Two-Day International Webinar on River and Changing Riverine Ecosystem organised by Foundation of Practising Geographers, Kolkata at Dept. of Geography, Aliah University (Kolkata), 25 September 2021
34. Resource Person (Lecture Topic: Environmental Management) as Online Extension lecture at Department of Geography, Ramakrishna Sarada Mission Vivekananda Vidyabhavan (Kolkata), 20 July 2021
35. Resource Person (Lecture Topic: Career prospects of Geography with Geospatial Techniques) as Online Invited Lecture at Department of Geography, Tara Devi Harakh Chand Kankaria Jain College (Kolkata), 10 July 2021
36. Resource Person (Lecture Topic: Conceptual Models in River Science and Riparian Landscape Analysis) at Online Departmental Special Lecture Series organised by Department of Geography, East Calcutta Girls' College (Kolkata), 7 July 2021
37. Resource Person (Lecture Topic: Advances in Geoinformatics and GIS Applications) at One Day State Level Webinar on “Remote Sensing and GIS IQAC & Dept. of Geog. P.N. Das College and Netaji Satabarshiki College, Palta (Kolkata), 25 June 2021
38. Invited Lecture (Topic: Remote Sensing based approaches to Climate and Water Resource Assessments) at Webinar on Climate Change Impacts on Water Resources organised by Department of Geography, Sukanta Mahavidyalaya, Dhupguri, 16 May 2021.
39. Invited Lecture (Topic: Topographical Map Number - The Open Series Map (OSM) Scheme) at State Level Workshop on "Topographical Maps: Numbering, Symbolology and Nuances" organised by DumDum Motijheel Rabindra Mahavidyalaya, Kolkata, 2 March 2021
40. Invited Lecture (Topic: Topographical Map Number - The Everest Scheme) at State Level Workshop on "Topographical Maps: Numbering, Symbolology and Nuances" organised by DumDum Motijheel Rabindra Mahavidyalaya, Kolkata, 1 March 2021
41. Invited Lecture (Topic: A Future in Geography: Prospects and Possibilities) at Webinar organised by Department of Geography, Hiralal Mazumdar Memorial College for Women, Kolkata, 27 February 2021
42. Invited Lecture (Topic: 3D Imaging and Modelling Applications in Geography) at International Webinar on 'The Power of GIS and 3D Modelling' organised by Geo-Passionates Society, Kolkata, 4 October 2020
43. Invited Lecture (Topic: Doing Fieldwork in Geography) at Online Lecture Series on 'Avenues of Contemporary Geography' organised by Department of Geography, Magrahat College, South 24 Parganas, 28 September 2020
44. Invited Lecture (Topic: Geospatial Advances: Developments and Prospects) at Two-Day Online Lectures organised by Department of Geography, Surendranath College for Women, Kolkata, 27 September 2020
45. Invited Lecture (Topic: Can Geography be your Next Step? - Prospects and Requirements) at 7 days State Level Webinar Series on “Geography in the Contemporary World” organised by Department of Geography, Raidighi College, South 24 Parganas, 26 September 2020

46. Invited Lecture (Topic: Remote Sensing Applications in Water Resource Management) at AICTE funded Short Term Training Program (21.09.2020 to 26.09.2020) on Basic of Remotes Sensing, Geographical Information System (GIS) and Global Navigation Satellite System (GNSS) organised by Department of Civil Engineering, Francis Xavier Engineering College, Tirunelveli, 25 September 2020
47. Invited Lecture (Topic: Journal Searches, Citations and Impact Factors) at Webinar on Modalities of Publication: Ethics, Repository and Advanced Search organised by Department of Geography, Herembachandra College, Kolkata, 21 September 2020
48. Invited Lecture (Topic: Indian Society of Spatial Scientists (ISSS) - Organisation, Activities and Publications) at National Online Meet on Development of Geographical Institutions in India organised by The Indian Geographical Society, University of Madras, Chennai, 4-7 September 2020
49. Invited Lecture (Topic: Evolution of Geomorphological Thoughts and Ideas) at Online Webinar on Evolution of Geomorphological Thoughts and Ideas organised by Department of Geography, Vivekananda College for Women, Kolkata, 4 September 2020
50. Invited Lecture (Topic: Journal Metrics, Categories and Best Practices in Publishing Research) at International Webinar on Intellectual Property Right & Research Methodology organised by Internal Quality Assurance Cell, Sarojini Naidu College for Women, Kolkata, 31 August 2020
51. Invited Lecture (Topic: Geography as a Discipline: Opportunities and Challenges) at Two Days Online International Conference On Geography as a Discipline: Opportunities and Challenges organised by Department of Geography and Internal Quality Assurance Cell, Dewan Abdul Gani College, Dakshin Dinajpur, 25 August 2020
52. Invited Lecture (Topic: Global Energy Resources and Geopolitics) at International Level Online Webinar on "Resource Studies: A Changing Paradigm in Social Science" organised by Integrated Institute for Advanced Research and Information (IIARI), Kolkata, 16 August 2020
53. Invited Lecture (Topic: Geospatial Approaches towards resolving Environmental and Planning Issues) at Webinar on Geography and Society : Issues and Techniques organised by Department of Geography, Purash-Kanpur Haridas Nandi Mahavidyalaya, Howrah, 7 August 2020
54. Invited Lecture and Software Demonstration (Topic: Data Analysis Methods in Hydrology - From Spreadsheets to Softwares to Source Codes) at Online Workshop on Innovative Research Trends in Contemporary Geography organised by Department of Geography and Internal Quality Assurance Cell of East Calcutta Girls' College, Kolkata, 7 July 2020
55. Invited Lecture (Topic: Hydrological and Terrain Modelling - Principles, Basic Concepts and Datasets) at Online Workshop on Innovative Research Trends in Contemporary Geography organised by Department of Geography and Internal Quality Assurance Cell of East Calcutta Girls' College, Kolkata, 7 July 2020
56. Invited Lecture (Topic: Journal Metrics and Citations and Plagiarism Detection) at Online Workshop on Research Methodology organised by Internal Quality Assurance Cell, East Calcutta Girls' College, Kolkata and Internal Quality Assurance Cell, Acharya Prafulla Chandra College, Kolkata, 26 June 2020
57. Invited Lecture (Topic: A Career in Geoinformatics - Options and Requirements) at Webinar on The Science of Places: Exploring the Career Goals and Competencies of Future Geographers organised by Department of Geography, Adamas University, Kolkata, 31 May 2020
58. Resource Person at YGF-2020 (Young Geomorphologists Forum) at University of Calcutta, Kolkata on 3 March, 2020
59. Resource Person at Workshop on Advanced Use of ArcGIS in Urban Planning at PRMS Mahavidyalaya, Bankura on 11 December, 2019
60. Invited Lecture on Topographical Maps and Map Numbering Schemes at Ma Sarada Girls College, Barasat on 4 December, 2019
61. Invited Lecture (Topic: Places and Spaces - Virtual and Cyberspaces) at Department of Geography, Victoria Institution (College), Kolkata on 16 May, 2019
62. Invited Lecture (Topic: *Application of GIS in different aspects of Urbanization, Resource Management and Regional Development*) at ICSSR Sponsored National Seminar in Geography on *Population, Health and Regional Development: Issues and Challenges*, held at Prasannadeb Women's College, Jalpaiguri on 23 February, 2019
63. Invited Lecture (Topic: Hydrological Analysis and GIS Applications) at Department of Geography, Bijoy Krishna Girl's College, Howrah on 22 February, 2019
64. Resource Person in Panel Discussion (Topic: Living under Threat: Mangroves of the Sunderbans - Search for coping mechanisms through an interdisciplinary approach) at Department of Geography, Prasanta Chandra Mahalanobis Mahavidyalaya, Kolkata on 11 January, 2019
65. Invited Lecture (Topic: *Utilizing Geoinformatics for Geographical Analysis*) at Department of Geography, North-Eastern Hill University, Shillong on 11 December, 2018

66. Invited Lecture (Topic: Topographical Maps - Their Design and Data) at Department of Geography, Mrinalini Dutta Mahavidyapith, Birati on 20 July, 2018
67. Invited Lecture as Resource Person (Topic: *Geospatial Modelling from Digital Elevation Models*) at Workshop on Geostatistical Techniques organised by Indian Society of Spatial Scientists, Chandannagar on 17 June, 2018
68. Invited Lecture (Topic: *Geospatial Data Analysis Techniques in Physical and Human Geography*) at Department of Geography, Bhairab Ganguly College, Kolkata on 28 April, 2018
69. Invited Lecture as Resource Person (Topic: *Statistical Analysis in Excel and DEM Analysis in WhiteBox*) at Three Day National Workshop on "Geospatial Data Analysis using Open-Source Software" at Department of Geography, Adamas University, Barasat, on 19 April, 2018
70. Invited Lecture (Topic: *Basics of Fluvial Channel Forms and Processes*) at Department of Geography, Rabindra Bharati University, Kolkata on 29 March, 2018
71. Invited Lecture (Topic: *Basics of Tectonic and Fluvial Processes*) at Department of Geography, Haringhata Mahavidyalaya, Nadia on 16 March, 2018
72. Invited Lecture (Topic: *Basics of Remote Sensing and Digital Image Analysis*) at Special Saturday Lecture Series at Department of Geography, Bhairab Ganguly College, Kolkata on 23 December, 2017
73. Invited Lecture as Resource Person (Lecture Topic: *RS-GIS Methods for the Environmental Sciences*) at Department of Environmental Science, University of Calcutta, Kolkata, on 15 December 2017
74. Invited Lecture as Resource Person (Lecture Topic: *Stream Table based Modelling and its DEM Analysis*) at Three Weeks Workshop on Geographical Methods at Department of Geography, Presidency University, Kolkata, on 11 December, 2017
75. Invited Lecture as Resource Person (Lecture Topic: *Terrain Analysis from Digital Elevation Models*) at Three Weeks Workshop on Geographical Methods at Department of Geography, Presidency University, Kolkata, on 10 December, 2017
76. Invited Lecture as Resource Person (Lecture Topic: *Digital Cartographic Principles and Mapping Techniques*) at Three Weeks Workshop on Geographical Methods at Department of Geography, Presidency University, Kolkata, on 9 December, 2017
77. Invited Lecture as Resource Person (Lecture Topic: *Geospatial Datasets and Techniques*) at Department of Geography, University of Calcutta, Kolkata, 30 October, 2017
78. Invited Lecture as Resource Person (Lecture Topic: *Geographical Investigation Methods*) at Department of Geography, University of Calcutta, Kolkata, 10 October, 2017
79. Invited Lecture as Resource Person (Lecture Topic: *The Use of Very High Resolution Imagery and Terrain Datasets for Micro-level Structural and Geomorphological Analysis*) at UGC-DEB sponsored National Seminar on "Environmental Management with the Application of GIS and Geoinformatics" organised by Netaji Subhas Open University, Kolkata, 9 September, 2017
80. Invited Lecture as Resource Person (Lecture Topic: *Rivers of West Bengal originating from Chotonagpur*) at Special Saturday Lecture Series at Kobigaan Academy, Bangaon, North 24 Parganas, West Bengal on 2 September, 2017
81. Invited Lecture as Resource Person (Lecture Topic: *Geoinformatics, Digital Elevation Models and SfM Techniques*) at Special Saturday Lecture Series at Department of Geography, Bhairab Ganguly College, Kolkata on 12 August, 2017
82. Invited Lecture as Resource Person and Hands-on Software Instructor (Lecture Topic: *Geomorphology from DEMs*) at "One week Training Programme in Geoinformatics" at East Calcutta Girls' College, Kolkata, 3 April, 2017
83. Invited Lecture (Topic: *"Career Prospects in Geography"*) at Department of Geography, Raja Rammohan College, Kolkata, 30 March, 2017
84. Invited Lecture as Resource Person (Lecture Topic: *Application of RS/GIS in Spatial Planning*) in *Workshop on Spatial Planning: Analytical Skills, Approaches and Methods* at UGC Human Resource Development Centre, University of Calcutta, Kolkata, 20 February, 2017
85. Invited Panellist and Discussant at International Symposium on *Challenges on Urbanisation and Planning in China and India* at Department of Geography, University of Calcutta, Kolkata on 2 - 3 January, 2017.
86. Resource Person and Hands-on Software Instructor (Lecture Topic: *"Fluvial Geomorphology using high resolution DEM"*) at SERB (DST) sponsored 10 days National Workshop on Essential Laboratory and Field Techniques in Geosciences at Department of Geography and Environment Management, Vidyasagar University, Midnapore December, 2016
87. Invited Lecture (Topic: *"Career Prospects in Geography"*) at Department of Geography, Barrackpore Rastraguru Surendranath College, Barrackpore, 16 December, 2016
88. Resource Person (Invited Lecture Topic: *"Physical and Social Sustainability of the Environment through Geoinformatics"*) at Two Day National Seminar on Environment and Sustainability - A Geographical Perspective, at Department of Geography, Prasanta Chandra Mahalanobis Mahavidyalaya, Kolkata on 18 - 19 November, 2016.

89. Invited Lecture (Topic: *The Application of GIS in Modern Geographical Studies: An Overview*) on "GIS Fundamentals and Applications" at Department of Geography, Netaji Nagar Evening College, Kolkata, West Bengal, 3 September, 2016
90. Invited Lecture (Lecture Topic: *Digital Cartography Applications: An Overview*) on "Digital Cartography for Planning and Development in Education" at Department of Geography, East Calcutta Girls College, Kolkata, West Bengal, 22 March, 2016
91. Resource Person and Hands-on Software Instructor (Lecture Topic: Stream Extraction from Digital Elevation Models and Terrain Analysis) on "UGC-CPE Sponsored Short Term Course on Geoinformatics" at Bankura Christian College, Bankura, West Bengal, 4 March, 2016
92. Resource Person (Lecture Topic: Fundamentals of Fluvial Geomorphology) at "The Equinox 2016 - Part II" organised by Indian Society of Spatial Scientists at Department of Geography, Chandernagore Government College, Chandannagar, West Bengal, 14 February, 2016
93. Resource Person (Lecture Topic: Maps and Map Making Today) at "The Equinox 2016 - Part I" organised by Indian Society of Spatial Scientists at Department of Geography, Chandernagore Government College, Chandannagar, West Bengal, 17 January, 2016
94. Resource Person and Hands-on Software Instructor (Lecture Topic: Digital Image Processing (DIP), Active and Passive System, DEM Generation) on "Short Term Course in Remote Sensing and GIS" at UGC Human Resource Development Centre, The University of Burdwan, Burdwan, West Bengal, 30 December, 2015
95. Invited Lecture (Topic: Fluvial Geomorphology: Channel Morphology and River Hydrology with special reference to impact of Climate Change) at Dept. of Geography, St. Xavier's College, Burdwan, West Bengal, 9 December, 2015
96. Resource Person and Hands-on Software Instructor (Lecture Topic: Digital Elevation Models and Terrain Analysis) on "Workshop on Methodology of Fluvial Research and Software Handling" at Department of Geography, University of Gour Banga, Malda, West Bengal, 8 September, 2015
97. Invited Lecture (Topic: Basics of Geoinformatics and Landscape Analysis) at Dept. of Geography, Darjeeling Government College, Darjeeling, West Bengal, 11 September, 2015
98. Invited Lecture (Lecture Topic: Recent Advances in Geotectonics and Geomorphology and in relation to Landscape Study) at Dept. of Geography, North Bengal St. Xavier's College, Jalpaiguri, West Bengal, 10 September, 2015
99. Resource Person and Hands-on Software Instructor (Lecture Topic: Using Digital Elevation Models for Terrain Analysis and Drainage Demarcation) at First Winter School on Remote Sensing and GIS at Academic Staff College, Burdwan University (ASC-BU), Burdwan, 24 December, 2014.
100. Resource Person (Lecture Topic: *"Mapping Terrain and Socioeconomic Indices for Rural Area Development"*) at UGC sponsored National Seminar on "Inclusive Growth and Sustainability" held at Behrampore College Behrampore from 11-12 April, 2013, organised by Dept. of Economics & Geography, Behrampore College and Dept. of Geography, Dumkal College
101. Resource Person and Hands-on Software Instructor (Lecture Topic: *"GIS & Geo-informatics"* with Demonstration Tutorial of TAS DEM Processing Software) at I.S.R.O. sponsored 14 Day Fourth National Workshop on Foundation of Space Science and Technology at Vivekananda Research Centre, Kolkata during June, 2012, organised by The Kalpana Chawla Centre for Space and Nano Sciences
102. Invited Lecture (Topic: *"GIS Techniques for Landscape Analysis"*) at UGC sponsored One Day State Level Seminar on "Geographical Methods in the Appraisal of Landscape" held at Dept. of Geography, Dum Dum Motijheel Mahavidyalaya, Kolkata, on 20 March, 2012, organised by Dept. of Geography, Dum Dum Motijheel Mahavidyalaya, Kolkata
103. Invited Lecture (Topic: *"Digital Elevation Models, Terrain Classification and Basin Morphometry"*) at Saturday Seminar Series held at The Dept. of Geography, Presidency University on 26 November, 2011, organised by Geographical Institute, Presidency University
104. Resource Person (Lecture Topic: *"Influence of Map Scale and Image Resolution on Stream Network Delineation"*) at UGC sponsored State Level Seminar on "Environmental Degradation and Strategies for Conservation and Management" held at Dept. of Geography, Krishnagar Government College from 24-25 November, 2011, organised by the Dept. of Geography, Krishnagar Government College and World Wide Fund for Nature (WWF) India, West Bengal State Office, Kolkata
105. Resource Person (Lecture Topic: *"Geo-informatics – An Overview"*) at I.S.R.O. sponsored 14 Day Fourth National Workshop on Foundation of Space Science and Technology at Vivekananda Research Centre, Kolkata during June, 2011, organised by The Kalpana Chawla Centre for Space and Nano Sciences
106. Invited Lecture (Topic: *"The Fluvial System"*) at Faculty Seminar held at The Department of Geography, Aliah University, Kolkata on 15 November, 2010
107. Resource Person and Hands-on Software Instructor (Lecture Topic: *"GIS & Geo-informatics"* with tutorial of ILWIS Image Processing Software) at I.S.R.O. sponsored 14 Day Third National Workshop on Foundation of Space Science and Technology

at Vivekananda Research Centre, Kolkata during May, 2010, organised by The Kalpana Chawla Centre for Space and Nano Sciences

108. Resource Person (Lecture Topic: “GIS & Geo-informatics – An Overview” as Resource Person at I.S.R.O. sponsored 14 Day Second National Workshop on Foundation of Space Science and Technology at Vivekananda Research Centre, Kolkata during June, 2009, organised by The Kalpana Chawla Centre for Space and Nano Sciences
109. Invited Lecture as Resource Person (Topic: “GIS & Geo-informatics - An Overview”, with Prof. A. Sarkar, Professor & Head, Dept. of Geography, Presidency College, Kolkata) at The District Magistrate’s Bungalow, Howrah District as part of the foundation for GIS usage in Planning & Development for Howrah District, on 24 June, 2008
110. Resource Person (Lecture Topic: “GIS & Geo-informatics” as Resource Person at I.S.R.O. sponsored 14 Day Second National Workshop on Foundation of Space Science and Technology at Vivekananda Research Centre, Kolkata during June, 2008, organised by The Kalpana Chawla Centre for Space and Nano Sciences
111. Resource Person (Lecture Topic: “Geo-Informatics: An Emerging Front in Geography” at Dept. of Geography, Presidency College, Kolkata on 29th April, 2006

Seminar / Conference Technical Session Chairperson / Co-Chairperson

1. Chairperson of Technical Session II-F at International Conference (Online) on Climate Change, Disaster Management and Environmental Sustainability, organised by Department of Geography, Jamia Milia Islamia, New Delhi, 21-22 February 2024
2. Co-Chairperson of Technical Session at 34th National Conference of Indian Institute of Geomorphologists (IGI), organised by Department of Geography, Savitribai Phule Pune University (SPPU), Pune (Pune), 2-4 November 2022
3. Co-Chairperson of Technical Session at International Conference (Online) on Challenges of Disasters: Vulnerability, Adaptation and Resilience, organised by Centre for Disaster Management, Dept. of Geography, Jamia Milia Islamia, New Delhi, 2-3 March 2021
4. Chairperson of Technical Session at ICSSR Sponsored National Seminar in Geography on *Population, Health and Regional Development: Issues and Challenges*, held at Prasannadeb Women's College, Jalpaiguri on 23 February, 2019
5. Chairperson of Parallel Session IV at UGC-DEB sponsored National Seminar on "Environmental Management with the Application of GIS and Geoinformatics" organised by Netaji Subhas Open University, Kolkata, 9 September, 2017
6. Co-Chairperson of Technical Session No. 17 on Geomorphology and Natural Hazards - V at 29th Conference of the Indian Institute of Geomorphologists (IGI) at Department of Geography, University of Calcutta, Kolkata from 24-26 November, 2016.
7. Co-Chairperson of Technical Session No. 2 at Two Day National Seminar on Environment and Sustainability - A Geographical Perspective, at Department of Geography, Prasanta Chandra Mahalanobis Mahavidyalaya, Kolkata on 18 - 19 November, 2016.
8. Co-Chairperson of Technical Session No. 6 at Two-Day International Seminar on Fluvial Processes and Anthropogenic Footprint at Department of Geography, University of Gour Banga, from 11-12 March, 2016
9. Co-Chairperson of Technical Session on Historical Cartography, Web Maps and Atlases at XXXV Indian National Cartographic Association (INCA) International Congress at Centre for the Study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, New Delhi from 15-17 December, 2015
10. Chairperson of Seminar Session on Rural Development at UGC sponsored National Seminar on “Inclusive Growth and Sustainability” held at Behrampore College, Behrampore from 11-12 April, 2013, organised by Dept. of Economics & Geography, Behrampore College and Dept. of Geography, Dumkal College

Participant in Workshops / Tutorials

1. Virtual Workshop on “ArcGIS based Story Maps” organised by Department of Geography, St. Xavier’s College, Burdwan on 27 April, 2021
2. Attended Refresher Course in Geography (online mode) at UGC-HRDC, JNU, New Delhi, from 18 October to 1 November, 2021
3. National Workshop on Quantitative Geomorphology at IIT Gandhinagar, Gandhinagar from 7-21 February, 2020
4. ISPRS TC V Pre-Symposium Tutorial on "Ground Based 3D Modelling" at Indian Institute of Remote Sensing, Dehradun from 17-19 November, 2018
5. Global Initiative of Academic networks (GIAN) Course on “GIS Methods for Flood Risk Management” at National Institute of Technology, Warangal from 25 July - 1st August, 2018

6. One Day Workshop on "ISRO Outreach Programme for Eastern Region" organised by Regional Remote Sensing Centre-East (RRSC-E, Kolkata), National Remote Sensing Centre / Indian Space Research Organisation (NRSC/ISRO), in collaboration with University of Calcutta, on April 27, 2018 (Friday) at Rabindra Tirtha, New Town, Kolkata
7. Attended Refresher Course in Earth Sciences, Geography and Allied Disciplines (Interdisciplinary) from UGC-HRDC, North-Eastern Hill University, Shillong from 19 June to 9 July, 2017
8. Two-day Workshop (Pre-Symposium Tutorial) on Radar Satellite Imaging Systems, organised by the Indian Society of Geomatics (ISG) and Indian Society of Remote Sensing (ISRS) in Jaipur from 14-15 December, 2015
9. One-week long Workshop on Quantitative Methods for Researchers in Social Science, organized by Institute of Development Studies, Kolkata, 27-31 July, 2015.
10. *Attended* Orientation Programme (OP-109), Academic Staff College, University of Calcutta (ASC-CU), 30 March - 29 April, 2015. Grade Secured: "A".
11. *Participated in* Pre-Symposium Tutorial on Flood Monitoring and Modelling, ISPRS TC VIII International Symposium, National Remote Sensing Centre (NRSC), Hyderabad, 7-8 December, 2014.
12. *Participated in* Workshop on 'Remote Sensing and Aerial Photography' held at Loreto College, Kolkata on 12 December, 2013, organised by Dept. of Science and Technology and Dept. of Geography, Loreto College, Kolkata
13. *Participated in* Tutorial on Use of High Resolution Satellite Data in Agriculture (Watershed) Planning and Development at NBSS & LUP and RRSSC, Nagpur organised by I.S.R.O. from 15-16 September, 2009 on occasion of Indian Society of Remote Sensing National Symposium, 2009
14. *Participated in* Microwave Signatures Tutorial Workshop at Space Applications Centre (SAC) Ahmadabad, organised by I.S.R.O. from 16-17 December, 2008 on occasion of Indian Society of Remote Sensing National Symposium, 2008

Paper presentations in Seminars / Conferences

1. Patel, P.P., Gupta, S. "*Discerning River Sand Mining Effects in West Bengal: New Anthropogenic Riverine Landforms and Water Quality Variations from Google Earth Engine-based Image Analysis and Field Measurements*" at 4th International Conference on River Corridor Research and Management, organised by IIT-Guwahati, 7-9 March 2024 (**Best Paper Award in Technical Session on Geospatial Technology for River Basin Management**)
2. Patel, P.P., Gupta, S. "*Water quality variations in sand mining stretches of Rarh Bengal rivers*" at International Seminar on Impacting Groundwater by Climate Change, Mining, Urban Mining and Chemical Contamination – Successful Mitigation Solutions, organised by Centre for Groundwater Studies, Kolkata, 3-4 January 2024
3. Patel, P.P., Gupta, S., Haldar, S. "*A proposed classification of montanogenic landforms resulting from sand mining and their hydro-morphological expressions across rivers of Rarh Bengal*" at 35th National Conference of Indian Institute of Geomorphologists (IGI) organised by Centre for the Study of Regional Development (CSRSD), Jawaharlal Nehru University (JNU), New Delhi, 25-27 November 2023
4. Paul, S., Patel, P.P., Bookhagen, B. "*Orographic Effect and Frontal Influence of the Western Ghats and Meghalaya Plateau on ISMR and local vegetation-landscape attributes*" at 35th National Conference of Indian Institute of Geomorphologists (IGI) organised by Centre for the Study of Regional Development (CSRSD), Jawaharlal Nehru University (JNU), New Delhi, 25-27 November 2023
5. Roy, A., Patel, P.P., Sen, A. "*Geomorphometric characterization of Brahmani River Basin, Odisha, India*" at 35th National Conference of Indian Institute of Geomorphologists (IGI) organised by Centre for the Study of Regional Development (CSRSD), Jawaharlal Nehru University (JNU), New Delhi, 25-27 November 2023
6. Patel, P.P. "*Ascertaining topographic form based on multiresolution mapping of surface curvature and elevation*" at 34th National Conference of Indian Institute of Geomorphologists (IGI) organised by Department of Geography, Savitribai Phule Pune University (SPPU), Pune (Pune), 2-4 November 2022
7. Patel, P.P., Rajbanshi, J. Mitra, M. "*Graph theory based assessments of braided river planform alterations: insights from the Brahmaputra*" at 34th National Conference of Indian Institute of Geomorphologists (IGI) organised by Department of Geography, Savitribai Phule Pune University (SPPU), Pune (Pune), 2-4 November 2022
8. Dasgupta, R., Patel, P.P., Mondal, S. "*Anthropogenic Footprint across a Lateritic Badland Geomorphosite in West Bengal: Present Status*" at 32nd Annual Conference of the Indian Institute of Geomorphologists (IGI) organised by Dept. of Geography, West Bengal State University (Barasat), 21-23 January 2021
9. Mondal, S., Alam, S., Patel, P.P. "*Flood Susceptibility and Vulnerability Analysis using combined AHP, GIS and hydraulic modelling techniques: a case study of the Lower Silabati River Basin in West Bengal*" at Roorkee Water Conclave organized during 26-28, February 2020 at IIT Roorkee, Uttarakhand

10. Das, D., Patel, P.P., Dasgupta, R., Saha, D. "*Applicability of rapid assessment methods for the identification of sediment-impaired reaches in an intermittent river: A case study of the River Dulung in Eastern India*" at Roorkee Water Conclave organized during 26-28, February 2020 at IIT Roorkee, Uttarakhand
11. Mondal, S., Patel, P.P. "*Using Eco-geomorphological Indices to analyse River Health and characterise Stream Functions: A case study of R. Silabati, West Bengal*" at 31st IGI Conference held at the Department of Geography & Applied Geography, University of North Bengal in 12-14 November 2019
12. Alam, A, Mondal, S., Patel, P.P. "*Analysis of Flood Susceptibility and Vulnerability in Ghatal Block, Paschim Medinipur District, West Bengal using Machine Learning and GIS methods*" at 31st IGI Conference held at the Department of Geography & Applied Geography, University of North Bengal in 12-14 November 2019
13. Islam, N., Patel, P.P. "*A GIS-based Monte Carlo Least Cost Path (MC-LCP) Method for Assessing the Outburst Flood Risk from Phunri Glacial Lake, Sikkim Himalayas, India*" at 7th International Conference on Water and Flood Management (ICWFM 2019) held at Dhaka, Bangladesh from 2-4 March, 2019
14. Das, D., Patel, P.P. "*Geodiversity assessment of Jharkhand using geospatial datasets and techniques*" at National Seminar on Negotiating Nature, Culture and the Future, organised by Department of Geography, Presidency University, Kolkata, 28 February - 1 March, 2019
15. Mukherjee, J., Patel, P.P. "*An insight into riverbank instability and overbank deposits splayed along the Lower Dulung River Basin, Jhargram District, West Bengal*" at 30th National Conference of Indian Institute of Geomorphologists organised by Department of Geography, Jamia Milia Islamia, New Delhi, 3-5 October, 2018
16. Mondal, S., Patel, P.P. "*Using High Resolution Structure from Motion Techniques for Micro-level Morphological Mapping in Field and Flume Environments*" at 25th West Bengal State Science and Technology Congress, 2018, organised by Department of Science and Technology, Government of West Bengal, 4-5 March, 2018
17. Mukherjee, J., Banerji, D., Patel, P.P. "*Landscape Characterization of the Kharkai River Basin through Terrain Morphometry and Hydrological Analysis*" at 25th West Bengal State Science and Technology Congress, 2018, organised by Department of Science and Technology, Government of West Bengal, 4-5 March, 2018
18. Mondal, S., Patel, P.P. "*Ecogeomorphological Analysis of the Silbati Basin, West Bengal for Channel Stability and Riparian Health Assessment*" at XXIX North East India Geographical Society Biennial Conference cum XI International Geographical Union Commission Seminar, organised by B. Borooah College, Guwahati, 8-10 February, 2018
19. Hudait, M., Patel, P.P. "*Mapping Spatio-Temporal Variations in Betel-Vine Acreage from High-Resolution Images for Tamluk Sub-division, West Bengal*" at XXIX North East India Geographical Society Biennial Conference cum XI International Geographical Union Commission Seminar, organised by B. Borooah College, Guwahati, 8-10 February, 2018
20. Mukherjee, J., Banerji, D., Patel, P.P. "*Quantifying the landscape of the Kharkai River Basin through Terrain Morphometry and Hydrological Analysis*" at XXIX North East India Geographical Society Biennial Conference cum XI International Geographical Union Commission Seminar, organised by B. Borooah College, Guwahati, 8-10 February, 2018
21. Mondal, S., Patel, P.P. "*Using High Resolution Structure from Motion Techniques for Micro-level Morphological Mapping in Field and Flume Environments*" at 2nd Regional Science and Technology Congress, Southern Region, Kalyani University, Nadia, organised by Department of Science and Technology, Government of West Bengal, from 14-15 December, 2017 (**received Best Paper Award in Earth Science Category**)
22. Mukherjee, J., Banerji, D., Patel, P.P. "*Landscape Characterization of the Kharkai River Basin through Terrain Morphometry and Hydrological Analysis*" at 2nd Regional Science and Technology Congress, Southern Region, Kalyani University, Nadia, organised by Department of Science and Technology, Government of West Bengal, from 14-15 December, 2017 (**received Best Paper Award in Earth Science Category**)
23. Hudait, M., Patel, P.P. "*Acreage Analysis of Betelvine Crop through Boroj Detection from high resolution imagery and internal architectural layout in Tamluk Subdivision, Purba Medinipur*" at UGC-DEB sponsored National Seminar on "Environmental Management with the Application of GIS and Geoinformatics" organised by Netaji Subhas Open University, Kolkata, 9 September, 2017
24. Mondal, S., Patel, P.P., Dasgupta, R. "*Induced Changes in Slope Morphology, Soil Properties and Gully Expansion From Trail Development and Anthropogenic Footprint across a Lateritic Badland Geomorphosite*" at 9th International Conference on Geomorphology (9th ICG), organised by Indian Institute of Geomorphologists (IGI), New Delhi from 6-11 November, 2017.
25. Dasgupta, R., Patel, P.P., Sengupta, S. "*Urbanization induced threat to Geoheritage in West Bengal, Eastern India: A case study of the Khoai near Shantiniketan*" at 9th International Conference on Geomorphology (9th ICG), organised by Indian Institute of Geomorphologists (IGI), New Delhi from 6-11 November, 2017.

26. Sahana, M., Patel, P.P. "*Flood Susceptibility Assessment of the Kosi Megafan in India using Frequency Ratio and Fuzzy Logic Approaches*" at Seventh International Conference on Flood Management (ICFM7), University of Leeds, Leeds, United Kingdom, 5-7 September, 2017.
27. Patel, P.P. and Dasgupta, R. "Planform behavior of mid-channel islands in large South India Rivers" at International Conference on "Status and Future of the World's Large Rivers" organised by International Association of Hydrological Sciences, New Delhi from 18-21 April, 2017
28. Patel, P.P. "Preparing Three-Dimensional Print Models from Structure-from Motion Photogrammetry for micro-level structural and geomorphological analysis" at National Seminar on Changing Physico-Cultural Landscape - Threats and Opportunities, organised by Department of Geography, University of Calcutta, Kolkata from 29-30 March, 2017.
29. Mondal, S. and Patel, P.P. "Bank Stability Evaluation and Lateral Bank Retreat Estimation using the BSTEM - BANCS Approach for the Silabati River at Garbeta, West Bengal" at National Seminar on Changing Physico-Cultural Landscape - Threats and Opportunities, organised by Department of Geography, University of Calcutta, Kolkata from 29-30 March, 2017.
30. Mondal, S. and Patel, P.P. "Predicting Stream Bank Erosion using the BSTEM Approach for the Silabati River in West Bengal" at 24th West Bengal State Science and Technology Congress, Presidency Division, West Bengal organised by Dept. of Science and Technology, Govt of West Bengal, from 28 February - 1 March, 2017 (**Best Paper Award in Earth Science Category**)
31. Dasgupta, R. and Patel, P.P. "Soil Loss Estimation from Small Catchments in the Lateritic Tracts of Garbeta Region, Paschim Medinipur District, West Bengal" at National Conference on Managing Soil Resource for Environmental Sustainability: Challenges & Perspectives at Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi from 9-10 December, 2016.
32. Patel, P.P. "*Using Structure-from-Motion Photogrammetry for generation of digital elevation models and three dimensional representation of micro-geomorphological features*" at 29th Conference of the Indian Institute of Geomorphologists (IGI) at Department of Geography, University of Calcutta, Kolkata from 24-26 November, 2016.
33. Parui, S. and Patel, P.P. "*Automated Extraction of Gully Network from Very High Resolution Geospatial Datasets for Sub-Catchment Prioritization on basis of Rill Extension and Soil Loss*" at 29th Conference of the Indian Institute of Geomorphologists (IGI) at Department of Geography, University of Calcutta, Kolkata from 24-26 November, 2016.
34. Mondal, M. and Patel, P.P. "*Using the BANCS approach for determining site-specific riverbank vulnerability and estimating bank-line shifting for the Silabati River at Garbeta, Paschim Medinipur District, West Bengal*" at 29th Conference of the Indian Institute of Geomorphologists (IGI) at Department of Geography, University of Calcutta, Kolkata from 24-26 November, 2016.
35. Mondal, S. and Patel, P.P. "*Predicting Stream Bank Erosion using the BSTEM Approach for the Silabati River in West Bengal*" at 1st Regional Science and Technology Congress, Presidency Division, West Bengal organised by Department of Science and Technology, Government of West Bengal, from 13 - 14 November, 2016 (**received Best Paper Award**)
36. Hudait, M. and Patel, P.P. "*Droughts in West Bengal - An analysis of their characteristics, regional patterns and frequency*" at 1st Regional Science and Technology Congress, Presidency Division, West Bengal organised by Department of Science and Technology, Government of West Bengal, from 13 - 14 November, 2016
37. Hudait, M. and Patel, P.P. "*Using remotely sensed Vegetation Indices to ascertain Crop Diversity and Estimate Yield in Tamluk Sub-division of Purba Medinipur District, West Bengal*" at 36th INCA International Congress on Cartography for Analysis and Management of Climate Change at Department of Geography, Visva Bharati, Shantiniketan, from 9 - 11 November, 2016
38. Pal, R., Haque, Sk. M., Patel, P.P. "*Where do the poor live? A locational analysis of the BPL Households within Kolkata Municipal Corporation*" at 36th INCA International Congress on Cartography for Analysis and Management of Climate Change at Department of Geography, Visva Bharati, Shantiniketan, from 9 - 11 November, 2016
39. Patel, P.P. "*Comparison of Potential Flowlines using Different Flow Accumulation Algorithms from Digital Elevation Models*" at Two-Day International Seminar on Fluvial Processes and Anthropogenic Footprint at Department of Geography, University of Gour Banga, from 11-12 March, 2016
40. Parui, S. and Patel, P.P. "*Analysis of Soil Loss from Small Channels and Gully Expansion in the Garbeta Region, Paschim Medinipur District*", West Bengal, at Two-Day International Seminar on Fluvial Processes and Anthropogenic Footprint at Department of Geography, University of Gour Banga, from 11-12 March, 2016
41. Mondal, M. and Patel, P.P. "*Analysing River-bank Vulnerability and Bank-line Shifting through computed and measured Indices for the Silabati River at Garbeta, Paschim Medinipur District*", West Bengal, at Two-Day International Seminar on Fluvial Processes and Anthropogenic Footprint at Department of Geography, University of Gour Banga, from 11-12 March, 2016

42. Patel, P.P. "Examining Different Flow Accumulation Algorithms for Potential Flowline Extraction from Digital Elevation Models", at UGC National Seminar on Contemporary Research in Geography at Bhairab Ganguly College, Kolkata from 5-6 March, 2016
43. Parui, S. and Patel, P.P. "*Relationships between Gully Longitudinal Profile and Sediment Grain-size at Gangani Danga in Garbeta, Paschim Medinipur District, West Bengal*", at UGC National Seminar on Contemporary Research in Geography at Bhairab Ganguly College, Kolkata from 5-6 March, 2016
44. Mondal, M. and Patel, P.P. "*Application of the BEHI in Quantifying Bank Erosion: A Case Study of the Silabati River Stretch at Garbeta, Paschim Medinipur District, West Bengal*", at UGC National Seminar on Contemporary Research in Geography at Bhairab Ganguly College, Kolkata from 5-6 March, 2016
45. Gupta, D. and Patel, P.P. "*Mapping Groundwater Extraction and Piezometric Surface Fluctuations in Puruliya District, West Bengal - A Block Level Assessment*", at XXXV Indian National Cartographic Association (INCA) International Congress at Centre for the Study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, New Delhi from 15-17 December, 2015
46. Mondal, S. and Patel, P.P. "*Modelling and Projecting Urban Growth using Land Transformation Model: A Case Study of Sonarpur Block, West Bengal*", at XXXV Indian National Cartographic Association (INCA) International Congress at Centre for the Study of Regional Development, School of Social Sciences, Jawaharlal Nehru University, New Delhi from 15-17 December, 2015
47. Chatterjee, S. and Patel, P.P. "*Quantifying Landscape Structure and Ecological Risk Analysis in Subarnarekha Sub-watershed, Ranchi*" at UGC Sponsored National Seminar on Applications of Geospatial Technology for Sustainable Development, University of North Bengal, Siliguri, West Bengal, 13-14 February, 2015.
48. Sarkar, S. Sarkar, A. and Patel, P.P. "*Causes of Drainage Congestion in Moyna Block, Purba Medinipur, West Bengal*", at UGC Sponsored National Seminar on Applications of Geospatial Technology for Sustainable Development, University of North Bengal, Siliguri, West Bengal, 13-14 February, 2015
49. Naskar, R. and Patel, P.P. "*Landscape Representation in Herge's 'Adventures of Tintin'*" at Institute of Landscape, Ecology and Ekistics (ILEE) International Seminar on Environmental Perspectives and Resource Management, Kolkata, West Bengal, 19-20 December, 2014.
50. Atta, A. and Patel, P.P. "*Ecological Assessment of Rabindra Sarobar, Kolkata*" at Institute of Landscape, Ecology and Ekistics (ILEE) International Seminar on Environmental Perspectives and Resource Management, Kolkata, West Bengal, 19-20 December, 2014.
51. Chowdhury, R., Biswas, M. and Patel, P.P. "*Terrain Analysis of the Middle Subarnarekha River Basin - A Case Study of the Ghatshila Area*" at Institute of Landscape, Ecology and Ekistics (ILEE) International Seminar on Environmental Perspectives and Resource Management, Kolkata, West Bengal, 19-20 December, 2014.
52. Gomes, J.A., Rai, A. and Patel, P.P. "*Medical Tourism in the Dum Dum Area - A Small Case Study*" at Institute of Landscape, Ecology and Ekistics (ILEE) International Seminar on Environmental Perspectives and Resource Management, Kolkata, West Bengal, 19-20 December, 2014.
53. Haque, I. and Patel, P.P. "*Space Utilisation subsequent to Flyover Construction and Socioeconomic Aspects of Residents below them in Kolkata*" at 36th Indian Geography Congress of National Association of Geographers, India (NAGI), Jaipur, Rajasthan, 17-19 November, 2014.
54. Banerji, D., Patel P.P. "*Channel Form Analysis of the Bakreshwar River, Birbhum District, West Bengal, India*", 27th Annual Conference of IGI (Indian Institute of Geomorphologists), Digha, West Bengal, 14-17 November, 2014.
55. Das, S., Patel, P.P. and Sengupta, S. "*Evaluation of Different Digital Elevation Models for Analyzing Drainage Morphometric Parameters in a Mountainous Terrain: A Case Study of Supin - Upper Tons Basin, Uttarkashi District, Uttarakhand*" at National Seminar on "Remote Sensing & Environment" held at Jadavpur University, Kolkata from 20-22 March, organised by School of Oceanographic Studies, Jadavpur University, Kolkata and Department of Science & Technology, Government of West Bengal
56. Banerji, D. and Patel, P.P. "*Morphological Aspects of the Bakreshwar River Corridor, Birbhum, West Bengal*" at National Seminar on "Contemporary Research in Geography" held at Bhairab Ganguly College, Belgharia from 14-15 March, 2014, organised by Dept. of Geography, Bhairab Ganguly College, Belgharia
57. Gupta, D. and Patel, P.P. "*Groundwater Extraction and Utilisation in Puruliya District, West Bengal*" at National Seminar on "Contemporary Research in Geography" held at Bhairab Ganguly College, Belgharia from 14-15 March, 2014, organised by Dept. of Geography, Bhairab Ganguly College, Belgharia

58. Bhui, K. and Patel, P.P. "*Rural Landuse in Singur Block, Hooghly District, West Bengal*" at National Seminar on "Contemporary Research in Geography" at Bhairab Ganguly College, Belgharia, 14-15 March, 2014, organised by Dept. of Geography, Bhairab Ganguly College, Belgharia
59. Hudait, M. and Patel, P.P. "*Some Morphological Aspects of the Gangani Badlands, Paschim Medinipur District, West Bengal*" at National Seminar on "Contemporary Research in Geography" held at Bhairab Ganguly College, Belgharia from 14-15 March, 2014, organised by Dept. of Geography, Bhairab Ganguly College, Belgharia
60. Patel, P.P. and Sarkar, A. "*A Methodology for Linking Terrain and Socioeconomic Attributes through Multidimensional Thematic Mapping*" at UGC sponsored National Seminar on "Land, People and Society" held at North Bengal University, Siliguri from 6-7 March, 2014, organised by Dept. of Geography & Applied Geography, University of North Bengal
61. Haque, I. and Patel, P.P. "*Space Utilisation Around Flyovers in Kolkata - A Sustainable Approach*" at UGC sponsored National Seminar on "Inclusive Growth and Sustainability" held at Behrampore College Behrampore from 11-12 April, 2013, organised by Dept. of Economics & Geography, Behrampore College and Dept. of Geography, Dumkal College
62. Sarkar, A. and Patel, P.P. "*Application of Modern Geographical Tools & Techniques in Planning and Development*" at UGC sponsored National Seminar on "Environment, Resources & Development" held at Dept. of Geography, Lalbaba Colege, Belur from 4-5 March, 2013, organised by Dept. of Geography Lalbaba College, Belur, and Dept. of Geography, University of Calcutta
63. Biswas, B. and Patel, P.P. "*Sub-Basin Prioritisation of the Sankha River Basin using Morphometric Techniques*" at National Seminar on "River, Flood and Sustainable Resource Management" held at Dept. of Geography, University of Gour Banga on 23rd February, 2013, organised by Dept. of Geography, University of Gour Banga
64. Patel, P.P. "*Re-Examining Bifurcation Ratio Computations for Drainage Basins*" at 24th Indian Institute of Geomorphologists (IGI) National Conference at Department of Geology, Anna University, 19-22 October, 2011
65. Patel, P.P. and Sarkar, A. "*Morphometric Comparisons of Left and Right Flank Sub-Basins of the Dulung River Valley, West Bengal*" at National Seminar on "Emerging Issues in Geography", held at Dept. of Geography, Visva-Bharati, Shantiniketan from 20-21 March, 2010, organised by the Dept. of Geography, Visva-Bharati, and Indian Geographical Foundation, Kolkata
66. Patel, P.P. "*Mapping Changes in the Urban Heat Island Scenario of Kolkata through Extraction of Land Surface Temperatures from Landsat Thermal Images*" at XXIX INCA International Congress on "Technological Solutions in Urban & Regional Mapping", EZCC, Kolkata, 25-27 November, 2009, organised by Indian National Cartographic Association (INCA) and NATMO
67. Patel, P.P. "*Utility of Digital Elevation Models in Terrain Evaluation and Drainage Basin Analysis - A Case Study of the Chel River Basin, West Bengal*" at the 31st Indian Geography Congress of National Association of Geographers India (NAGI), held at Rani Durgawati University, Jabalpur from 19-21 November, 2009 (**received Prof. N.P. Aiyar Young Geographer Award**)
68. Patel, P.P. and Sarkar, A. "*Morphometric Attributes and their Relation to Channel Characteristics in The Chel River Basin, West Bengal*" at XXII National Conference of Indian Institute of Geomorphologists (IGI) on "Man - Environment Relations", held at Dept. of Geography, University of Allahabad from 29-31 October, 2009
69. Patel, P.P. and Sarkar, A. "*Analyzing Impact of Land Cover Changes in Kolkata on Corresponding Land Surface Temperature from Landsat Thermal Imagery*" at Indian Society of Remote Sensing National Symposium, held at VANAMATI, Nagpur from 17-19 September, 2009 (poster presentation)
70. Patel, P.P. "*Estimation of Land Surface Temperature from Landsat Thermal Images towards Urban Heat Island Mapping of Kolkata*" at Junior Scientist Meet, 2009, held at The Netaji Institute of Asian Studies, Kolkata on 18th March, 2009 (**received First Prize for Junior Scientist Award**)
71. Patel, P.P. and Sarkar, A. "*Merging Spatial Data Layers for Enhanced Mapping and Visualisation*" at National Seminar on "Contemporary issues on Environment & Development, India", held at Dept. of Geography, Ballygunge Science College, Kolkata on 4th March 2009, organised by Institute of Landscape, Ecology & Ekistics (ILEE)
72. Patel, P.P. and Sarkar, A. "*Application of SRTM Data in Evaluation of Drainage Basin Morphometry: A Case Study of the Dulung River Basin*" at National Seminar on "Contemporary Issues In Geography", at Anthropological Society of India, Kolkata from 27-28 February, 2009, organised by Indian Geographical Foundation, Kolkata.
73. Patel, P.P. and Dasgupta, R. "*Beach Characteristics of the Kakinada Bay Area*" at 30th Indian Geography Congress of National Association of Geographers India (NAGI), held at University of Allahabad from 19-21 December, 2008
74. Patel, P.P. and Sarkar, A. "*Terrain Characterisation and Enhancement of Topographical Map Derived Stream Network Using S.R.T.M. Data*" at Indian Society of Remote Sensing National Symposium, NIRMA University, Ahmedabad from 18-20 December, 2008 (poster presentation)

75. Patel, P.P. and Dasgupta, R. “*Flood Induced Land Use Change in The Dulung River Valley*” at UGC-CSIR International Conference on “Land Use Change, Biodiversity and Climate Change” in International Geographical Union Commission on Land Use and Land Cover Change, Nesamony Memorial Christian College, Marthandam, Kanyakumari, 6-7 October, 2008
76. Patel, P.P. and Dasgupta, R. “*Flood Hazard in the Leh Region*” at National Seminar on “Geomorphology in Disaster Mitigation and Management”, held at Dept. of Geography, Benaras Hindu University from 15-17 February, 2008
77. Patel, P.P. “*The Shifting ‘Charlands’ of the Godavari at Rajahmundry*” at U.G.C. sponsored National Seminar on “Applications of Remote Sensing and GIS in Resource Management”, held at Dept. of Geography and Applied Geography, University of North Bengal from 28-30 January, 2008
78. Patel, P.P. and Sarkar A. “*Implementation of Geospatial Databases for Drainage Basin Management*” (with Prof. A. Sarkar, Professor & Head, Dept. of Geography, Presidency College, Kolkata) at National Seminar on “Research Methods & Techniques for Sustainable Development in India”, held at Dept. of Geography, Ballygunge Science College, Kolkata from 25-26 March, 2006, organised by Institute of Landscape, Ecology & Ekistics (ILEE) & IBRAD (**received Best Paper Award**)
67. Patel, P.P. “*The Dulung Basin - Spatial Analysis of Morphological & Morphometric Attributes*” at P.G. Students’ Seminar - 2005, held at Bankim Sabhagriha, Presidency College, Kolkata on 16th November, 2005, organised by Geographical Institute, Presidency College, Kolkata
68. Patel P.P. and Sarkar, A. “*Terrain Analysis of the Dulung Basin*” at National Seminar on “Catchment Management & Sustainable Development (CMSD)”, at Dept. of Geography, Ballygunge Science College, Kolkata from 27-28 March, 2005, organised by Institute of Landscape, Ecology & Ekistics (ILEE) & IBRAD
69. Patel, P.P. “*The Importance of Languages*”, Class Seminar, Dept. of Geography, Presidency College, Kolkata on 18th April, 2004

I hereby attest that the above information is correct, to the best of my knowledge.



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