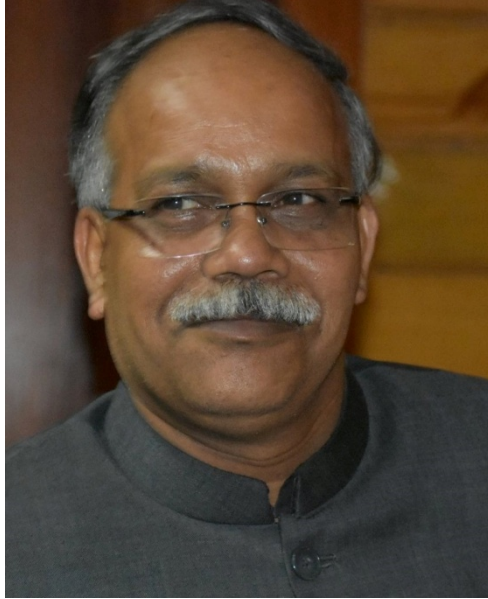


CURRICULUM VITAE



Name: *Narayan Chandra Jana*

M. A., Ph. D. (Geography), M. Sc. (Disaster Mitigation), PG Diploma (Sustainable Rural Development), Diploma (Tourism Studies)

Post-Doctoral Research & Teaching: CSRD/SSS/JNU, New Delhi

Present Position: *Professor of Geography* (since 1st October 2015), The University of Burdwan, Burdwan-713104, West Bengal, India

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Date of Birth: 2nd September 1965

Category: Other Backward Class (OBC-B)

Areas of Research Interest

Applied Geomorphology, Disaster Management, Land Use Studies, Rural Development, Environmental Geography.

Educational Qualifications

1. Secondary (1st Div.-60%), W.B. Board of Secondary Education, 1981
2. H.S. (2nd Div.-54.3%), W.B. Council of H.S. Education, 1983
3. B.A. (Hons.) in Geography (2nd class-57.62%), The University of Burdwan, 1986

4. M.A. in Geography (1st class-66.6%), The University of Burdwan, 1988
5. Ph.D. (Geography), Topic: *Geomorphology and Land Use in South-Western Midnapur, West Bengal*, The University of Burdwan, 1999 (with State-funded Fellowship)
6. Diploma in Tourism Studies (2nd Div.- 59.6%), IGNOU, 2005
7. M.Sc. in Disaster Mitigation (1st Class- 61.5%), Sikkim Manipal University, 2006
8. PG Diploma in Sustainable Rural Development (1st Class- 62.375%), National Institute of Rural Development & Panchayati Raj, Govt. of India, Hyderabad, 2015

Technical Training

1. Computer Course on P.C. Operation (3 months), Webel Informatics Ltd., Burdwan, 1995
2. Swift Foundation in Computer (3 months), NIIT, Burdwan, 1997
3. Condensed Course (5 days) in GIS, Calcutta University, 1994
4. Short Course (1 week) on Aerial Photography, Remote Sensing and GIS, NATMO, 1995
5. Four Weeks Course on Digital Remote Sensing and GIS, NATMO, Calcutta, 2000
6. Four Weeks Training on Introduction to GIS and Applications, NRSA, Hyderabad, 2003
7. Five Days Training on ArcGIS-9, ESRI-India, New Delhi, 2004
8. Six Weeks Web-Based Course on *NIDM-WBI Comprehensive Disaster Risk Management Framework*, National Institute of Disaster Management, Ministry of Home Affairs, GOI New Delhi, 2008.
9. Four Weeks Web-Based Course on *NIDM-WBI Risk Sensitive Land Use Planning*, National Institute of Disaster Management, Ministry of Home Affairs, GOI, New Delhi, 2010.
10. Four Weeks Web-Based Course on *NIDM-WBI Climate Change and Disaster Management*, National Institute of Disaster Management, Ministry of Home Affairs, GOI, New Delhi, 2011.

11. One Day Training Programme on Data Analysis through SPSS & AMOS for Social Sciences and Management Research offered by the Department of Humanities and Social Sciences, IIT, Kharagpur, 22nd January 2012.

Teaching and Research Experience

1. Professor (since 1st October 2015), Department of Geography, *The University of Burdwan*, Burdwan, West Bengal.
2. Associate Professor (20th June 2010 - 30th September 2015), Department of Geography, *The University of Burdwan*, Burdwan, West Bengal.
3. Reader (20th June 2007- 19th June 2010), Department of Geography, *The University of Burdwan*, Burdwan, West Bengal.
4. Post-Doctoral Research and Teaching (12th August 2002 - 18th June 2007), Centre for the Study of Regional Development, School of Social Sciences, *Jawaharlal Nehru University*, New Delhi.
5. Guest Lecturer, Department of Geography & Environment Management, *Vidyasagar University*, Midnapore, West Bengal (August 1999 - July 2002).
6. Guest Lecturer, Population Education Resource Centre (PERC), *The University of Burdwan*, Burdwan, West Bengal (August 1999 - May 2002).
7. Academic Counsellor, *Indira Gandhi National Open University* (IGNOU), B. B. College Study Centre, Asansol, West Bengal (July 1999 – June 2002).

Administrative Experience

1. **Head**, Department of Geography, The University of Burdwan (August 2011- July 2013).
2. **Chairman**, UGBoS and PGBoS in Geography, The University of Burdwan (August 2011-July 2013).
3. **Member** of the Court, The University of Burdwan (2012-13).
4. **Subject Coordinator** of NET in Geography, The University of Burdwan (2011-13).
5. **Deputy Coordinator**, UGC-SAP-DRS Programme in Geography, The University of Burdwan (2012-2017).

6. **Coordinator**, DST-FIST Programme in Geography, The University of Burdwan (December 2012 - November 2013).
7. **Coordinator**, M. Sc. in Geospatial Science, The University of Burdwan (2019-2021)
8. **Member**, Statute Committee, The University of Burdwan
9. **Nodal Officer**, The University of Burdwan for India Universities and Institutes Network for Disaster Risk Reduction (IUINDRR-NIDM), National Institute of Disaster Management, Ministry of Home Affairs, Government of India

Publication

Books

1. ***The Land: Multifaceted Appraisal and Management***, Sribhumi Publishing Co., Calcutta, 1997,2016 (Reprint), 10 chapters, 412 pages, ISBN 81-7384-097-0 (Author with Prof. N. K. De)
2. ***Transformation of Land: Physical Properties and Development Initiatives***, Bharata Vidya Charcha Kendra (an inter-disciplinary research organisation), Burdwan, 2002, 9 chapters, 150 pages, ISBN 81-7525-276-6 (Sole Author).
3. ***Tsunami in India: Impact Assessment and Mitigation Strategies***, Prayas, Kolkata, 2008, 7 chapters, 88pages, ISBN 978-81-8465-704-3 (Sole Author).
4. ***Disaster Management and Sustainable Development: Emerging Issues and Concerns***, Pentagon Press, New Delhi, 2009 (Editor jointly with Prof. Rajesh Anand and Dr. Sudhir Singh, New Delhi), 12 chapters, 250 pages, ISBN 978-81-8274-387-8.
5. ***Human Resources*** (Part-I & II) in the series (NAGI Series-2) *State of India's Natural and Human Resources* (Series Editor: Prof. R. P. Misra), **Concept Publishing Co.**, New Delhi, 2010 (Editor jointly with Prof. Sudesh Nangia and Prof. R. B. Bhagat), 47 chapters, 862 pages, ISBN 81-8069-689-8.
6. ***West Bengal: Geo-Spatial Issues*** (Chief Editor), Department of Geography, **The University of Burdwan**, West Bengal, 2012, 9 chapters, 120 pages, ISBN 978-93-80813-20-2.

7. *Resources and Development: Issues and Concerns*, Progressive Publishers, Kolkata, 2013. 46 chapters, 633 pages, ISBN 978-81-8064-252-4 (Editor jointly with Prof. L. Sivaramakrishnan).
8. *Population Dynamics in Contemporary South Asia: Health, Education and Migration* (Professor Sudesh Nangia Felicitation Volume), Springer Nature, Singapore, 2020, 17 chapters, 437 pages (Editor jointly with Prof. Anuradha Banerjee and Dr. Vinod Kumar Mishra, New Delhi) [ISBN 978-981-15-1667-2 (print), ISBN: 978-981-15-1668-9 (eBook)]
9. *Resonance of Environment, Society and Space: Global Perception through Regional Perspective*, La Strada, Kolkata, 2021, ISBN 978-93-88445-78-8 (Editor jointly with others).
10. *Climate, Environment and Disaster in Developing Countries*, Springer Nature, Singapore, 2022, 27 chapters, 552 pages, ISBN 978-981-16-6966-8 (Editor jointly with Prof. R. B. Singh).
11. *Livelihood Enhancement through Agriculture, Tourism and Health*, Springer Nature, Singapore, 2022, 26 chapters, 549 pages, ISBN 978-981-16-7309-2 (Editor jointly with Dr. Anju Singh and Prof. R. B. Singh).
12. *Sustainable Livelihoods of Tribal Communities in Odisha, India: The Case of Mayurbhanj*, Cambridge Scholars Publishing, United Kingdom, 2023, ISBN 978-1-5275-9014-4 (Author jointly with Prof. Anuradha Banerjee and Dr. Prasanta Kumar Ghosh).

Reports

1. *Status Report (Eastern India): 1992-1996*, International Geographical Union: Commission on Geography of Commercial Activities.
2. *Population Geography*, in Nayak, D. K. (ed.) **Progress in Indian Geography (2004-08)**, Indian National Science Academy, New Delhi, 2008 (Co-author: Prof. Sudesh Nangia).
3. *Population Geography*, in Singh, R.B. (ed.) **Progress in Indian Geography - A Country Report: 2008-2012**, 32nd International Geographical Congress, Cologne,

- Germany (August 26-30, 2012), Indian National Science Academy, New Delhi: 55-68 (Co-author: Prof. Sudesh Nangia).
4. *Status of Geography in Indian Universities*, Singh, R. B. (ed.) **Progress in Indian Geography - A Country Report: 2012-2016**, 33rd International Geographical Congress, Beijing, China (August 21-25, 2016), Indian National Science Academy, New Delhi (Co-author: Prof. Sudesh Nangia).
 5. *Natural Hazards and Disaster Management*, in Rai S. C. (ed.) **Progress in Indian Geography - A Country Report, 2016-2022**, 34th International Geographical Centennial Congress, Paris, France (August 18-22, 2022), Indian National Science Academy, New Delhi (Sole Author).

Book Reviews

1. ***Rivers of India*** by Radhakant Bharati, 2004, Pages: xi + 195, Paper Back, ISBN 81-237-4138-3, Price: Rs. 60.00, National Book Trust, New Delhi; published in the *Annals of the NAGI*, Vol. XXV, No.1, June 2005.
2. ***River Floods: A Socio-Technical Approach*** edited by Kazi M. B. Rahim, Malay Mukhopadhyay and Debashis Sarkar, 2005, Pages: 270, Hard Back, ISBN 81-87500-23-9 Price: 250.00, ACB Publications, Kolkata; published in the *Annals of the NAGI*, Vol. XXV, No.2, December 2005.
3. ***Earthquakes: Forecasting and Mitigation*** by H. N. Srivastava, Second Revised Edition, 2004, Pages: x + 344, Paper Back, ISBN 81-237-4262-2, Price: Rs. 110.00, National Book Trust, New Delhi; published in the *Indian Journal of Landscape Systems and Ecological Studies*, Vol. 29, No.1, June 2006.
4. ***River Dynamics of West Bengal: Blessings and Miseries*** (Vol. I: Physical Aspects) written by S. C. Mukhopadhyay and Anjan Das Gupta; Prayas, Kolkata, 2010, 6 chapters, 255 pages, Price: INR 200/-, published in the *Indian Journal of Landscape Systems and Ecological Studies*, Vol. 33, No.2, December 2010.

Review of Articles

1. Review of Articles for *ICSSR Journal of Abstracts and Reviews in Geography*
2. Review of Articles for *ICSSR Journal of Abstracts and Reviews in Economics*

Chapter Contributed to Books

I. As Research Papers in Edited Volumes

INTERNATIONAL

1. Natural Hazards and Disaster Management: Exploring New Areas of Research and Challenge in Geography, Ravi S. Singh (ed.) *Indian Geography in the 21st Century: The Young Geographers' Agenda*, **Cambridge Scholars Publishing** (Newcastle upon Tyne, UK), 2009, pp.188-202, ISBN: 978-1-4438-1365-5.
2. Analyzing Patterns and Variations in Health Status with special reference to Tribes: A Case of Orissa, India, **Proceedings of 5th International Conference on Health GIS 2013: Mapping, Monitoring and Managing Health**, 21-23 August 2013, Bangkok, **Thailand**, 2013, pp.156-161, ISBN: 978-616-90698-3-6 (Co-author: Prasanta Kumar Ghosh).
3. Trends of Teaching and Research in Geography: Indian Scenario, **Proceedings of the International Bilateral Seminar** between Hiroshima University and University of Delhi on *Promoting Economic Geography Studies on 'Inclusive Growth' in Contemporary India*, 23rd – 24th December 2016, organized by Department of Geography, Graduate School of Letters, Hiroshima University, **Japan**.
4. Historical Evidences in the Identification of Palaeochannels of Damodar River in Western Ganga-Brahmaputra Delta in B. C. Das et al (eds) *Quaternary Geomorphology in India: Case Studies from the Lower Ganga Basin*, **Springer**, Switzerland, 2018, pp.127-138, ISBN 978-3-319-90426-9 (Co-author: Prasanta Kumar Ghosh).
5. Wetlands of the Damodar Alluvial Tract in Burdwan District, West Bengal, India: Exploring the Potentiality for Rural Transformation in Jayant K. Routray and Wang Li (eds) *Proceedings of the International Forum on Education and Rural Transformation*, **Asian Institute of Technology, Thailand**, 2019, pp. 253-269, ISBN: 978-616-8230-01-5 (Co-author: Alamgir Badsha).
6. Probability of Flooding and Vulnerability Assessment of the Damodar Valley in Eastern India: Alternative Strategies for Flood Risk Reduction in Jayant K. Routray and Wang Li (eds) *Proceedings of the International Forum on*

- Education and Rural Transformation*, **Asian Institute of Technology, Thailand**, 2019 pp. 302-310, ISBN: 978-616-8230-01-5 (Co-authors: Prasanta Kumar Ghosh, Sujay Bandyopadhyay and Ritendu Mukhopadhyay).
7. Trend and Pattern of Infant Mortality in West Bengal, India: A Critical Appraisal in Anuradha Banerjee, Narayan Chandra Jana and Vinod Kumar Mishra (eds) *Population Dynamics in Contemporary South Asia: Health, Education and Migration*, **Springer Nature**, Singapore, 2020, pp. 111-131, ISBN: 978-981-15-1667-2 (print), ISBN: 978-981-15-1668-9 (eBook) (Co-author: SyfujjamanTaraferder)
 8. Management of Wastelands in Chotanagpur Plateau Fringe: Lessons from Village-Level Experience in Birbhum District of West Bengal, India, in Rukhsana, Haldar A., Alam A., Satpati L. (eds) *Habitat, Ecology and Ekistics, Advances in Asian Human-Environmental Research*, **Springer Cham.**, 2021, pp. 293-307, First Online 22October 2020, ISBN: 978-3-030-49115-4 (Online), 978-3-030-49114-7 (Co-author: Manas Pal).
 9. Physical Environmental Impact Assessment of Flood: A Case of Lower Darakeswar-Mundeswari Interfluve in West Bengal, in B. W. Pandey and S. Anand (eds.), *Water Science and Sustainability*, Sustainable Development Goals Series, **Springer Nature Switzerland AG** 2021, pp. 53-77, ISBN 978-3-030-57488-8 (ebook), ISBN 978-3-030-57487-1 (print) (Co-author: Soumen Mandal).
 10. Changing Rainfall Patterns and their Linkage to Floods in Bhagirathi-Hooghly Basin, India: Implications for Water Resource Management, in B. W. Pandey and S. Anand (eds.), *Water Science and Sustainability*, Sustainable Development Goals Series, **Springer Nature Switzerland AG** 2021, pp. 169-181, ISBN 978-3-030-57488-8 (ebook), ISBN 978-3-030-57487-1 (print) (Co-authors: Sujay Bandyopadhyay, Prasanta Kumar Ghosh and Ritendu Mukhopadhyay).
 11. Effects of Sonajhuri (*Acaciaauriculiformis*) plantation on soil health in Purulia District, West Bengal, India, in Pravat Kumar Shit et al (eds.), *Forest*

Resources Resilience and Conflicts, Elsevier, pp. 343-358, ISBN 978-0-12-822931-6 (Co-author: Manoj Kumar Mahato).

12. Micro-Spatial Analysis of Rural Accessibility for Imbricating Regional Development: Exemplifying an Indian District, in Mukunda Mishra, R. B. Singh, Andrews José de Lucena, Soumendu Chatterjee (eds.) *Regional Development Planning and Practice: Contemporary Issues in South Asia*, Springer Nature Singapore, 2021, ISBN: 9789811656804.
13. Land Use-Land Cover Dynamics in Baku Micro-watershed Area of Ausgram Block-II, Purba Bardhaman District, West Bengal, India, in N. C. Jana et al (eds.) *Livelihood Enhancement through Agriculture, Tourism and Health*, Springer Nature, Singapore, 2022, pp.167-184, ISBN 978-981-16-7309-2 (print), ISBN 978-981-16-7310-8 (eBook) (Co-author: Raj Kumar Samanta).
14. Tuberculosis Patients in Malda District of West Bengal, Eastern India: Exploring the Ground Reality, in N. C. Jana et al (eds.) *Livelihood Enhancement through Agriculture, Tourism and Health*, Springer Nature, Singapore, 2022, pp.425-437, ISBN 978-981-16-7309-2 (print), ISBN 978-981-16-7310-8 (eBook) (Co-authors: Tapan Pramanick and Deb Kumar Maity).
15. Development of Tribal Livelihood in Manbazar-II Block of Purulia District, West Bengal, India, in N. C. Jana et al (eds.) *Livelihood Enhancement through Agriculture, Tourism and Health*, Springer Nature, Singapore, 2022, pp.471-493, ISBN 978-981-16-7309-2 (print), ISBN 978-981-16-7310-8 (eBook) (Co-author: Sumanta Kumar Baskey).
16. Pal R., Jana N.C. (2022) Detection of Land Use/Land Cover Changes of Irga Watershed in the North–Eastern Fringe of Chota Nagpur Plateau, Jharkhand, India. In: Jana N.C., Singh R.B. (eds) *Climate, Environment and Disaster in Developing Countries*. Advances in Geographical and Environmental Sciences. Springer Nature, Singapore. https://doi.org/10.1007/978-981-16-6966-8_15.
17. Mahato M.K., Jana N.C. (2022) Mapping and Reclamation of Wastelands in Drought-Prone Purulia District of West Bengal, India Using Remote Sensing and GIS. In: Jana N.C., Singh R.B. (eds) *Climate, Environment and Disaster in Developing Countries*. Advances in Geographical and Environmental Sciences. Springer Nature, Singapore. https://doi.org/10.1007/978-981-16-6966-8_10.

18. Chatterjee S., Jana N.C. (2022) Hydro-Meteorological Analysis of 2015 Rarh Bengal Flood in the Lower Gangetic Plain of India: Exceptional, Fast and Furious. In: Jana N.C., Singh R.B. (eds) *Climate, Environment and Disaster in Developing Countries*. Advances in Geographical and Environmental Sciences. **Springer Nature**, Singapore. https://doi.org/10.1007/978-981-16-6966-8_22.
19. Hembram, B., Jana, N.C. (2022). Analyzing Urban Extension and Land Use Changes in Kalimpong Municipality, West Bengal Using Remote Sensing and GIS. In: Mishra, R.K., Kumari, C.L., Chachra, S., Krishna, P.S.J., Dubey, A., Singh, R.B. (eds) *Smart Cities for Sustainable Development*. Advances in Geographical and Environmental Sciences. **Springer Nature**, Singapore. https://doi.org/10.1007/978-981-16-7410-5_21, pp 335–348.

NATIONAL

1. Impact of Climate Change on Sustainability in Selected Coastal Blocks of Sundarban Region, West Bengal, in Surender Mor et al (eds.) *Sustainability Driven Initiatives in Indian Higher Education Institutions*, **Society for Pathways to Sustainability**, Gurgaon, Haryana, 2023 (Co-author: Sourav Halder).
2. Study on Population Density and Sex Ratio: A case of Siliguri Municipal Corporation, West Bengal, in N. Chakma et al (eds.) *Resonance of Environment, Society and Space: Global Perception through Regional Perspective*, **La Strada**, Kolkata, 2021, pp. 203-217, ISBN: 978-93-88445-78-8 (Co-author: Buddhadev Hembram).
3. Economic Status, Perception Level and Quality of Life: A Case Study of Machkhanda Village in Burdwan District, West Bengal, *Population, Environment and Emerging Challenge* (Editors: Bimal Kumar Kar and Prasanta Bhattacharya), published in 2018 by Organizing Committee of the 36th IIG Congress, Department of Geography, **Gauhati University**, India, pp.223-233 (Co-author: Sumanta Baskey)
4. Evaluating Environmental Impacts of Embankment Breaching in Ajay River: A Micro Level Case Study of Bardhaman District, West Bengal; *R. P. Misra Felicitation Volume* (Vol. 5), 2017, **Concept Publishing Company**, New

Delhi (Co-author: Sujay Bandyopadhyay).

5. Major Hazards and Disasters in India: Focusing Management Strategies and Role of Institutions, in P. Chattopadhyay and S. K. Dutta (eds.), **Human Resource Development Centre**, The University of Burdwan, 2016
6. Climate Change Impacts on Flood Risks and Vulnerability: The Case of India, in Anwesha Haldar and L. N. Satpati (eds.) *Climate and Society: A Contemporary Perspective*, **University of Calcutta**, 2016, ISBN: 978-81-923448-0-5 (Co-authors: P. K. Ghosh and Sujay Bandyopadhyay).
7. An Appraisal of Man-Environment-Development Relationship, *Environmental Concerns: Third World Perspectives*, Ravi S Singh, **YS Books International**, New Delhi, 2014, pp. 51-76, ISBN: 81-9274-565-1.
8. Evaluation of Risk Factors at Howrah Slum for Poor Health Status: A Phase of Urbanization with Impoverishment, *Resources and Development: Issues and Concerns*, N. C. Jana et al (ed), **Progressive Publishers**, Kolkata, 2013, pp. 354-364, ISBN 978-81-8064-252-4 (Co-author: Sumitra Chandra).
9. Tourism in Barddhaman Town, West Bengal: Constraints and Prospects, *Tourism in India: Challenges and Opportunities* edited by Ruchi Ramesh and Sudhir Kumar Singh, **Pentagon Press**, New Delhi, 2012, pp.113-126, ISBN:978-81-8274-602-2.
10. Assessment of Tourism Potential in Rural Murshidabad, West Bengal: An Empirical Study, *Tourism in India: Challenges and Opportunities* edited by Ruchi Ramesh and Sudhir Kumar Singh, **Pentagon Press**, New Delhi, 2012, pp. 191-201, ISBN:978-81-8274-602-2(Co-author: Syfujjaman Tarafder).
11. Tourism in West Bengal: Potentialities, Problems and Prospects in the volume *West Bengal: Geo-Spatial Issues* edited by N. C. Jana et al, published by the Department of Geography, **The University of Burdwan**, 2012, pp. 69-79, ISBN: 978-93-80813-20-2(Co-author: Syfujjaman Tarafder).
12. Human Dimensions of Tropical Cyclones: Indian Scenario in Rajesh Anand et al (eds.) *Disaster Management and Sustainable Development: Emerging Issues and Concerns*, **Pentagon Press**, New Delhi, 2009, pp.46-77, ISBN:978-81-8274-387-8.

13. The Role of Geomorphic Impact Assessment in Land Utilization Studies in K. V. Sundaram and Mrityunjay Jha (eds.) *Sustainable Development and Earthcare: Searching for Policy Initiatives*, **Concept Publishing Company**, New Delhi, 2009, pp. 158-215, ISBN: 81-8069-652-9.
14. Major Floods of the World in 1990s: Lessons for Flood Management in India in Kazi M. B. Rahim et al (eds.) *River Flood: A Socio-Technical Approach*, **ACB Publications**, Kolkata, 2005, pp. 33-50 (Co-author: Prof. K. S. Sivasami).
15. Environmental Aspects of Water Quality in India: Issues in Sustainability in G. N. Saha et al (eds.) *Water Security and Management of Water Resources*, **NATMO**, Kolkata, 2004, pp. 162-196, Registration No. NA-WSMWR-350-2004 (Co-author: Dr. Anuradha Banerjee).
16. Is Globalisation: A Threat to Indian Culture? in Bhaskar Chatterjee (ed.) **Bharata Vidya**, Vol. III, Burdwan, 2004, pp. 88-94 (Co-author: Prof. Sudesh Nangia).
17. Banya O Amader Upalabdhi (Flood and Our Introspection) in Malay Mukhopadhyay (ed.) *Banya O Amora*, **Akhil Bharat Bhuviddya O Paribesh Samiti**, Visva Bharati, Santiniketan, 2000, pp. 44-51.
18. Rural Depopulation: A Constraint to Sustainable Development in Bhaskar Chatterjee (ed.) **Bharata Vidya**, Vol. II, 2003, pp. 15-25, Burdwan.
19. Strategies for Agricultural Development in Barddhaman: An Ecological Approach in A. K. Singh et al (eds.) *Strategy in Development Planning*, **Deep & Deep Publication**, New Delhi, 1997, pp. 140-159 (Co-author: Prof. N. K. De).
20. Threatened Wildlife and Consequent Ecological Problems in West Bengal in P. Nag et al (eds.) *Geography and Environment* (Vol. II), **Concept Pub. Co.**, New Delhi, 1997, (Co-author: Prof. N. K. De).
21. Threat to Biotic Component in the Darjeeling Himalaya in B. N. Kaul (ed.) *Eco-degradation of Himalayas: Causes and Remedies*, **Vinod Publishers & Distributors**, Jammu, 1995, pp. 289-307 (Co-author: Prof. N. K. De).
22. Environmental Degradation in South-Western Midnapore, West Bengal in S. K.

Chadha (ed.) *Echoes of Environment*, **Himalaya Pub. House**, New Delhi, 1995, pp. 136-157 (Co-author: Prof. N. K. De).

23. Management of the Ecosystem of a Village in Pramod Singh (ed.) *Holistic Approach to Sustainable Development*, **M. D. Publications**, New Delhi, 1995, pp. 45-60 (Co-author: Prof. N. K. De).
24. Resources Distribution and their Utilisation in Developing Countries- A Case Study, in Mjid Husain (ed.) *Sustainable Development and Environmental Impact Assessment (Vol. II)*, **Rima Pub. House**, New Delhi, 1992, pp. 191-207 (Co-authors: Prof. N. K. De and Dr. P. Ghosh).
25. An Approach to Study the Indian Environment, in Pramod Singh (ed.) *Indian Environment*, **Ashish Pub. House**, New Delhi, 1992, pp. 11-27, ISBN: 81-7024-447-1 (Co-authors: Prof. N. K. De and Dr. P. Ghosh).
26. War for Oil: A Geo-Politico-Economic Perspective, in K. S. Ramachandran (ed.) *Gulf War and Environmental Problems*, **Ashish Pub. House**, New Delhi, 1991, pp. 263-273, ISBN:81-7024-399-8 (Co-author: Dr. P. Ghosh).

II. As Course Materials for Masters in Geography (Directorate of Distance Education, Vidyasagar University, W. B.)

Module Title: Land Use Planning and Management

Unit-III: Ownership, occupancy and Government Control on Land Use; Policy regarding wetland, urban land, river valley planning, industrial and mining; Concept of wasteland and role of National Wastelands Development Board.

Unit-IV: Objectives and principles, techniques and methods of land use survey; Land use planning methods and techniques: rural and urban.

Unit-V: Land capability classification; Environmental impacts of land use changes; Land use planning in India.

Research Articles in Journals

International

1. Tourism in Coastal West Bengal of India: Issues, Opportunities and Challenges, *International Journal of Current Research*, Vol. 6, Issue 07, July 2014, pp.7358-7364, ISSN: 0975-833X (Co-author: Syfujjaman Tarafder).

2. Entropy application to evaluate the stability of landscape in Kunur River Basin, West Bengal, India, *Current Science*, Vol. 107, No. 11, 10 December 2014, pp. 1842-1853, Bangalore, ISSN: 0011-3891 (Co-authors: Sujay Bandyopadhyay, Subhajit Sinha and Debasis Ghosh).
3. Comparing Variations in Health Status Between Tribes And Non-Tribes in Odisha With Reference to Mayurbhanj, *Journal of Geography and Earth Sciences*, Vol. 2, No. 2 American Research Institute for Policy Development, December 2014, pp. 49-69, ISSN 2334-2455 (Co-authors: Anuradha Banerjee and Prasanta Kumar Ghosh).
4. Spatial and Social Disparities in Educational Status: A Case of Mayurbhanj District in Odisha, India, *International Journal of Current Research*, Vol. 7 Issue 02, pp.13010-13019, February 2015, ISSN: 0975-833X (Co-author: Prasanta Kumar Ghosh).
5. Impact of Geomorphic Attributes on Rural Settlement Distribution: A Case Study of Baghmundi Block in Purulia District, West Bengal, *International Journal of Innovative Research & Development*, Vol. 4 Issue 8, pp. 121-132, July 2015, ISSN 2278 – 0211, (Co-author: Sathi Sampad Roy).
6. Hazards of Soil Erosion in India: A Growing Concern, *International Journal of Current Research*, Vol. 7, Issue 7, pp. 18698-18706, ISSN: 0975-833X, July 2015.
7. Determinants of Wasteland Formation: A Case Study of Khoyrasole Block in Birbhum District, West Bengal, *International Journal of Current Research*, Vol. 7, Issue 10, pp. 22058-22065, ISSN: 0975-833X, October 2015.
8. Socio-Economic Conditions and Quality of Life in the Tribal Areas of Orissa with Special Reference to Mayurbhanj District, *Space and Culture, India*, Volume 3, Number 2, 2015, pp.25-41, ISSN 2052-8396 (Online), **ACCB Publishing**, England (Co-author: Prasanta Kumar Ghosh).
9. Changing Pattern and Spatio-Sectoral Distribution of Workforce: A Case of Purulia District in West Bengal, India, *European Scientific Journal*, November 2015 edition, Vol.11, No.32, pp.376-388, ISSN: 1857 – 7881

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1. Paryabaran Abanayan: Bikash Se Binash Ki Aur (Environmental Deterioration: From Development to Destruction), *Bhoogol Aur Aap*, Vol. 3, No. 1, 2004, pp. 10-12, New Delhi (Co-author: Md. SanjeerAlam)
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Chairing Technical Sessions of the Seminars/Conferences

1. Chairing Technical Session XIII: Physical Geography in *31st Indian Geography Congress on Environment, Culture and Development*, November 19-21, 2009, **Rani Durgawati University**, Jabalpur.
2. Chairing Technical Sessions: (i) Disaster Management and Sustainable Development, and (ii) Environmental Issues and Sustainable Development in the UGC Sponsored *National Seminar on Globalizing Urban Governance and Sustainable Development*, organized by the Department of Geography, **Dr. Gour Mohan Roy College**, Monteswar, Burdwan, West Bengal, 8th & 9th October 2010.

3. Chairing Technical Session-V, *UGC Sponsored National Seminar on Challenges and Mitigation of Drought in India*, organized by the Department of Geography, **Kashipur Michael Madhusudan Mahavidyalaya**, Purulia, 9th - 10th September 2011.
4. Chairing Technical Session-III entitled Trends in Human Geography in *UGC Sponsored National Seminar on Emerging Trends in Geography*, organized by the Department of Geography, **Bankura Christian College**, Bankura, 16th -17th December 2011.
5. Chairing Technical Session in *UGC Sponsored National Seminar on Tourism, Eco-Tourism and Eco-Terrorism: What is the Ultimate Goal? A Discussion in the Context of India*, organized by **Vivekananda Mahavidyalaya**, Haripal, Hugli, 10th January 2012.
6. Chairing Technical Session No. 08 on Globalization and its impact in India in the International Seminar on *Population, Development and Disaster Management* organized by the Department of Geography and Disaster Management, **Tripura University**, 8-11 February 2012.
7. Chairing Technical Session No. 2 in *UGC Sponsored National Seminar on Resources: Problems, Planning and Development in Backward Regions*, organized by the Departments of Economics & Geography, **Achhruram Memorial College**, Jhalda, Purulia, February 22-23, 2012.
8. Chairing Technical Session No. 4 & 5 in *UGC Sponsored National Seminar on Resource Utilization in India: Environmental Impacts and Sustainable Development*, organized by the Departments of Geography, **Tarakeswar Degree College**, Hooghly, March 19-20, 2012.
9. Chairing Technical Session titled *Resilience, Vulnerability and Risk* in the International Conference on *Hazards & Disasters 2012* organized by International Center for Research and Development (ICRD), Sri Lanka & Institute for Global Change Adaptation Science, Ibaraki University, held on 20-21 September 2012, Grand Oriental Hotel, Colombo **Sri Lanka**.

10. Chairing Technical Session titled *People, Resources and Development* in 34th Indian Geography Congress held on 2-4 November 2012 at the Department of Geography, **Patna University**, Bihar.
11. Chairing Technical Session: 03B *Infrastructure, Amenities and Development* in 34th Indian Geographers Meet and National Conference on Natural Resource Management and Decentralized Planning held on 13-15 December 2012 at the **Centre for Earth Science Studies**, Thiruvananthapuram.
12. Chairing Technical Session titled *Natural Hazards and Disaster Management* in 4th International Geography Congress organized by PG Department of Geography, **Utkal University**, Bhubaneswar, Odisha held on 16-18 January 2013.
13. Chairing Technical Session titled *Rural Unrest and Extremism* in Annual Conference of the *Association of Geographers in Bihar and Jharkhand (AGBJ)* & National Seminar on *Development and Locational Conflicts*, Department of Geography, **Nirmala College**, Ranchi, December 1-2, 2013.
14. Chairing Technical Session titled *Climatic Adaptation* in **35th Indian Geography Congress** on *Sustainability, Environment and Society*, Department of Geography, Madras University, December 12-14, 2013.
15. Chairing Technical Session titled *Climate and Regional Development* in **SERB & UGC Sponsored National Symposium** on *Climate, Society and Sustainability*, organized by the Department of Geography, **University of Calcutta**, April 25-26, 2014.
16. Technical Session titled *Population, Health and Education* in **National Seminar** on *Sustainability and Inclusiveness: India's Development Trajectory*, organized by Department of Applied Geography, **Ravenshaw University**, Cuttack, 8-9 November 2014.
17. Technical Session titled *Resource Management: Amenities, Transport, Tourism and Rural Livelihoods* in **36th Indian Geography Congress** on *Urban Systems, Rural Livelihoods Security and Resource Management*, organized by the Department of Geography, **University of Rajasthan**, Jaipur, November 17-19, 2014.

18. Technical Session titled *Physical Perspective* in **International Seminar on Environmental Perspectives and Resource Management**, organized by **Institute of Landscape, Ecology and ekistics**, Kolkata, 19-20 December 2014.
19. Technical Session titled *Rural and Urban Settlement Systems and Associated Phenomena* in **36th Indian Geographers' Meet & International Seminar on Environmental Changes and Challenges: Local, Regional and Global Perspectives**, organized by the Department of Geography, **Gauhati University**, Guwahati, Assam, 25-28 February 2015.
20. Chairing Technical Session-IV in **UGC Sponsored One-Day National Level Seminar on Natural and Disaster: Special Emphasis on Cyclone and Flood in West Bengal**, organized by the Department of Geography, **Vivekananda Mahavidyalaya**, Haripal, Hugli, 9th October 2015.
21. Chairing Technical Session-I entitled *Environment* in **37th Indian Geography Congress on Tourism, Resources, Environment and Development using GIS and Remote Sensing Techniques**, organized by the Department of Geography, **University of Jammu**, December 2-4, 2015.
22. Chairing Technical Session-I entitled *Cartography for Disaster Management-I* in **35th INCA International Congress on Spatial Governance for Development, Planning Smart Cities and Disaster Management**, organized by the Centre for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, December 15-17, 2015.
23. Chairing Technical Session entitled *Social Structure and Dynamics of Development*, **37th IIG Congress & International Conference on Land Resource Policies, Agriculture and Expanding Urban-Industrial Spaces**, organized by the Department of Geography, **Kurukshetra University**, 11-13 February 2016.
24. Chairing Technical Session entitled *Land Use/Cover and Climate Change*, **9th International Geographical Union Conference on Land Use Change, Climate Extremes and Disaster Risk Reduction**, Department of Geography, Shaheed Bhagat Singh College, University of Delhi, Delhi, 18-20 March 2016.

25. Chairing Technical Session entitled Geomorphosites, Climate Change and Vulnerability, **36th INCA International Congress on Cartography for Analysis and Management of Climate Change**, 9th-11th November 2016, Department of Geography, **Visva-Bharati**, Santiniketan.
26. Chairing Technical Session entitled Potential for Economic Geography-based Approaches towards Inclusive Growth in India, **International Bilateral Seminar** between Hiroshima University and University of Delhi on *Promoting Economic Geography Studies on 'Inclusive Growth' in Contemporary India*, 23rd – 25th December 2016, organized by Department of Geography, Graduate School of Letters, Hiroshima University, **Japan**.
27. Chairing Technical Session entitled Socio-Economic Issues and Development, **39th Indian Geography Congress on Future Cities, Sustainable Development and Geospatial Technologies**, 5-7 December 2017, organized by Department of Geography, **Osmania University**, Hyderabad.
28. Chairing Technical Session entitled Rural and Regional Development, **UGC-SAP-DRS III National Seminar on Environment and Resource & Urban and Regional Planning**, Department of Geography, Delhi School of Economics, **University of Delhi**, 23-24 December 2017
29. Chairing Technical Session entitled Urbanisation, Development and Emerging Challenges, **39th Annual Meet and Conference of Institute of Indian Geographers (IIG) on Population, Environment and Sustainable Development**, Department of Applied Geography, Ravenshaw University, Cuttack, December 26-28, 2017.
30. Chairing Technical Session entitled Earth, Society and Sustainability, **39th Annual Meet and Conference of Institute of Indian Geographers (IIG) on Population, Environment and Sustainable Development**, Department of Applied Geography, Ravenshaw University, Cuttack, December 26-28, 2017.
31. Chairing Technical Session entitled **Climate Change Conclave 2018** & National Seminar on Climate Actions for India's Commitment to Combat Climate Change, Conference Centre, University of Delhi, organized by **Shahid Bhagat Singh Evening College**, New Delhi, April 21-22, 2018.

32. Chairing Technical Session entitled Physical Geography and Earth System Science in *40th Indian Geography Congress*, organized by **Rajiv Gandhi University**, Arunachal Pradesh, October 29-31, 2018.
33. Chairing Technical Session entitled Frontiers of Physical Geography-I in *40th IIG Meet and National Seminar* on Water, Sustainability, Livelihood and Climate Change, organized by the Centre for the Study of Regional Development, **Jawaharlal Nehru University**, New Delhi, 14-16 March 2019.
34. Chairing Technical Session entitled Geomorphological Hazards and Risk Management, 31st IGI Conference & National Seminar on *Applications of Geospatial Technology in Geomorphology and Environment*, November 12-14, 2019, organized by the Department of Geography and Applied Geography, **University of North Bengal**.
35. Chairing Technical Session entitled Role of SDGs in Post COVID-19 Scenario & Sustainable Regional Development and Planning in *IGU-India International E- Conference* on *Implications of Covid-19 on Local & Regional Sustainable Development: A Glocal Perspective*, organized in collaboration with **IGU-Commission on Local and Regional Development; Commission on Geo-Heritage**, 27-28 June 2020.
36. Chairing Technical Session in the *International Webinar* on *Recent Advances in Environmental Research*, 24-25 September 2020, organized by the Department of Geography, University of Gour Banga, Malda, West Bengal.
37. Chairing Technical Session entitled Risk and Disaster Management in *IGU-India International Conference (Virtual)* on *Global to Local Sustainability and Future Earth*, December 18-20, 2020, organized by the Department of Geography, Mohanlal Sukhadia University, Udaipur, Rajasthan.
38. Chairing Technical Session entitled Geo-spatial Technology for Clean Water and Sanitation in *International Conference (Virtual)* on *Geospatial Technology for Sustainable Development*, jointly organized by the Department of Geography, University of Mysore & International Geographical Union, 5-6 February 2021.

39. Chairing Technical Session-VII entitled Sustainable Development and Solidarity in *International Conference on Exploring the Solidarity Approach in Geography*, 5-6 April 2021, organized by the Department of Geography, Shaheed Bhagat Singh College, University of Delhi.
40. Chairing Technical Session-12 entitled Green Development: Water Security, Energy Security and Ecological Security in the *National Web Conference on 'Environment, Development, and Livelihood: Sustaining Earth and People'* jointly organized by the Department of Geography, **Savitribai Phule Pune University**, Pune and **Institute of Indian Geographers** from 10-12 June 2021.
41. Chairing Technical Session-10 entitled Natural Hazards and Disaster Risk Reduction in 42nd IIG Annual Meet 2021 & the *International E-Conference on 'Geography for People, Planet, Prosperity and Peace'* jointly organized by the Department of Geography, **Savitribai Phule Pune University**, Pune and **Institute of Indian Geographers** from 4-6 October 2021.
42. Co-Chairing Technical Session-16 entitled Cultural Patterns, Processes and Indigenous Knowledge, in *43rd Indian Geography Congress on Population, Environment, Health, Sustainable Development Goals and Appropriate Technologies: Post-COVID-19 Scenarios*, October 28-30, 2021, Organized by Department of Geography, Institute of Science, **Banaras Hindu University**, Varanasi. Chairing Technical Session-5A entitled Geomorphic Impact Assessment, in *34th National Conference of the Indian Institute of Geomorphologists (IGI) on Geomorphology, Natural Hazards and Environment*, 2-4 November 2022, organized by the Department of Geography, **Savitribai Phule Pune University**, Pune, Maharashtra.
43. Chairing Technical Session in *International Seminar on Essence of Geography: What, Where, Why, and How*, 11-12 November 2022, organized by the Department of Geography, **Cooch Behar Panchanan Barma University**, West Bengal.
44. Chairing Technical Session-II in *International Conference on Role of Higher Education Institutions in Advancing Sustainable Development Goals*, November 22-23, 2022, organized by Faculty of Social Sciences, **Bhagat**

Phool Singh Mahila Vishwavidyalaya, Sonapat, India in Association with **Society for Pathways to Sustainability**.

45. Chairing Technical Session entitled COVID-19 Pandemic and Sustainable Tourism in the *IGU Thematic Conference*, 24-25 November, 2022, organized by the Department of Geography, **Central University of Haryana**, Mahendragarh, Haryana.
46. Chairing Technical Session 1-A in the *International Seminar on Unified Earth Now Becomes Diversified World*, organized by the Department of Geography, **Kandra Radha Kanta Kundu Mahavidyalaya** in collaboration with Purbasthali College, Purba Bardhaman, 23-24 August 2023.
47. Chairing Technical Session 8 in the *International Seminar on Recent Advancement in Geographical Studies: A Multidimensional Outlook*, September 1-2, 2023, organized by the Department of Geography, in collaboration with IQAC, **Rampurhat College**, West Bengal.
48. Chairing Technical Session 4B: Geo-Mapping in the *35th National Conference of IGI on Geomorphology, Environment and Management*, 25-27 November 2023, organized by the Centre for the Study of Regional Development, School of Social Sciences, **Jawaharlal Nehru University**, New Delhi.
49. Chairing Technical Session 5A: Coastal Vulnerability and Risk Assessment in the *35th National Conference of IGI on Geomorphology, Environment and Management*, 25-27 November 2023, organized by the Centre for the Study of Regional Development, School of Social Sciences, **Jawaharlal Nehru University**, New Delhi.
50. Chairing Technical Session: Themes Relevant to the Conference, *45th Indian Geography Congress on Environment, Development and Sustainability: The Exigency of Geography for a Resilient Future*, 14-16 December 2023, organized by the Department of Geography, **Savitribai Phule Pune University**.

Organizing Conferences/Seminars

1. **Member** of the Local Organizing Committee in the **International Conference on Innovation and Knowledge Management of Social and Economic Issues: International Perspective**, organized by the CSCSEA&SWPS, School of International Studies, Jawaharlal Nehru University in collaboration with ISPIM-Asia and Singapore Management University, held in New Delhi, January 9-10, 2007.
2. **Joint Organizing Secretary, National Seminar on Geo-Spatial Technology and Research in Geography**, organized by the Department of Geography, The University of Burdwan, West Bengal, 29th March 2008.
3. **Organizing Secretary, International Conference on Environment, Resource and Regional Development**, organized by the Department of Geography, The University of Burdwan, West Bengal, 8th & 9th March 2010.
4. **Convener, 33rd Indian Geography Congress on Resources and Development**, organized by the Department of Geography, The University of Burdwan, West Bengal, November 11-13, 2011.
5. **Organizing Secretary, UGC-SAP-DRS National Seminar on Sustainable Management of Resources in Backward Areas: Issues and Challenges**, organized by the Department of Geography, The University of Burdwan, 25-26 March 2013.
6. **Convener, 35th Indian Geographers' Meet & International Conference on Environment, Development and Equity**, organized by the Department of Geography, The University of Burdwan, 11-13 November 2013.
7. **Joint Organizing Secretary, 21st West Bengal State Science & Technology Congress**, organized by The University of Burdwan & Department of Science & Technology, Government of West Bengal, 20-21 February 2014.
8. **Joint Organizing Secretary, One Day Special Lecture Programme on Science and Technology**, organized by The University of Burdwan & Department of Science & Technology, Government of West Bengal, 6th June 2014.
9. **Organizing Secretary, UGC-SAP-DRS National Seminar on Dimensions of Resources and Development in the Western West Bengal**, organized by the Department of Geography, The University of Burdwan, 26-27 March 2015.

10. **Organizing Secretary, 7th Annual ANGIS 2018 International Conference-India** on *GIS-Connecting Geography, History and Economics.....Looking beyond Where*, organized by the Department of Geography & Department of Geo-Spatial Science, The University of Burdwan, to be held on 29th November -1st December 2018.
11. **Convener, XIV IGU-INDIA International Conference** on *Agriculture, Food, Water, Biodiversity and Health in Changing Climate*, organized by the Department of Geography in collaboration with Association of Bengal Geographers, to be held on 6th – 8th March 2020.
12. **Co-Convener, IGU-INDIA International E-Conference** on *Implications of COVID-19 on Local & Regional Sustainable Development: A Glocal Perspective* in collaboration with IGU Commission on Local and Regional Development & IGU Commission on Geo-heritage, 27-28 June 2020.

Organising Refresher Courses in UGC Academic Staff College/HRDC

1. **Joint Coordinator, 2nd Refresher Course in Disaster Management (10th-30th March, 2015), UGC Academic Staff College, The University of Burdwan.**
2. **Joint Coordinator, 4th Refresher Course in Geography (2nd -22nd February 2016), UGC Human Resource Development Centre, The University of Burdwan.**
3. **Coordinator, Hazards and Disasters: An Overview, Short Term Course on Disaster Management (21st – 27th February 2017), UGC Human Resource Development Centre, The University of Burdwan.**

Special/Invited Lectures Delivered

At the Academic Departments

1. **Floods in India: Looking at the Ground Reality, Department of Geography, University of Madras, 24th September 2012.**
2. **Climate Change Impacts on Flood Risks and Vulnerability with special reference to India in the Seminar on *Contemporary Issues of Urbanization, Climate Change and Sustainability* held on 3rd January 2013 at the Department of Geography & Environment, University of Dhaka, Bangladesh.**

3. Flood Situation in India: Risk Assessment and Management Strategies, Department of Geography, **Patna University**, 2nd May 2013.
4. Flood Situation in India: Issues and Concerns, lecture delivered at DPMM Programme, School of Environment, Resource and Development, **Asian Institute of Technology**, Bangkok, Thailand 20th August 2013.
5. Conflicts Vs. Development: Reviewing Indian Situation, Department of Geography, **University of Madras**, 17th December 2013.
6. Natural Resource Management and Sustainable Development, Centre for the Study of Regional Development, **Jawaharlal Nehru University**, New Delhi, 11th February 2015
7. Hazards and Disasters in India: Management Strategies and Policy Initiatives, **Rani Birla Girls' College**, Kolkata, 28th March 2015.
8. Tribal Livelihood and Sustainable Development: A Case Study of Mayurbhanj, Odisha, **Indian Institute of Dalit Studies**, New Delhi, 16th February 2016.
9. Exploring role of Institutions and Policy Initiatives in Disaster Management: Indian Context, Post Graduate Department of Geography, **Bijoy Krishna Girls' College**, Howrah, 23rd February 2016.
10. Research: Issues, Cautions and Precautions, PhD Coursework in Geography, **Kalyani University**, West Bengal, 9th September 2016.
11. Nature and Trends in Geographical Research: Global and National Perspectives, PhD Coursework in Geography, **Kalyani University**, West Bengal, 9th September 2016.
12. Focusing Research Issue: Indian Examples, PhD Coursework in Geography, **Kalyani University**, West Bengal, 9th September 2016.
13. Land: Multi-Dimensional Issues (3 lectures), Department of Geography, **Kazi Nazrul University**, Asansol, West Bengal, 13th January 2017.
14. Land Degradation: A Threat to Productivity and Sustainable Land Resource Management, Centre for the Study of Regional Development, **Jawaharlal Nehru University**, New Delhi, 15th February 2017.

15. Population-Environment-Development: A Critical Review, Centre for the Study of Regional Development, **Jawaharlal Nehru University**, New Delhi, 16th February 2017.
16. Safety and Disaster Management in National *Skill & Entrepreneurship Development Programme* (NSEDPP), organised by the Institute of Cost & Works Accountants of India (ICWAI) in association with Chakdaha College and supported by Hindustan Aeronautics Ltd. (HAL), 29th March 2017, **Chakdaha College**, Nadia.
17. A Geographer's View on Hazards and Disasters, Department of Geography, **SNDT Women's University**, Pune Campus, Pune, 20th September 2017.
18. Addressing the Issues of Land Acquisition in India, organized by **Geo-Research Forum**, Department of Geography, Delhi School of Economics, **University of Delhi**, 22nd December 2017.
19. Disaster Management in India: Paradigm Shift, Institutional Initiatives and Policy Framework, Department of Geography, **North-Eastern Hill University**, Shillong, 15th December 2018.
20. Population-Resource-Environment: Critical Triangle for Sustainable Development, in the "Special Lecture Series-2019" on *Contemporary Issues in Environment, Society and Sustainability* and *Book Release Ceremony*, **Bhatter College**, Dantan, Paschim Medinipur, 5th January 2019.
21. Focusing Disaster and Development: International and National Policy Framework, Department of Geography, **University of Gour Banga**, Malda, West Bengal, 11th March 2019.
22. Approaches and Models of Rural Development in India, Department of Geography, **Rabindra Bharati University**, Kolkata, 29th March 2019.
23. Linking Disaster Risk Reduction and Resilience with Sustainable Development Goals, Department of Geography, **Cooch Behar College**, 19th May 2022.
24. Can Rural Development in India boost up the National Economy?, **Saheed Kshudiram College**, Kamakhyaguri, Alipurduar, 21st May 2022.

25. Role of National Institutions in Disaster Management, *Value Added Certificate Course on 'Integrated Sustainable Disaster Management (ISDM)*, 27th August 2022, **Kazi Nazrul University**, Asansol (Online).
26. Research Methods in Geography: Some Basic Issues, *Extension Lecture Series Programme 2023*, Department of Geography, **Kazi Nazrul University**, Asansol, 6th July 2023.
27. Disaster and Development: Challenges of the 21st Century, Department of RS & GIS and IQAC, **Dr. Shyama Prasad Mukherjee University**, Ranchi, 23rd June 2023.

At the UGC Academic Staff College/HRDC

1. Natural Hazards and Disasters: Conceptual Background, Management Aspects and Institutional Framework, *Seventeenth Refresher Course in Environmental Studies, UGC Academic Staff College*, The University of Burdwan, 27th November 2009.
2. Hazards and Disasters in India: Management Measures, Role of Institutions and Human Response, *Nineteenth Refresher Course in Environment and Human Values, UGC Academic Staff College*, The University of Burdwan, 5th September 2011.
4. Hazards and Disasters Management: Indian Perspective, *82nd Orientation Programme, UGC Academic Staff College*, The University of Burdwan, 16th September 2011.
5. Floods in India: Conceptual Background, Risk Assessment and Management Measures, *Short-Term (9-15 March 2013) Training Programme on Disaster Management, UGC Academic Staff College*, The University of Burdwan, 11th March 2013.
6. Droughts of Doom: Indian Scenario, *Short-Term (9-15 March 2013) Training Programme on Disaster Management, UGC Academic Staff College*, The University of Burdwan, 11th March 2013.
7. Major Hazards and Disasters in India: Focusing Management Strategies and Role of Institutions, *22nd Refresher Course in Environmental Studies, UGC Academic Staff College*, The University of Burdwan, 22nd February 2014.

8. Hazards and Disasters: Paradigm Shift in Management Strategies and Vision of India, *Summer School on Vision 2020 (June 10 to June 30, 2014)*, **UGC Academic Staff College**, The University of Burdwan, 18th June 2014.
9. Research Methodology in Geography with special emphasis on Natural Resource Management, *1st Refresher Course in Research Methodology in Social Studies & Sanskrit*, **UGC Academic Staff College**, The University of Burdwan, 13th January 2015.
10. Disaster Management in India: Role of Institutions and Policy Perspective, *2nd Refresher Course in Disaster Management*, **UGC Academic Staff College**, The University of Burdwan, 12th March 2015.
11. Sustainable Tribal Development: Myth and Reality, *4th Refresher Course in Geography (2nd -22nd February 2016)*, **UGC Human Resource Development Centre**, The University of Burdwan, 19th February 2016.
12. Land Degradation: Causes, Consequences and Management, *Refresher Course on Disaster Management (26th February -17th March 2016)*, **UGC Human Resource Development Centre**, University of Calcutta, 9th March 2016.
13. Management of Wastelands: A Case Study, *Refresher Course on Disaster Management (26th February -17th March 2016)*, **UGC Human Resource Development Centre**, University of Calcutta, 9th March 2016.
14. Disaster Management: Comprehensive Overview, Short Term Course on Environmental Science (23rd – 31st May 2016), **UGC Human Resource Development Centre**, The University of Burdwan, 28th May 2016.
15. Hazards and Disasters: An Overview, Short Term Course on Disaster Management (21st – 27th February 2017), **UGC Human Resource Development Centre**, The University of Burdwan, 21st February 2017.
16. Comprehensive Disaster Management: Institutional Framework and Policy Perspectives at International and National Level, Online Refresher Course on Earth System and Exo-Meteorology, **UGC Human Resource Development Centre**, Osmania University, Hyderabad, 20th August 2020.

17. Life and Livelihood on Land: Perspective of Flood, Online Faculty Induction Programme, *UGC Human Resource Development Centre*, Osmania University, Hyderabad, 23rd September 2020.
18. Disaster Management: Institutional Mechanism and Policy Framework, Online Faculty Induction Programme, *UGC Human Resource Development Centre*, Osmania University, Hyderabad, 26th November 2020.
19. Addressing Land Degradation: The Question of Sustainability, Online Faculty Induction Programme, *UGC Human Resource Development Centre*, Osmania University, Hyderabad, 25th January 2021.
20. Institutional Mechanism and Policy Framework for Comprehensive Disaster Management: International and National Perspectives, Online 3rd Faculty Induction Programme, *UGC Human Resource Development Centre*, Ranchi University, Jharkhand, 19th February 2021.
21. Vicious Circle of Population-Development-Environment: The Issue of Sustainability, Online 3rd Faculty Induction Programme, *UGC Human Resource Development Centre*, Ranchi University, Jharkhand, 19th February 2021.
22. Flood Risk and Vulnerability: Exploring the Impacts and Management Measures, Online Faculty Induction Programme, *UGC Human Resource Development Centre*, Osmania University, Hyderabad, 24th September 2021.
23. Addressing the Issues of Disaster and Development, Refresher Course in Disaster Management, *UGC Human Resource Development Centre*, University of Allahabad, Prayagraj, 24th September 2021.
24. Disaster and Development: South Asian Perspectives and International Initiatives, Refresher Course in Disaster Management, *UGC Human Resource Development Centre*, University of Allahabad, Prayagraj, 24th September 2021.
25. Delivered lecture on Comprehensive Disaster Management: International and National Initiatives in the Refresher Course on Disaster Management, *UGC Human Resource Development Centre*, Madurai Kamaraj University, Tamil Nadu, 15th December 2021.
26. Delivered lecture on Comprehensive Disaster Management: International and National Policy Perspectives in the Refresher Course on Disaster Management,

- UGC Human Resource Development Centre*, Madurai Kamaraj University, Tamil Nadu, 15th December 2021.
27. Delivered lecture on Flood Induced Disaster: Exploring the Risk, Vulnerability and Management Measures for Sustainability in 7th Faculty Induction Programme, *UGC-Human Resource Development Centre*, University of Allahabad, 4th March 2022.
 28. Delivered lecture on Disaster Risk Reduction and Sustainable Development: Exploring International Perspectives and Initiatives in the Refresher Course on "Sustainability of Earth: Challenges and Mitigation Strategies", *UGC Human Resource Development Centre*, University of North Bengal, 19th February 2022.
 29. Delivered lecture on Disaster Risk, Development Compulsion and Sustainability Issues in Refresher Course in Geography, *UGC-Human Resource Development Centre*, University of Allahabad, 5th December 2022.
 30. Disaster Management and Sustainable Development: Issues and Concerns, Refresher Course in Environmental Science & Disaster Management, *UGC-Human Resource Development Centre*, Utkal University, 17th February 2023.
 31. Disaster Management and Sustainable Development: International Perspectives, Refresher Course in Environmental Science & Disaster Management, *UGC-Human Resource Development Centre*, Utkal University, 17th February 2023.
 32. Disaster Management: International and National Level Institutional Framework, Short Term Course on Hazards and Disaster Management, *UGC-Human Resource Development Centre*, University of Calcutta, 1st March 2023.
 33. Disaster Management: International and National Level Policy Perspectives, Short Term Course on Hazards and Disaster Management, *UGC-Human Resource Development Centre*, University of Calcutta, 1st March 2023.
 34. Focusing Population-Development-Environment Triangle: Issues and Challenges, Refresh Course in Environmental Sciences and Ecology, *UGC-Human Resource Development Centre*, Ranchi University, 26th July 2023.
 35. Institutional Framework and Policy Perspectives for Comprehensive Disaster Management, Refresh Course in Environmental Sciences and Ecology, *UGC-Human Resource Development Centre*, Ranchi University, 26th July 2023.

36. Overview of Disaster Management Policies: Global to Local, Refresh Course in Regional Development and Planning, *UGC-Malaviya Mission Teachers Training Centre*, University of Calcutta, 7th December 2023.
37. Disaster Risk Reduction and Sustainable Development Goals: Issues and Challenges, *UGC-Human Resource Development Centre*, Aligarh Muslim University, 9th December 2023.

At the Sponsored National Seminars/International Conferences

1. Combating Natural Hazards and Disasters in South Bengal with Special Focus on the Role of Government, NGOs and People, *UGC Sponsored State Level Seminar on Global Warming and its Impacts on Regional Natural and Human Resource Utilization: Special Focus on South Bengal*, organized by the Department of Geography, **Vivekananda Mahavidyalaya**, Haripal, Hugli, 26th August 2011.
2. Climate Change and Drought Mitigation: Indian Perspective, *UGC Sponsored National Seminar on Challenges and Mitigation of Drought in India*, organized by the Department of Geography, **Kashipur Michael Madhusudan Mahavidyalaya**, Purulia, 9th -10th September 2011.
3. Climate Change and Disaster Management, *UGC Sponsored National Seminar on Climate Change and Backward Areas: Doings & Well-Beings*, organized by the Departments of Economics & Geography, **Panchakot Mahavidyalaya**, Purulia, 24th -25th November 2011.
4. Climate Change and Hydrology with special reference to Flood, *UGC Sponsored National Seminar on Emerging Trends in Geography*, organized by the Department of Geography, **Bankura Christian College**, Bankura, 16th - 17th December 2011.
5. Risk Sensitive Land Use Planning and Flood Management, *UGC Sponsored National Seminar on Resources: Problems, Planning and Development in Backward Regions*, organized by the Departments of Economics & Geography, **Achhruram Memorial College**, Jhalda, Purulia, February 22-23, 2012.
6. Alternative Energy Resources and Sustainable Development: Indian Perspective, *UGC Sponsored National Seminar on Resource Utilization in*

India: Environmental Impacts and Sustainable Development, organized by the Departments of Geography, **Tarakeswar Degree College**, Hooghly, March 19-20, 2012.

7. Cloudburst: An Emerging Concern for Indian Subcontinent, *UGC Sponsored National Seminar on Contemporary Issues on Environment and Development in India and Adjacent Countries*, organized by the Department of Geography, **Kalyani Mahavidyalaya**, Nadia, September 20-21, 2013.
8. Alternative Energy Resources in India: Exploring Potentialities, Problems and Prospects for Sustainable Development, *UGC Sponsored National Seminar on Contemporary Issues on Alternative Energy Resources*, organized by the Department of Geography, **Vivekananda Mahavidyalaya**, Haripal, Hugli, November 22, 2013.
9. Climate Change Impacts on Flood Risks and Vulnerability: A Case of India, *SERB & UGC Sponsored National Symposium on Climate, Society and Sustainability*, organized by the Department of Geography, **University of Calcutta**, April 25-26, 2014.
10. Changing Situations of Flood in South Bengal, *UGC Sponsored One-Day National Level Seminar on Natural and Disaster: Special Emphasis on Cyclone and Flood in West Bengal*, organized by the Department of Geography, **Vivekananda Mahavidyalaya**, Haripal, Hugli, 9th October 2015.
11. Delivered lecture as Panelist on *Changing Nature of Flood and Drought: Challenges Ahead*, **6th NAGI International Conference**, organized by **Nalanda Open University**, Patna, 18th – 20th November 2016.
12. Climate Change and Food Security, *UGC Sponsored National Seminar on Spatio-Food-Insecurity Vulnerability: Economics & Politics*, organized by the Department of Geography, Commerce and Economics, **Panchakot Mahavidyalaya**, Neturia, Purulia, 16th – 17th March, 2017.
13. Delivered lecture entitled Cultural Globalization and Cultural Change: A Critical Insight, National Seminar on *Recent Trends in Human Geography*, organized by Department of Geography, **Savitribai Phule Pune University**, 22-23 September 2017.

14. Management of wastelands in Chotanagpur Plateau Fringe: Lessons from village level analysis in Birbhum District, West Bengal, India, **UGC-SAP-DRS III National Seminar** on *Environment and Resource & Urban and Regional Planning*, Department of Geography, Delhi School of Economics, **University of Delhi**, 23-24 December 2017.
15. Delivered lecture in the National Symposium on Regional Disparity of Development in South Asia with Special reference to North-East India, organized by **North-East India Geographical Society in collaboration with Institute of Indian Geographers (IIG)**, Gauhati University, October 12-13, 2018.
16. Delivered lecture as Panelist in the Panel Discussion entitled Disaster, *Community Resilience and Development* in **40th Indian Geography Congress**, organized by **Rajiv Gandhi University**, Arunachal Pradesh, October 29-31, 2018.
17. Delivered Plenary lecture as in the Plenary Session-II, **International Conference on Society and Sustainability: An Interdisciplinary Approach**, Organised by the Department of Geography, **Vivekananda College**, Kolkata, 12th & 13th January 2019.
18. Delivered lecture on Application of Remote Sensing & GIS in Geomorphological Studies and Disaster Management in the **National Workshop on Statistical Method using SPSS and Basics of GIS in Geographical Research** (August 01-16), **Banaras Hindu University**, 13th August 2019.
19. Delivered lecture on Social Science Research: Exploring the Trends of Research in Geography and Potential Sponsoring Agencies, **ICSSR sponsored Faculty Development Programme 2019** on *Modern Methods of Teaching and Advanced Research Methods*, 4-8 November 2019, organized by Bhatler College, Dantan, Paschim Medinipur, West Bengal.
20. Delivered lecture in *10 Days Research Methodology Course for M.Phil/PhD/PDF Scholars in Social Sciences* sponsored by ICSSR, 16-27

December 2019.organized by the Department of Environmental Science, **The University of Burdwan**

21. Delivered lecture in the Panel Discussion on Impact of COVID-19 Pandemic on Human Behaviour, Society and Environment in ***IGU-India International E-Conference on Implications of Covid-19 on Local & Regional Sustainable Development: A Glocal Perspective***, organized in collaboration with IGU-Commission on Local and Regional Development; Commission on Geo-Heritage, 27-28 June 2020.
22. Delivered lecture on Disaster Management and Sustainable Development: International and National Perspectives in the ***International Webinar on Sustainable Development***, 29-30 July 2020, organized by the Department of Geography, **Kandra R.K.K. Mahavidyalaya**, Purba Bardhaman, West Bengal.
23. Delivered lecture on COVID-19 Pandemic vs. Society, Environment and Development in the ***International Multidisciplinary Webinar on Environment, Development and Livelihood: Challenges and Opprtunities in the Era of Covid-19 Pandemic***, 30th July 2020, organized by IQAC in association with Department of Geography and Department of Economics, **Chandrapur College**, Purba Bardhaman, West Bengal.
24. Delivered lecture on Conservation and Management of Wetlands with Special Reference to Lower Damodar Alluvial Tract in West Bengal in the ***National Webinar on Involving the Students in Biodiversity Conservation***, 10th August 2020, organized jointly by **Bankura Christian College & Swami Dhananjoy Das Kathiababa Mahavidyalaya**, Bankura, West Bengal.
25. Delivered Keynote Address on COVID-19 Pandemic: Contemporary Environmental Issues and Challenges in Livelihood in the ***International Webinar on COVID-19, Environment & Livelihood: Contemporary Scenarios & Future Challenges***, 24th August 2020, organized by the Department of Geography and IQAC, **Swami Dhananjoy Das Kathiababa Mahavidyalaya**, Bankura, West Bengal.

26. Delivered Keynote Address on Environmental and Socio-Economic Impacts of Covid-19 Pandemic: A Critical View in the *National Webinar on Impact of COVID-19 Pandemic in the Existing Socio-Economic Environment*, 25-26 August 2020, organized by IQAC of Birbhum Mahavidyalaya, West Bengal.
27. Delivered lecture on Ecological, Economic and Cultural Perspectives of Wetland: The Case of an Alluvial Tract in West Bengal in the *International Webinar on Recent Advances in Environmental Research*, 24-25 September 2020, organized by the Department of Geography, University of Gour Banga, Malda, West Bengal.
28. Delivered lecture on COVID-19 Pandemic: Exploring the Paradigm Shift in Geographical Research in the *International Webinar on Researching in Geography and allied disciplines: Pre and Post COVID-19 Pandemic Situation*, 3rd October 2020, organized by the Department of Geography, Gour Mahavidyalaya, Malda, West Bengal.
29. Delivered lecture on Population-Development-Environment: The Question of Sustainability in the *International Webinar on Environment, Population and Development: Challenges & Opportunities*, 17-18 October 2020, organized by the Department of Geography, Malda Women's College, Malda, West Bengal.
30. Delivered lecture on Natural Resource Management: Issue of Sustainable Livelihood in the *XV DGS International Geography Conference (online) on Climate Change, Disasters and Sustainable Livelihood*, 26-28 November 2020, organized by the Department of Geography, **University of Allahabad & Deccan Geographical Society**, India.
31. Delivered lecture on Natural Resource Management and Sustainable Livelihood: Exploring the Richness and Ground Reality of North-East in the *International Webinar on Natural Resource Management & Sustainable Development: North-East Chapter*, 17-18 April 2021, organized by the Department of Geography, **Mizoram University**, Pachhunga University College Campus, Aizawl, Mizoram.
32. Delivered lecture on Comprehensive Disaster Management: Global to Local in One Day *State Level Webinar* on 22nd May 2021, organized by the Department

of Geography in collaboration with IQAC, **Tarakeswar Degree College**, West Bengal.

33. Delivered lecture on Focusing Contemporary Environmental Issues and Interventions for Ecological Restoration in *World Environment Day Celebration*, 5th June 2021, organized by the Department of Geography, **Malda College** in collaboration with the Department of Geography, **Malda Women's College**, West Bengal.
34. Delivered a lead lecture in Technical Session: 12 on Friday, June 11, 2021 during the *National Web Conference* on 'Environment, Development, and Livelihood: Sustaining Earth and People' jointly organized by the Department of Geography, **Savitribai Phule Pune University**, Pune and **Institute of Indian Geographers** from 10-12 June 2021.
35. Delivered lecture on Contemporary Environmental Issues and the Question of Sustainability in the *National Webinar on Environmental Problems and Sustainable Development*, 30th June 2021, organized by **Dayavihar Degree College**, Kanas, Puri, Odisha.
36. Delivered lecture on Disaster Risk Reduction and the Sendai Framework in the Plenary Session-2 on 6th August 2021 in the *IGS - International E-Conference on "Earth Sciences and Sustainable Development Goals"*, 5th to 7th August, 2021, organized by the Department of Geography, **Osmania University**, Hyderabad, Telangana in Collaboration with the **Indian Geographical Society**, Chennai.
37. Delivered lecture on 'Achieving Sustainable Development Goals through Disaster Risk Reduction' in the *International Webinar on Disaster Risk Reduction, Resilience and Sustainability*, organized by the PG Department of Geography in collaboration with IQAC, **Haldia Government College**, West Bengal.
38. Delivered lecture on 'Disaster and Development: Addressing the Issues Risk Assessment, Reduction and Management' in the *National Webinar on Current Trends in Geography and Its Application*, organized by the Department of

Geography in collaboration with IQAC, **Rampurhat College**, Birbhum, West Bengal.

39. Delivered lecture on 'Human Intervention, Geomorphic Impact and Sustainable River Health with Special Reference to Flood in South Bengal, India' in the *International Webinar on River and Changing Riverine Ecosystem*, organized by the **Foundation of Practising Geographers**, Kolkata, 25-26 September 2021.
40. Delivered a lead lecture on 'Land Degradation: Issues and Concerns' during 42nd IIG Annual Meet 2021 & the *International E-Conference on 'Geography for People, Planet, Prosperity and Peace'* jointly organized by the Department of Geography, **Savitribai Phule Pune University**, Pune and **Institute of Indian Geographers** from 4-6 October 2021.
41. Delivered Lecture on Disaster Risk Reduction and Sustainable Development: International Perspectives and Initiatives in the *National Symposium on "Sustainable Development: Pathways to Save the Planet"*, December 20-21, 2021, organized by the Faculty of Social Sciences, **Bhagat Phool Singh Mahila Vishwavidyalaya (BPSMV)**, Sonapat, Haryana.
42. Delivered lecture on Digital Cartography: A Comprehensive Overview in *NGP-DST Winter School on Geospatial Technologies (Level 1)* conducted by **Suresh Gyan Vihar University**, Jaipur (Online Mode) supported by Department of Science and Technology Govt. of India, New Delhi, 13th January 2022
43. Delivered lecture on Application of Remote Sensing & GIS in Geo-Environmental Studies, in the *Skill Development Certificate Course on "Application of Remote Sensing and Geographical Information System in Natural Resource and Environmental Management"* under the Rashtriya Uchchatar Shiksha Abhiyan (RUSA) Program, Department of Environmental Science, **University of Kalyani**, 29th January 2022.
44. Delivered lecture on Conservation and Management of Wetlands: Ecological, Economic and Cultural Perspectives in *"District Level Spearhead Training Programme on Bio-Diversity Conservation of Ganga River Basin"*, 9th-15th

February 2022, organized by **Nehru Yuva Kendra**, Burdwan (W. B.), under the auspices of Ministry of Youth Affairs & Sports, Government of India, 11th February 2022.

45. Delivered Lead Lecture on Disaster Management Policy Perspectives in ***Two-Day National Conference*** on "*Geospatial Intelligence for Environmental Hazards and Disaster Management*", 5th & 6th March 2022, organized by PG Department of Geography, **Raja Narendra Lal Khan Women's College (Autonomous)**, Gope Palace, Vidyasagar University, Midnapore, West Bengal.
46. Delivered lead lecture on Population-Development-Environment Triange: Issue of Worsening Sustainability in ***ICSSR-ERC sponsored Two Day National Seminar*** on *Self-reliance (Atmanirbhar), Sustainable Development and Environment*, 25-26 March 2022, organized by the Department of Geography, **Serampur Girls' College**, Hooghly District, West Bengal.
47. Delivered lecture on Natural Resource Management, Livelihood Security and Sustainable Development in North-East India: Geographical Perspective in the ***International Webinar*** on "*Sustainable Development: Geographical Perspective*", organized by the Department of Geography, **Morigaon College**, Assam in collaboration with its Alumni Association.
48. Delivered lecture on Only One Earth: We the Human Being and Our Responsibilities, Online Special Lecture on 'World Environment Day, 2022', 5th June 2022, organized by the Department of Geography, **Malda Women's College**, West Bengal.
49. Delivered lecture on Save the Mother Earth: The Question of Survival, in the ***International Level Webinar*** on *Only One Earth*, 7th June 2022, organized by the PG Department of Geography, **Prabhu Jagatbandhu College**, Howrah.
50. Delivered lecture on Reviewing the Situation of Floods and Tropical Cyclones in West Bengal, in ***Online Training Program*** on "*Resilience Measures of Buildings with Special Reference to Floods and Cyclones*" 20th July 2022, organized by **National Institute of Disaster Management**, Ministry of Home Affairs, Government of India with **The University of Burdwan**, West Bengal (Department of Geography), 20th – 22nd July 2022.

51. Delivered lecture on Flood Induced Disaster: Risk, Vulnerability and Management Measures for Sustainable Development, in Online Training Program on "Flood Risk Reduction and Resilience Strategies: A Trans-disciplinary Approach", Organized by **National Institute of Disaster Management, MHA, GoI** with Innovation, Incubation & Entrepreneurship (IIE) Cell, **Kazi Nazrul University**, Asansol, West Bengal, 17-19 October 2022
52. Delivered Plenary Lecture on Environmental Implications of Human Intervention in the Lower Damodar Basin, West Bengal, in **34th National Conference** of the Indian Institute of Geomorphologists (IGI) on *Geomorphology, Natural Hazards and Environment*, 2-4 November 2022, organized by the Department of Geography, **Savitribai Phule Pune University**, Pune, Maharashtra.
53. Delivered Plenary Lecture on Disaster, Development and Environmental Sustainability: Issues and Challenges, in **International Seminar** on *Essence of Geography: What, Where, Why, and How*, 11-12 November 2022, organized by the Department of Geography, **Cooch Behar Panchanan Barma University**, West Bengal.
54. Delivered Plenary Lecture on Geo-Ecological Perspectives of Durga Puja and Festival, in **Durga Festival–Intangible Cultural Heritage of Humanity** to commemorate **World Heritage Week**, organized by Kolkata Centre for Creativity (KCC) in collaboration with Museum Association of West Bengal, Centre for Museum Studies, University of Jammu and Department of Vedic Studies, Rabindra Bharati University, 19-25 November 2022.
55. Delivered Keynote Lecture in the technical session titled "COVID-19 Pandemic and Sustainable Tourism" at the **IGU Thematic Conference**, 24-25 November, 2022, organized by the Department of Geography, **Central University of Haryana**, Mahendragarh, Haryana.
56. Delivered Keynote Address on Hydro-Geomorphological Aspects of Flood: Addressing the Issues of Risk and Vulnerability for Sustainable Water Resource Management, in **KNU UGC-STRIDE** Sponsored **One Week**

Capacity Building Training Workshop on "Applications of Modern Techniques in Hydrogeomorphology (Hydro-Geo 2022)", 29th November 2022, organized by the Department of Geography, Kazi Nazrul University, Asansol, West Bengal.

57. Delivered lecture on Disaster Management: International and National Level Initiatives, *In-Service Training / Orientation Programme for School Teachers'* Sponsored by MoE, Govt. of India under RUSA (Rashtriya Uchchar Shiksha Abhiyan), **Ramakrishna Mission Sikshanamandira**, Belur Math, 3rd January 2023
58. Delivered lecture on Disaster Risk Reduction and Sustainable Development, 5th *Regional Science and Technology Congress (Region-6)*, **Bankura University** Main Campus, 9th January 2023.
59. Delivered lecture on Managing Cyclonic Hazards in the Indian Coasts: Human Dimensions and Sustainability Issues, **ICSSR-ERC** sponsored Seven- days *Online Capacity Building Programme* on "Climate resilience and adaptations for coastal communities" in Collaboration with IJL Research Lab, Keio University, Japan ICSSR-ERC (India), RIKA Institute, India, Organized by Department of Geography, **Bhatter College**, Dantan, 7th March 2023.
60. Delivered lecture on Focusing Disaster Risk Reduction & Sustainable Development in the 21st Century, *14-day National Workshop on "Disaster Management & Mitigation"* organized by A. K. Dasgupta Centre for Planning and Development [A centre sponsored by the NITI AAYOG, Govt. of India], **Visva Bharati**, Santiniketan, 17th May 2023.
61. Intellectual Property Rights: Comprehensive View, *State Level Webinar on Intellectual Property Rights*, organized by **Serampore Girls' College**, Hooghly, West Bengal, 27th May 2023.
62. Delivered lecture on Urbanization and Environmental Hazards in the Darjeeling Himalayan Region: The Issue of Sustainability, **ICSSR-ERC** Sponsored *National Seminar on Urbanization, Urban Environment and Sustainability in Himalayan and Sub-Himalayan Region*, organized by the

Department of Geography & Applied Geography, **North Bengal University**,
1st & 2nd July, 2023.

63. Delivered lecture on Life and Livelihood on Land: Issues and Challenges, ***International Seminar on Unified earth now becomes diversified World***, 23rd-24th August, 2023, Organized by the Department of Geography **Kandra Radha Kanta Kundu Mahavidyalaya**, Kandra, in collaboration with Purbasthali College, Purba Bardhaman.
64. Delivered Plenary lecture on Exploring the Nexus of Man-Environment-Development in the 21st Century in the ***International Seminar on Recent Advancement in Geographical Studies: A Multidimensional Outlook***, September 1-2, 2023, organized by the Department of Geography, in collaboration with IQAC, **Rampurhat College**, West Bengal.
65. Delivered lecture on Application of RS & GIS in Geomorphological Studies and Disaster Management: Examples from Rarh Bengal, in the ***ICSSR sponsored International Conference on Geographical Dimensions of Sustainability and Recovery: Social, Cultural and Environmental Concerns***, 3rd & 4th October 2023, organized by the Department of Geography, Delhi School of Economics, **University of Delhi**.
66. Delivered lecture on Climate Change, Disaster Risk Reduction and Resilient Society, in the ***XXIV Annual Conference & National Seminar of AGBJ on Climatic Variability: Challenges to Physical Landscape and Human Response***, 4th & 5th November 2023, organized by the Department of Geography & IQAC, **Ranchi University**, Jharkhand.
67. Delivered Plenary lecture on Disaster Risk Reduction and SDGs: Issues and Concerns, ***45th Indian Geography Congress on Environment, Development and Sustainability: The Exigency of Geography for a Resilient Future***, 14-16 December 2023, organized by the Department of Geography, **Savitribai Phule Pune University**.
68. Delivered Keynote lecture in the Thematic Session entitled *Science and Technology for Disaster Management* in ***6th Regional Science and Technology Congress*** (2023-24), 9-10 January 2024, jointly organized by **Durgapur**

Government College and Department of Science & Technology and Biotechnology, Government of West Bengal.

Others

1. Natural Hazards with particular reference to river floods in India, PGT workshop, organized by SCERT, Delhi Administration, 5th June 2003.
2. Environmental Aspects of Water Quality, PGT workshop, organized by SCERT, Delhi Administration, 11th June 2004.
3. Natural Hazards, Disasters and their Management, organized by Fakir Chandra Roy Smriti Granthagar, Shahid Shibshankar Seva Samiti, Bardhaman, 12th July 2009.
4. Role of Information Technology in Disaster Management, *Workshop on Introducing Cartography, Remote Sensing & GIS for School Children*, organized by *Indian National Cartographic Association* (INCA) in collaboration with *Initiatives for Social Change and Action* (ISCA), 11th September 2010, JNU, New Delhi.
5. Disaster Management and Role of NSS, *Training Workshop of NSS Programme Officers*, The University of Burdwan, 9th January 2011.
6. Population Pressure and Environmental Concerns, *World Population Day Lecture*, 11th July 2014, *Bardhaman Science Centre*, West Bengal.

Research Guidance

M. Phil (awarded)

1. Manas Pal (2008): *Trends of Agro-Industrial Development: A Case Study*, Department of Geography, The University of Burdwan.
2. Sujay Bandyopadhyay (2009): *Flood-Induced Embankment Failures: Severity in Selected Blocks of Lower Ajay Basin*, Department of Geography, The University of Burdwan.
3. Shakti Pada Mandal (2009): *Environmental Resource Potential and Tribal Livelihood along the Right and Left Banks of Kangsabati River in Khatra Sub-Division, Bankura District, West Bengal*, Department of Geography, The University of Burdwan.

4. Syfujjaman Tarafder (2010): *Tourism Potential of Murshidabad District in West Bengal: Constraints and Prospects*, Department of Geography, The University of Burdwan.
5. Monalisa Chatterjee (2012): *Managing the Flood Hazard and Disaster: A Case of Lower Dwarakeswar-Mundeswari Interfluve, West Bengal*, Department of Geography, The University of Burdwan.
6. Moumita Kundu (2017): *Role of Panchayati Raj Institutions in Rural Development: A Case Study of Faridpur-Durgapur Block, Paschim Barddhaman District*, Department of Geography, The University of Burdwan.
7. Manoj Kumar Mahato (2019): *Land Characteristics and Agricultural Patterns in Salda River Basin, Purulia District, West Bengal*, Department of Geography, The University of Burdwan.
8. Tapan Pramanick (2019): *Spatial Analysis of Tuberculosis in Malda District, West Bengal: A Study in Medical Geography*, Department of Geography, The University of Burdwan.
9. Ratan Pal (2020): *Land Use Land Cover Change and Soil Erosion in the Irga Watershed: An Environmental Impact Assessment*, Department of Geography, The University of Burdwan.
10. Buddhadev Hembram (2020): *Urbanization and Environmental Change: A Study of Kalimpong and Kurseong Municipalities in West Bengal*, Department of Geography, The University of Burdwan.
11. Purnava Ghosh (2020): *Wetland Resources of Goghat-I Block in Hooghly District, West Bengal: Exploring the Potentiality for Rural Development*, Department of Geography, The University of Burdwan.

Ph. D. (Awarded)

1. Soumen Mandal (2015): *Environmental Impact Assessment of Flood in Darakeswar-Mundeswari Basin, West Bengal*.
2. Manas Pal (2016): *Wasteland Management and Development: A Case Study of Khoyrasole Area in Birbhum District, West Bengal*.

3. Sumitra Chandra (2017): Slums - The Dark Patch on Urban Environment: A Case Study of Howrah Municipal Corporation, West Bengal.
4. Alamgir Badsah (2018): Conservation and Management of Wetlands of the Damodar Alluvial Tract in Burdwan District, West Bengal.
5. Sujay Bandyopadhyay (2019): Fluvial Processes and Quaternary Landscape Evolution in the Ajay River Basin, West Bengal.
6. Prasanta Kumar Ghosh (2019): Fluvio-Geomorphological Response to Human Intervention: An Analysis of Channel Characteristics of Damodar River in West Bengal.
7. Sathi Sampad Roy (2020): Impact of Geomorphic Attributes on Agriculture and Rural Settlements: A Comparative Study between Uplands and Plains of Purulia District, West Bengal.
8. Sumanta Kumar Baskey (2021): Level of Tribal Development among the Tribes of Manbazar-II Block in Purulia District, West Bengal.
9. Raj Kumar Samanta (2021): Integrated Watershed Development and Management: A Case Study of Kunur-Khari Micro Watersheds in Ausgram-II Block of Burdwan District, West Bengal.
10. Ritendu Mukherjee (2022): Fluvio-Geomorphological Response to Flood Hazard: A Case of Lower Damodar River Basin in West Bengal, India.
11. Syfujjaman Tarafder (2022): Role of Transport Network and Services on Rural Development in Murshidabad District, West Bengal, India.

Ph. D. (Registered)

1. Ritabrata Mukhopadhyay (2017): Spatial Significance of Socio-Political Movements in Puruliya District, West Bengal.
2. Arup Kumar Saha (2019): Access to Health Care Services in Dakshin Dinajpur District, West Bengal: A Spatio-Temporal Analysis
3. Tapan Pramanick (2019): Spatio-Temporal Analysis of Tuberculosis in Some Selected Districts of West Bengal.
4. Pranabpati Karmakar (2021): Role of Transport Infrastructure on Sustainable Livelihood of the Sundarban Region –A Case Study of Basirhat Subdivision, West Bengal.

5. Ratan Pal (2022): Estimating Soil Erosion and Its Impacts: A Sustainable Land Utilization Perspective in the Silabati River Basin, Eastern India.
6. Buddhadev Hembram (2022): Impact of Rapid Urban Growth on living Environment in Siliguri Municipal Corporation, India.
7. Manoj Kumar Mahato (2022): Wasteland Management and Sustainable Development in Drought-prone Purulia District, West Bengal.

Research Projects

1. *Tribal Livelihood and Sustainable Development in Mayurbhanj District, Orissa*, sponsored by ICSSR: 2012-14 (Report submitted) (*PI*)
2. *Integrated Wasteland Management and Land Resource Planning in Drought-Prone Puruliya District, West Bengal*, partial funding by NRDMS, Department of Science & Technology, Government of India, 2017 (Report submitted) (*PI*).

Research Methodology Course/Training Programme

1. *Research Methodology Course for M.Phil/PhD/PDF Scholars in Social Sciences*, sponsored by ICSSR, New Delhi, 05th - 15th March, 2018 (*Course Director*).
2. *Online Training Program on “Resilience Measures of Buildings with Special Reference to Floods and Cyclones”* organized by **National Institute of Disaster Management**, Ministry of Home Affairs, Government of India with **The University of Burdwan**, West Bengal (Department of Geography), 20th – 22nd July 2022 (*Convener*).

Conferences / Seminars Attended and Papers Presented

International Seminars/Conferences outside India

1. Presented paper entitled Environment and Economy in the Darjeeling Himalayas, IGU International Conference on *Economy, Environment and Quality of Life in Mountain and Hill Environment*, 10-12 Jan., 1994, Tribhuvan University (P. N. Campus), Pokhara, **Nepal**.

2. Presented paper entitled Hydrologic Variability, Flow Regulation and Flood Risk Assessment of the Ajay River, West Bengal, India in the International Conference on *Hazards & Disasters 2012* organized by International Center for Research and Development (ICRD), Sri Lanka & Institute for Global Change Adaptation Science, Ibaraki University, held on 20-21 September 2012, Grand Oriental Hotel, Colombo, **Sri Lanka**.
3. Presented paper entitled Trend and Pattern of Infant Mortality in West Bengal, India: A Critical Appraisal in 14th Bangladesh International Geographical Conference-2013 on *Geography and Environment: Challenges in 21st Century* organized by Bangladesh National Geographical Association (BNGA), held on 5th January 2013 at Jahangirnagar University, Dhaka, **Bangladesh**.
4. Presented paper entitled Analyzing Patterns and Variations in Health Status with Special Reference to Tribes: A Case of Orissa, India in 5th *International Conference on Health GIS 2013*, 21-23 August 2013, Bangkok, **Thailand**.
5. Presented paper entitled Changing rainfall patterns and their linkage to floods in Bhagirathi-Hooghly Basin (BHB), India: Implications for Water Resource Management, *IGU Regional Conference 2015*, 17-21 August 2015, Moscow, **Russia**.
6. Presented paper entitled Flood of 2015 that engulfed *Rarh plains* in West Bengal, India: a wake-up call for society, 33rd *International Geographical Congress*, 21st – 25th August 2016, Beijing, **China**.
7. Presented paper entitled Trends of Teaching and Research in Geography: Indian Scenario, *International Bilateral Seminar* between Hiroshima University and University of Delhi on *Promoting Economic Geography Studies on 'Inclusive Growth' in Contemporary India*, 23rd – 25th December 2016, organized by Department of Geography, Graduate School of Letters, Hiroshima University, **Japan**.
8. Presented paper entitled Wetlands of Damodar Alluvial Tract in Burdwan District, West Bengal, India: Exploring Potentiality for Rural Transformation, *International Forum on Education for Rural Transformation (IFERT)*, 13-15 November 2017, organized by *Asian Institute of Technology (AIT)*, **Thailand**.

International Seminars/Conferences within India

1. IGU International Conference on *Commercial Activities and Regional Development in the Indian Ocean Region*, 23-26 March, 1995, New Delhi, presented paper entitled “Assessment of Natural Resources Using Remote Sensing Technique in the Bay of Bengal Region”, organized by **IGU Commission** on Commercial Activities (Co-author: Prof. N. K. De)
2. 18th INCA International Congress on *Cartography in Action*, 15-18 Dec., 1998, Calcutta, presented paper entitled “Use of Aerial Photographs for Micro Level Land Use Planning: An Approach to Sustainable Development”, organized by **NATMO**, Calcutta.
3. 2nd International Conference on *Sustainable Agriculture, Water Resources Development and Earth Care Policies*, organised by **Bhoovigyan Vikas Foundation**, 18-20 Dec. 2002, New Delhi.
4. International Seminar on *River Floods: A Socio-Technical Approach*, organised by Natural Disaster Management Cell, **Visva Bharati** in collaboration with Akhil Bharat Bhuvitya O Paribesh Samiti, Santiniketan, 14, 15 & 16 Feb., 2003, presented paper entitled “Major Floods of the World in 1990s: Lessons for Flood Management in India” (Co-author: Prof. K. S. Sivasami).
5. International Conference (in Honour of Professor Tapas Majumdar) on *Education and the Social Science Paradigms (ESSP)*, organised by Zakir Husain Centre for Educational Studies, SSS, **JNU**, New Delhi, March 11-13, 2004 (worked as rapporteur).
6. International Conference on *Globalisation: Social and Political Dimensions*, organized by the Centre for Study of Law and Governance, **Jawaharlal Nehru University**, New Delhi, 17-18 November 2005.
7. International Conference on *Innovation and Knowledge Management of Social and Economic Issues: International Perspective*, organized by the CSCSEA&SWPS, School of International Studies, **Jawaharlal Nehru University** in collaboration with ISPIM-Asia and Singapore Management University, held in New Delhi, January 9-10, 2007; presented papers entitled (i)

“Assessment of Land Transformation through Geo-Informatics Approach: The Case of an Indian City” (Co-author: Rupesh Gupta) and (ii) “Promoting Indigenous Resource in International Arena: A Study of Sabai Products in Mayurbhanj, Orissa” (Co-author: Dr. Anuradha Banerjee).

8. International Conference on *Development Models and Global Integration*, organised by the Centre for Russian and Central Asian Studies, School of International Studies, **Jawaharlal Nehru University** in collaboration with World Public Forum on Dialogue of Civilizations, held in New Delhi, January 24-25, 2007.
9. Presented paper entitled Implications of Hydrological Change on Flood Embankment Breaching in the Lower Ajay Basin of Bardhaman District, West Bengal in the International Seminar on *Population, Development and Disaster Management* organized by the Department of Geography and Disaster Management, **Tripura University**, 8-11 February 2012.
10. Presented paper entitled Assessment of Natural Resource Potential and Tribal Livelihood along the Right and Left Banks of Kangsabati River in Bankura District, West Bengal in the International Seminar on *Technology, Energy and Sustainable Rural Environment* (under the auspices of UGC-SAP-DRS), organized by the Department of Geography, **Banaras Hindu University**, Varanasi, 23-25 February 2011.
11. Presented paper entitled Tourism in Coastal West Bengal: Issues, Opportunities and Challenges in 4th International Geography Congress organized by PG Department of Geography, **Utkal University**, Bhubaneswar, Odisha held on 16-18 January 2013.
12. Presented paper entitled Floodplain Hydrogeomorphic Processes and its Impact on Riparian Habitat within Alluvial River System: Lessons from a Tropical River of Eastern India in the *International Geographical Union (IGU) Conference on Geoinformatics for Biodiversity and Climate Change*, organized by Department of Geography, **M. D. University**, Rohtak in collaboration with IGU Commissions on Biogeography and Biodiversity & LULC, 14-16 March 2013.

13. Assessment of Basic Services to Urban Poor (BSUP) Scheme: A Case Study of Howrah Municipal Corporation Area, *International Seminar on Environmental Perspectives and Resource Management*, organized by **Institute of Landscape, Ecology and ekistics**, Kolkata, 19-20 December 2014.
14. Economic Status, Perception Level and Quality of Life: A Micro Level Study of Machkhanda Village in Burdwan District, West Bengal, *36th Indian Geographers' Meet & International Seminar on Environmental Changes and Challenges: Local, Regional and Global Perspectives*, organized by the Department of Geography, **Gauhati University**, Guwahati, Assam, 25-28 February 2015.
15. Assessing Nature, Causes and Occurrences of Flood: A Case of Darakeswar-Mundeswari Interfluvium in Hugli District, West Bengal in *35th INCA International Congress on Spatial Governance for Development, Planning Smart Cities and Disaster Management*, organized by the Centre for the Study of Regional Development, **Jawaharlal Nehru University**, New Delhi, December 15-17, 2015.
16. Urban Influence on Infrastructure and Quality of Life in Rural Area: A Micro Level Case Study of Burdwan District in West Bengal in *International Conference on Urbanisation and Regional Sustainability*, organized by the Department of Geography, University of Calcutta, 28-30 January 2016.
17. Management of Wastelands: A Case Study of Khoyrasole Block in Birbhum District, West Bengal, *37th IIG Congress & International Conference on Land Resource Policies, Agriculture and Expanding Urban-Industrial Spaces*, organized by the Department of Geography, Kurukshetra University, 11-13 February 2016.
18. Are the Land Use Practices of Tribals Traditional or Modern? A Micro-Level Case Study of Purulia District in West Bengal, *37th IIG Congress & International Conference on Land Resource Policies, Agriculture and Expanding Urban-Industrial Spaces*, organized by the Department of Geography, Kurukshetra University, 11-13 February 2016.

19. Flood Modeling of Some Monsoon Dominated Rivers in Southern Bengal, India, **9th International Geographical Union Conference on Land Use Change, Climate Extremes and Disaster Risk Reduction**, Department of Geography, Shaheed Bhagat Singh College, University of Delhi, Delhi, 18-20 March 2016.
20. Changing Cropping Pattern in the State of West Bengal, India: A Geographical Analysis, **36th INCA International Congress on Cartography for Analysis and Management of Climate Change**, 9th-11th November 2016, Department of Geography, Visva-Bharati, Santiniketan.
21. Presented paper entitled Flood Risk Zonation and Its Assessment: A Study in Bolpur Subdivision, West Bengal, India, in **International Seminar on Essence of Geography: What, Where, Why, and How**, 11-12 November 2022, organized by the Department of Geography, **Cooch Behar Panchanan Barma University**, West Bengal.
22. Presented paper entitled Impact of Climate Change on Sustainability in Selected Coastal Blocks of Sundarban Region, West Bengal, in **International Conference on Role of Higher Education Institutions in Advancing Sustainable Development Goals**, November 22-23, 2022, organized by Faculty of Social Sciences, **Bhagat Phool Singh Mahila Vishwavidyalaya**, Sonapat, India in Association with **Society for Pathways to Sustainability**.
23. Presented paper entitled Climate Change Induced Cyclone Vulnerabilities on the Inland Fisheries-Based Livelihood in Coastal Blocks of Sundarbans Region, South 24 Parganas, West Bengal, in the **IGU Thematic Conference**, 24-25 November, 2022, organized by the Department of Geography, **Central University of Haryana**, Mahendragarh, Haryana.

National Seminars/Conferences

1. 80th Session of the *Indian Science Congress*, 3-8 January 1993, Goa, presented paper entitled “Geomorphology and Land Use” in the section of Earth Sciences.

2. 34th Annual Symposium of the *Indian Council of Geographers*, 2nd Jan., 1993, Goa, presented paper entitled “Environmental Change: Conception and Misconception” (Co-author: Prof. N. K. De).
3. 15th *Indian Geographers’ Meet* (Conference of Institute of Indian Geographers), organised by the Deptt. Of Geography, Pt. R. S. Shukla University, Raipur, 20-22 Feb., 1994, presented paper entitled “Land Use Planning: Methodologies Adopted in Developed and Developing Countries” (Co-author: Prof. N. K. De)
4. One Day Conference on *Information Technology for Rural Development*, organised by USIC, Burdwan University & IEEE, Calcutta Chapter, 2nd Sept., 1999, presented paper entitled “Application of Remote Sensing Technique for Rural Land Use Planning and Development”
5. National Workshop-Cum-Seminar on *Water Security and Management of Water Resources* organised by NATMO, Dept. of Sc. & Tech., GOI, Salt Lake, Kolkata, February 23, 2004, presented paper entitled “Environmental Aspects of Water Quality in India: Issues in Sustainability” (Co-author: Dr. Anuradha Banerjee).
6. 82nd Session of the *Indian Science Congress*, 3-8 Jan. 1995, Calcutta.
7. 3rd Annual Conference of Bharata Vidya Charcha Kendra on *Commerce and Culture: Indian Context*, 15-16 Feb., 2003, Burdwan, presented paper entitled “Is Globalisation a Threat to Indian Culture?” (Co-author: Prof. Sudesh Nangia)
8. Presented paper entitled Land Use Changes and Land Use Planning: A Comprehensive National Policy Needed in 30th *Indian Geography Congress on Planet Earth – A Blue Print for Survival*, December 19-21, 2008, Allahabad University, Allahabad.
9. Presented paper entitled Hazards of Soil Erosion in India: A Growing Concern in IGI National Conference on *Man-Environment Relation: A Vision Plan for Green Earth*, October 29-31, 2009, Allahabad University, Allahabad.
10. Presented paper entitled Changing Face of Rural India: A Synoptic View in 31st *Indian Geography Congress on Environment, Culture and Development*, November 19-21, 2009, Rani Durgawati University, Jabalpur.
11. Presented paper entitled Application of Remote Sensing & GIS in Disaster Management in 32nd *Indian Geography Congress on Globalization, Population*

- and Regional Development*, November 19-21, 2010, Panjab University, Chandigarh.
12. Presented paper entitled Measuring Agricultural Efficiency of Bankura District, West Bengal in National seminar on *Geography: Space, Time and People* organized by Indian Geographical Foundation in Collaboration with Anthropological Survey of India, Kolkata, February 11-13, 2011.
 13. Presented paper entitled Resource Potentiality and Tribal Livelihood in selected Parts of Puddi Gram Panchayat in Ranibandh Block, Bankura District in 33rd *Indian Geography Congress on Resources and Development*, organized by the Department of Geography, The University of Burdwan, November 11-13, 2011.
 14. Presented paper entitled Reducing Flood Risk and Vulnerability in Lower Dwarakeswar-Mundeswari Interfluvium, West Bengal, India in 34th Indian Geography Congress held on 2-4 November 2012 at the Department of Geography, **Patna University**, Bihar.
 15. Presented paper entitled Teaching and Research at the University Level: My Experience in the Symposium of 34th *Indian Geographers Meet and National Conference* on Natural Resource Management and Decentralized Planning held on 12th December 2012 at the Centre for Earth Science Studies, **Thiruvananthapuram**.
 16. Presented paper entitled Origin and Work Status of Child Labourers: A Case Study of Howrah Slum in West Bengal, India in 34th Indian Geographers Meet and National Conference on Natural Resource Management and Decentralized Planning held on 13-15 December 2012 at the Centre for Earth Science Studies, **Thiruvananthapuram**.
 17. Disparities in Educational Status in Mayurbhanj District, Odisha in *National Seminar on Sustainability and Inclusiveness: India's Development Trajectory*, organized by Department of Applied Geography, **Ravenshaw University**, Cuttack, November 8-9, 2014.
 18. Disparities in Socio-economic Conditions and Quality of Life in Tribal Areas of Odisha with special reference to Mayurbhanj, 36th *Indian Geography Congress on Urban Systems, Rural Livelihoods Security and Resource Management*, organized

- by the Department of Geography, **University of Rajasthan**, Jaipur, November 17-19, 2014.
19. Mapping of groundwater potential zones in hard rock terrain using Geoinformatics: A case of Kumari Watershed in Western part of West Bengal, **UGC-SAP-DRS National Seminar on Dimensions of Resources and Development in the Western Region of West Bengal**, organized by the Department of Geography, **The University of Burdwan**, 26-27 February 2015.
 20. Physical Environment Impact Assessment of Floods: A Case Study of Darakeswar-Mundeswari Interfluvium in West Bengal in **37th Indian Geography Congress on Tourism, Resources, Environment and Development using GIS and Remote Sensing Techniques**, organized by the Department of Geography, **University of Jammu**, December 2-4, 2015.
 21. Flood Hazards in Rarh Bengal Plain, Eastern India, **29th IGI Conference on Geomorphology and Natural Hazards**, 24th-27th November 2016, organized by the Department of Geography, **University of Calcutta**.
 22. Comparative Study of Socio-Economic Development between Permanent SC Population and Refugee SC Population: A Micro Level Case Study in Burdwan District, West Bengal, India, **38th Indian Geographers Meet on Sustainable Earth Resources Development**, 18th – 20th March 2017, organized by School of Earth Sciences, Banasthali University, Rajasthan.
 23. Ecological Status of a Micro-Level Wetland in Bardhaman District, West Bengal, **38th Indian Geographers Meet on Sustainable Earth Resources Development**, 18th – 20th March 2017, organized by School of Earth Sciences, Banasthali University, Rajasthan.
 24. Cultural Globalization and Cultural Change: A Critical Insight, National Seminar on *Recent Trends in Human Geography*, organized by Department of Geography, **Savitribai Phule Pune University**, 22-23 September 2017.
 25. *National Workshop on Syllabus Restructuring of Papers Related to Human Geography*, organized by Department of Geography, **Savitribai Phule Pune University**, 24 September 2017.

26. Presented paper entitled Geomorphic control over settlement distribution: A case study of Purulia District, West Bengal, **39th Indian Geography Congress** on *Future Cities, Sustainable Development and Geospatial Technologies*, 5-7 December 2017, organized by Department of Geography, **Osmania University**, Hyderabad.
27. Presented paper entitled Traditional Belief: An Impediment for Tribal Development in Manbazar-II Block of Puruliya District, West Bengal, **39th Annual Meet and Conference of Institute of Indian Geographers (IIG)** on *Population, Environment and Sustainable Development*, Department of Applied Geography, **Ravenshaw University**, Cuttack, December 26-28, 2017.
28. Presented paper entitled Climate Change Impacts on Food Security: Global Scenario and Indian Situation, **Climate Change Conclave 2018** & National Seminar on Climate Actions for India's Commitment to Combat Climate Change, Conference Centre, University of Delhi, organized by **Shaheed Bhagat Singh Evening College**, New Delhi, April 21-22, 2018.
29. Presented paper entitled Water Resources of the Jhalda River Basin and Its Impact on Agriculture, 31st IGI Conference & National Seminar on *Applications of Geospatial Technology in Geomorphology and Environment*, November 12-14, 2019, organized by the Department of Geography and Applied Geography, **University of North Bengal**.
30. Presented paper entitled Spatial Estimation of Soil Erosion Susceptibility in the Irga Watershed: A Quantitative Analysis, in the **35th National Conference of IGI** on *Geomorphology, Environment and Management*, 25-27 November 2023, organized by the Centre for the Study of Regional Development, School of Social Sciences, **Jawaharlal Nehru University**, New Delhi.
31. Presented paper on Quality of Living Environment in Urban Conditions: The Case of Siliguri Municipal Corporation, West Bengal, India, **45th Indian Geography Congress** on *Environment, Development and Sustainability: The Exigency of Geography for a Resilient Future*, 14-16 December 2023, organized by the Department of Geography, **Savitribai Phule Pune University**.

Grants

1. IGU Travel Grants for Young Geographers, 1996, for attending *28th International Geographical Congress*, Hague, **The Netherlands**.
2. INSA Travel Grants for attending *33rd International Geographical Congress*, 21st – 25th August 2016, Beijing, **China**.

Awards

1. **Rashtrapita Rashtriya Samman: Best Professor of the Year 2023**, Global Scholars Foundation, Pune
2. **Indian Education Award 2023**, Hypedge Media Group, Jaipur, Rajasthan.

Position in Academic Bodies of Geography in Universities

1. **Member**, PG Board of Studies in Geography, Kazi Nazrul University, Asansol
2. **Member**, PG Board of Studies in Geography, Bankura University, Bankura
3. **Member**, Board of Studies in Geography, Visva Bharati, Santiniketan
4. **Member**, PG Board of Studies in Geography, Cooch Behar Panchanan Barma University
5. **Member**, PG Board of Studies in Geography, Vivekananda College, Madhyamgram (under West Bengal State University)
6. **Member**, PG Board of Studies in Geo-informatics, Bankura University, Bankura
7. **Member**, Board of Research Studies in Geography, Bankura University
8. **Member**, Board of Research Studies in Geography, University of Gour Banga, Malda
9. **Member**, Board of Research Studies in Geography, Kazi Nazrul University, Asansol
10. **Member**, Board of Research Studies in Geography, TDB College, Raniganj (under Kazi Nazrul University, Asansol)
11. **Academic Expert** of the Board of Studies of Post Graduate Diploma in Geospatial Data Analytics under UGC National Skill Qualification Framework (NSQF), Kazi Nazrul University, Asansol.

Honourable Position in Organizations

1. **First Fifty Founder** Club Member & Regional Co-ordinator (Eastern India), *International Geographical Union: Commission on Geography of Commercial Activities*, 1992-1996.
2. **Member** of the National Executive Committee (2009-2012), *National Association of Geographers, India* (NAGI), New Delhi.
3. **Vice-President** (North-Eastern Region), *National Association of Geographers, India* (NAGI), New Delhi (2011-12, 2012-13, 2013-14 & 2019-20).
4. **Secretary**, Institute of Indian Geographers (IIG), Pune (2016-19)
5. **Secretary**, Association of Bengal Geographers (ABG) (since 2014)
6. **Editor**, *Contemporary Geographer* (Journal of ABG)
7. **Member** of Editorial Board, *Indian Journal of Landscape Systems and Ecological Studies*, Kolkata (2007 onwards).
8. **Member** of Advisory Board, *Earth Surface Review*, Gorakhpur (2010 onwards).
9. **Member** of Editorial Board, *ENSEMBLE*, Dr. Meghnad Saha College, Itahar, West Bengal.
10. **Member** of Editorial Board, *Advance Journal of Humanities and Social Sciences*, Midnapore College (Autonomous), West Bengal.
11. **Member** of Editorial Board, *Geographical Perspective*, Patna
12. **Reviewer**, European Scientific Journal, *Geographical Review of India*, Springer Book Proposal.
13. **NAAC Assessor**, NAAC, Bangalore.
14. **Member Coordinator**, NAAC Peer Team Visit to HEI, May 2023.
15. **Member Coordinator**, NAAC Peer Team Visit to HEI, September 2023.
16. **Steering Committee Member**, International Geographical Union (IGU) Commission on Research Methods in Geography.

Expert Members in Different Universities and Other Government Organizations

1. *Member* of the Panel of Experts in Geography, **CGSET**, Chhattisgarh, April 2017.
2. *Member* of the Panel of Experts, **UPSC**, New Delhi, September 2018.
3. *Member* of the Panel of Experts in Geography, **MHSET**, Maharashtra, February 2019.
4. *Member* of the Panel of Experts in Geography, **WBCSC**, West Bengal, 2019.
5. *Chairman* (Vice Chancellor's Nominee), Selection Committee for the recruitment of Faculty in Geography, **Raiganj University**, West Bengal, 18th January 2018.
6. *Chairman* (Vice Chancellor's Nominee), Selection Committee for the recruitment of Faculty in Geography, **Raiganj University**, West Bengal, 31st July 2018.
7. *Chancellor's Nominee*, Selection Committee for the recruitment of Faculty in Geography, **Kazi Nazrul University**, West Bengal, 21st – 23rd October 2018.
8. *Chancellor's Nominee*, Selection Committee for the recruitment of Faculty in Geography, **Kazi Nazrul University**, West Bengal, 27th February 2020.
9. *Expert* in the Selection Committee for the recruitment of Faculty in Geography, **Fakir Mohan University**, Balasore, Odisha, 12th & 13th March 2020.
10. *Expert* in the Selection Committee for the placement of Faculty in Geography, **Raiganj University**, West Bengal, 22nd January 2021.
11. *Chancellor's Nominee*, Selection Committee for the recruitment of Faculty in Geography, **Kazi Nazrul University**, West Bengal, 29th January 2021.
12. *Expert* in the Selection Committee for the promotion of Faculty in Geography, **University of Delhi**, 5th April 2021.
13. *Expert* in the Screening Committee for the promotion of Faculty in Geography, **Jadavpur University**, West Bengal, 18th June 2021.
14. *Expert* in the Review Meeting of the Selection Committee for the placement of Faculty in Geography, **Raiganj University**, West Bengal, 22nd July 2021.
15. *Expert* in the Review of Project Report, **ICSSR**, New Delhi, 2022.

16. *Roving Observer*, WBJEE, West Bengal Joint Entrance Board, 2022.
17. *Roving Observer*, WBJEE, West Bengal Joint Entrance Board, 2023.
18. *Expert* in the Selection Committee for the promotion of Faculty in Geography, **Jadavpur University**, West Bengal, 10th November 2023.

Members of Academic Organisations

1. Life Member, Indian Science Congress Association, Calcutta
2. Life Member, Geographical Society of India, Calcutta
3. Life Member, Institute of Landscape, Ecology & Ekistics, Calcutta
4. Life Member, Regional Science Association, Calcutta
5. Life Member, National Association of Geographers, India, Delhi
6. Life Member, Indian Council of Geographers, Bhubaneswar
7. Life Member, Indian Institute of Geomorphologists, Allahabad
8. Life Member, Institute of Indian Geographers, Pune
9. Life Member, Indian National Cartographic Association, Hyderabad
10. Life Member, Asian Environmental Council, Jaipur
11. Life Member, Akhil Bharat Bhuvvidya O Paribesh Samiti, Santiniketan
12. Life Member, Indian Society of Remote Sensing, Dehradun
13. Life Member, Eastern Geographical Society, Bhubaneswar
14. Life Member, Geographical Society of the North-Eastern Hill Region, Shillong
15. Life Member, Indian Geographical Foundation, Kolkata
16. Life Member, Geographical Development Research Institute, Gorakhpur
17. Life Member, Bharata Vidya Charcha Kendra, Burdwan
18. Life Member, National Geographical Society of India, Varanasi
19. Life Member, Indian Association of Hydrologists, Roorkee
20. Life Member, Himalayan Geology, Dehradun
21. Life Member, The Association for Geographical Studies, Delhi
22. Founder Life Member, Association of Bengal Geographers, Burdwan
23. Life Member, Indian Meteorological Society, Kolkata
24. Life Fellow, Indian Social Science Academy, Allahabad
25. Life Member, Bangladesh National Geographical Association, Savar, Dhaka

26. Lifetime Fellow Member, International Society for Development and Sustainability (ISDS), Japan
27. Founder Life Member, Society for Pathways to Sustainability (PathS), Gurgaon
28. Life Member, Indian Human Ecology Council, Jaipur
29. Life Member, West Bengal Museum Association
30. Associate Member, Bhoovigyan Vikas Foundation, New Delhi
31. Member, World Wide Fund for Nature-India, New Delhi
32. Member, The Deccan Geographical Society, India

Country Visited

Nepal (1994), **Sri Lanka** (2012), **Bangladesh** (2013), **Thailand** (2013), **Russia** (2015), **China** (2016), **Japan** (2016) and **Thailand** (2017).