



Dr. Indrajit Roy Chowdhury

Ph.D.

Assistant Professor

Life Member -Members of: Deccan Geographers, Pune, National Association of Geographers, India (NAGI), Institute of Landscape, Ecology and Ekistics (ILEE), Kolkata

**Contact Address:**

**Contact No.** +91-9874834951, +91-8910562619

**Mailing Address** Department of Geography and Applied Geography, University of North Bengal, P.O- NBU, Dist- Darjeeling, West Bengal, Pin -734013, India.

E-Mail ndrjt.roychoudhury@gmail.com

**Subject Specialization:** Regional Planning and Development, Urban Geography, Population Geography, Environmental Geography, Urban and Transport Geography, Remote Sensing & GIS.

**Areas of Research Interest:** Remote sensing & GIS, Social Geography, Cultural Geography, Geography of Rural development, Human Geography, Geography of Tourism, Regional Planning and Development.

**No. of Ph.D. students:** (a) Supervised: Nil (b) **Ongoing:** 05. **No. of M.Phil. Students:** (a) Supervised: Nil (b) **Ongoing:** 02.

**No. of Publications:** (a) **Journal(s):** 23 (b) **Book/Chapters:** 28 (c) **Book Authored/Edited:** 1

**No. of M.Sc. Dissertation:** (a) Supervised: 32.

**List of M.Sc. Supervised Dissertation:**

1. Ruchika Saha & Dr. Indrajit Roy Chowdhury (2020) :*A Study On City Development Plan In Calangute And Adjacent Area, Under Mapusa Municipality, Goa: Geo Planning Perspective*
2. Subhanita Ghosh & Dr. Indrajit Roy Chowdhury (2020): *A Study On Solid Waste And Its Management In Calangute And Adjacent Area Under Mapusa Municipality, Goa.*
3. Aswini Kumar Saha & Dr. Indrajit Roy Chowdhury (2020) : *A Geographical Study On Educational Status In Calangute And Adjacent Area Of Mapusa Municipality, Goa*
4. Priyanka Roy & Dr. Indrajit Roy Chowdhury (2020) : *Availibility Of Urban Amenities And Challenges: A Case Of Calangute And Adjacent Area Under The Jurisdiction Of Mapusa Municipality, Goa*

5. Suity Ghosh & Dr. Indrajit Roy Chowdhury (2020): *A Geographical Study On Beach Tourism In Calangute And Adjacent Area Under Mapusa Municipality, Goa.*
6. Bikram Basak & Dr. Indrajit Roy Chowdhury (2020): *A Study On Health Status And Its Challanges: A Case Study On Calangute And Adjacent Area Under Mapusa Municipality, Goa.*
7. Mousumi Das & Dr. Indrajit Roy Chowdhury (2020): *Vehicular Emission And Its Impact On Environment: A Case Of Calangute And Adjacent Area Under Mapusa Municipality, Goa.*
8. Rakesh Das & Dr. Indrajit Roy Chowdhury (2020): *Availibility Of Urban Amenities And Challenges: A Case Of Calangute And Adjacent Area Under The Jurisdiction Of Mapusa Municipality, Goa.*
9. Sharmi Das & Dr. Indrajit Roy Chowdhury (2020): *Traffic Connectivity Scenario in Calangute and Adjacent Area Under The Jurisdiction of Mapusa Municipality, Goa.*
10. *Sushmita Sarkar & Dr. Indrajit Roy Chowdhury (2020): Availibility of Water Supply and Sanitation facilities: A Case of Calangute and Adjacent Area under the Jurisdiction of Mapusa Municipality, Goa.*
11. Barnali Biswas & Dr. Indrajit Roy Chowdhury (2019): *Status of Solid Waste Generation and Management Practice in Visakhapatnam Municipal Corporation.*
12. Amlan Maitra & Dr. Indrajit Roy Chowdhury (2019): *A geographical Account on Urban Plan and its Implication in Visakhapatnam City.*
13. Urmi Saha Chowdhury & Dr. Indrajit Roy Chowdhury (2019): *An Overview of Educational Status in Visakhapatnam City: Empirical Study.*
14. Mouli Sarkar & Dr. Indrajit Roy Chowdhury (2019): *Measurement and Monitoring of Road Traffic Congestion along the Beach Road of Vizag City.*
15. Koushik Das & Dr. Indrajit Roy Chowdhury (2019): *Scenario of Vehicular Pollution and its Effect on Human Health in Visakhapatnam City.*
16. Bandana Sarkar & Dr. Indrajit Roy Chowdhury (2019): *A Study on Health Status in Visakhapatnam City: Problem and Prospect.*
17. Amlan Maitra & Dr. Indrajit Roy Chowdhury (2018): *A Comparative Study on Urban Planning of Chandigarh And Amritsar City: A Geographical Analysis.*

18. Ashish Ghosh & Dr. Indrajit Roy Chowdhury (2018): *Traffic Congestion and its Impact on Environment: A Geo-Environmental Study Between Chandigarh and Amritsar.*
19. Santanu Chanda & Dr. Indrajit Roy Chowdhury (2018): *Measurement and Monitoring of Road Traffic Congestion at Siliguri Air View More Traffic Intersection Point: A Geo-Planning Perspective.*
20. Koushik Das & Dr. Indrajit Roy Chowdhury (2018): *An Overview on Water Supply and Sanitation Facilities of Chandigarh and Amritsar: Challenges and Concerns.*
21. Krisna Barman & Indrajit Roy Chowdhury (2018): *Solid Waste Management in Chandigarh and Amritsar: Practices and Challenges.*
22. Madhumita Sarkar & Dr. Indrajit Roy Chowdhury (2018): *Comparative Study on Urban Morphology of Chandigarh and Amritsar City: A Geographical Analysis.*
23. Nishikanta Majumdar, & Dr. Indrajit Roy Chowdhury (2018): *Connectivity and Accessibility of Transport Infrastructure in Chandigarh and Amritsar City: A Spatio-Comparative Study.*
24. Rasan Ali & Dr. Indrajit Roy Chowdhury (2018): *Health Care Infrastructure in Chandigarh and Amritsar: A Geo – Environmental Perspective.*
25. Subhajit Pradhan & Dr. Indrajit Roy Chowdhury (2018) : *A Geo Planning Appraisal of Acute Water Scarcity and Associated Problems in The Selected Community Development Blocks of Bankura District, West Bengal.*
26. Swaraj Bhattacharjee & Indrajit Roy Chowdhury (2018): *Tourism in Chandigarh and Amritsar City: Potentialities, Problems and Possibilities.*
27. Tanmay Mandal & Indrajit Roy Chowdhury (2018): *Rural Infrastructural Scenario in Aushgram I and II, Burdwan District, West Bengal.*
28. Jaya Mandal & Indrajit Roy Chowdhury (2018): *Traffic Congestion Scenario in Darjeeling More Under the Jurisdiction of Siliguri Municipal Corporatio.*
29. Sreeparna Basak & Dr. Indrajit Roy Chowdhury (2018): *Vehicular Emission and its Impact on Environmental Impact: A Spatio – Comparative Study between Chandigarh and Amritsar City.*
30. Lucky Tirkey & Dr. Indrajit Roy Chowdhury (2018): *An Overview of Educational Infrastructure in Chandigarh and Amritsar: A Geographical Study.*

31. Tarik Arifa & Dr. Indrajit Roy Chowdhury (2018): *An Overview of Environmental problem in Chandigarh and Amritsar: A Geographical study.*
32. Deepika Ghosh & Dr. Indrajit Roy Chowdhury (2018): *An Appraisal of Urban Renewal Mission: A Case Study on Implication of Urban Renewal Programme and its Prospects in Chandigarh and Amritsar.*

### ***Edited Books/ Monographs***

- *Contemporary Regional Problems: Issues and Challenges* (2020): Edited by Dr I. R. Chowdhury (Chief Editor) and Arghadeep Bose, Debanjan Basak, Mijanur Rahaman (Sub-Editors), Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7.

### ***Achievement & Awards:***

- Young Scientist Award, International Conference, Organised by Department of Chemistry, Tribhuvandas University, Kathmandu, Nepal, December 2015.
- Best Paper Achievement Award in Social Science Category in 3rd Regional Science and Technology Congress, Department of Science, Technology and Bio-Technology, Government of West Bengal, 2018.

### ***Professional & Certificate Experience in Statistics & GIS and Remote Sensing:***

#### ***Statistics:***

1. Passed a certificate course on “Understanding SPSS & its Application in Research”, Organised A.K Dasgupta Centre for the Planning and Development, Visva-Bharati, Santiniketan held on 4th to 8th September 2018.
2. Passed a certificate course on “2nd Workshop on Statistical Techniques Used in Research”, Organised by Department Of Statistics, The University of Burdwan, held on 21st to 24th February 2017.

#### ***GIS & Remote Sensing:***

1. One Week AICTE Sponsored *Online Short Term Training Programme on Basic of Remote Sensing, Geographical Information System (GIS) and Global Navigation Satellite System (GNSS)*, Organised by Francis Xavier Engineering College, 21-26 September 2020
2. Passed a certificate course on “Introduction to Digital Photogrammetry”, Organised by National Remote Sensing Centre (NRSC), Hyderabad, held on 22nd to 26th August 2016.
3. Passed a certificate course on “*Open Source Software-Q- GIS*”, Organised by Webel and Opsi System, Kolkata, held on 18<sup>th</sup> May To 19<sup>th</sup> June 2016.
4. Passed a certificate course on “*Open Source Software-Q- GIS*”, Organised by Webel and Opsi System, Kolkata, held on 18th May To 19th June 2016. Passed a certificate

course on “Workshop on GPS and Total Station Survey” Organised by Webel and Opsis System, Kolkata, held on 18th And 19th June 2016.

5. Passed a certificate course on “Certificate on Remote Sensing and GIS on 21st Century Software” Organised by 21st Century GIS Academy, Kolkata, held on May 2014 to September 2014.

### **Administrative Experiences:**

1. Organised Two Days National Seminar on “*Environment, Development and Sustainability*” as an Organising Secretary at North Bengal University, Jalpaiguri Campus, March, 2019.
2. Co-investigator, UGC SAP DRS-II programme on Disaster Management in Sub-Himalayan North Bengal, 2016-2021.

### **Funded Project:**

1. University of North Bengal Funded Research Project entitled on” *Homestay Tourism in North Bengal: Problems and Potentialities*” , Vide Reference memo no. 2048/ R-2020 dated 03/ 07/ 2020, FY 2020-2021.

### **Book Chapters:**

1. Chowdhury Debararati & Chowdhury I. R. (2020) : *An Assessment of the Status of Household Solid Waste and its Management : A Case Study of Jalpaiguri Municipality, West Bengal, India: An Insight*, Environmental Sustainability in the 21<sup>st</sup> Century: Emerging Issues and the Way Forward, Ranjan Sarkar (Edited)) Namaya Press , New Delhi, ISBN: 978-81-947715-1-7 pp. 343-355
2. Kayal Prasenjit & Chowdhury I. R. (2020) : *Role of Micro Finance in Empowering Rural Women : An Empirical Study of Falta C.D Block, South 24Parganas District, West Bengal* , Geography in the 21<sup>st</sup> Century: Emerging Issues and the Way Forward, Ranjan Sarkar (Edited)) Namaya Press , New Delhi, ISBN: 978-81-947715-9-3 pp. 135-158
3. Bose Arghadeep, Mandal Gautam & Chowdhury I. R. (2020) : *A Study on Inter Block Level Regional Disparity Analysis of Uttar Dinajpur District, West Bengal* , Geography in the 21<sup>st</sup> Century: Emerging Issues and the Way Forward, Ranjan Sarkar (Edited)) Namaya Press , New Delhi, ISBN: 978-81-947715-9-3 pp. 225-249.
4. Basak Debanjan & Chowdhury I. R. (2020) : *Economic Performance Analysis and Problems of Selected Micro, Small and Medium Scale Industry(MSME): A Study of Mathabhanga Municipality* , Cooch Behar District, West Bengal, Geography in the 21<sup>st</sup> Century: Emerging Issues and the Way Forward, Ranjan Sarkar (Edited)) Namaya Press , New Delhi, ISBN: 978-81-947715-9-3 pp. 249-274

5. Majumder Suranjan & Chowdhury I. R. (2020) : ***Gender Disparity in Literacy Status : A Case Study of Nadia District, West Bengal, India*** , Education in the 21<sup>st</sup> Century: Emerging Issues and the Way Forward, Ranjan Sarkar (Edited)) Namaya Press , New Delhi, ISBN: 978-81-947715-8-6 pp. 206-232
6. Kayal Prasenjit & Chowdhury I. R. (2020) : ***Role of Micro Finance in Empowering Rural Women : An Empirical Study of Falta C.D Block, South 24Parganas District, West Bengal*** , Geography in the 21<sup>st</sup> Century: Emerging Issues and the Way Forward, Ranjan Sarkar (Edited)) Namaya Press , New Delhi, ISBN: 978-81-947715-9-3 pp. 135-158
7. Rahaman Mijanur & Chowdhury I. R. (2020) : ***Assessment of Urban Infrastructure Facilities and Developmental Prospect of Haldibari Municipality: A Geo Planning Perspective*** , Contemporary Issues of Urbanisation in North Bengal, Arindam Basak (Edited)) LAP Lambert Academic Publishing, ISBN: 978-620-2-80140-9 pp. 37-78
8. Chowdhury I. R. (2020): ***Measurement and Monitoring of Road Traffic Congestion at Siliguri: A Geographical Perspective***, Contemporary Issues of Urbanisation in North Bengal, Arindam Basak (Edited)) LAP Lambert Academic Publishing, ISBN: 978-620-2-80140-9 pp. 93-162
9. Chowdhury I. R. (2020): ***Future Exploration of AMRUT Mission: A New Initiative for Urban Good Governance in West Bengal, India***, Sustainable Urbanisation in East India: Presents Trends and Future Concerns, Prabir Kumar Kundu (Edited)) Levant Books, Sarat Book Distributors, ISBN: 978-93-2-88099-43-4 pp. 93-162
10. Maitra Amlan & Chowdhury I. R. (2020): ***A Comparative Study on Urban Planning of Chandigarh and Amritsar City: A Geographical Analysis***, Contemporary Regional Problems: Issues and Challenges, Chowdhury I. R. et al. (Edited)) Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7 pp. 1-41
11. Ghosh Ashis & Chowdhury I. R. (2020): ***Traffic Congestion and its Impact on Environment: A Geo-Environmental Study between Chandigarh and Amritsar***, Contemporary Regional Problems: Issues and Challenges, Chowdhury I. R. et al. (Edited)) Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7, pp. 42-96
12. Chanda Santanu & Chowdhury I. R. (2020): ***Measurement and Monitoring of Road Traffic Congestion at Siliguri Air View More Traffic Intersection Point: A Geo-Planning Perspective***, Contemporary Regional Problems: Issues and Challenges, Chowdhury I. R. et al. (Edited)) Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7, pp.97-121
13. Das Koushik & Chowdhury I. R. (2020): ***An Overview on Water Supply and Sanitation Facilities of Chandigarh and Amritsar: Challenges and Concerns***, Contemporary Regional Problems: Issues and Challenges, Chowdhury I. R. et al. (Edited)) Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7, pp. 122-173
14. Barman Krishna & Chowdhury I. R. (2020): ***Solid Waste Management in Chandigarh and Amritsar: Practices and Challenges***, Contemporary Regional Problems: Issues and Challenges, Chowdhury I. R. et al. (Edited)) Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7, pp. 174-224
15. Sarkar Madhumita & Chowdhury I. R. (2020): ***Comparative Study on Urban Morphology of Chandigarh and Amritsar City: A Geographical Analysis***,

- Contemporary Regional Problems: Issues and Challenges, Chowdhury I. R. et al. (Edited)) Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7, pp. 225-276
16. Majumdar Nishikanta & Chowdhury I. R. (2020): ***Connectivity and Accessibility of Transport Infrastructure in Chandigarh and Amritsar City: A Spatio- Temporal Study***, Contemporary Regional Problems: Issues and Challenges, Chowdhury I. R. et al. (Edited)) Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7, pp.277-343
  17. Ali Rasan & Chowdhury I. R. (2020): ***Health Care Infrastructure in Chandigarh and Amritsar: A Geo Environmental Perspective***, Contemporary Regional Problems: Issues and Challenges, Chowdhury I. R. et al. (Edited)) Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7, pp.344-374
  18. Pradhan Subhajit & Chowdhury I. R. (2020) : ***A Geo-Planning Appraisal of Acute Water Scarcity and Associated Problems in Selected CD Blocks of Bankura District, West Bengal***, Contemporary Regional Problems: Issues and Challenges, Chowdhury I. R. et al.(Edited)) Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7, pp375-398
  19. Bhattacharjee Swaraj & Chowdhury I. R. (2020): ***Tourism in Chandigarh and Amritsar City: Potentialities, Problems and Possibilities***, Contemporary Regional Problems: Issues and Challenges, Chowdhury I. R. et al. (Edited)) Rajesh Publication, New Delhi, ISBN: 978-81-84687-25-7, pp. 399-467
  20. Chowdhury, I.R (2020):***Retrospective Implementation of Smart City Mission : A Case Study of Vijag City***, Andhra Pradesh, , Application of Geospatial Technology in Geomorphology and Environment, IGI Seminar Proceedings, University of North Bengal, ISBN: 978-81-925799-3-1
  21. Prasenjit Kayal & Chowdhury, I.R (2020): ***Selected Indicators for Rural Development : A Case Study of Raiganj Community Development Block, Uttar Dinajpur District, West Bengal, India***, Socio Economic Development and Environmental Sustainability, The Indian Perspective, Edited By Dr. Ranjan Sarkar, Namya Press.com, ISBN: 978-93-90124-61-9.
  22. Chowdhury, I.R (2019): ***Man and Animal Conflict in Jharkhali Region with Special Reference to Sunderban Region***, Prasanga Sunderban, ISBN: 978-81-940447-0-3
  23. Chowdhury, I.R (2019): ***Eco-friendly Fuel Efficient Mode of Vehicles: An Alternative Planning for Mitigating Environmental Hazards in Siliguri***, Disaster Management in Sub-Himalayan North Bengal, Published by Registrar, University of North Bengal, ISBN 978-81-921692-9-3
  24. Chowdhury, I.R (2017): ***New Trends of Geo Spatial Building: Quantum Geographical Information System: A New Era of Globalisation, Relevance and Impact of Open Source Software in the Era of Globalisation***, Madhav Books (p) LTD. ISBN: 978-93-80615-35-6
  25. Chowdhury, I.R (2017): ***Air Conditioned Bus Services in Kolkata City: Environmental Impact***, Changing Scenario and Arising Conflict in Contemporary India, Pakhir Akash Prakashani, ISBN: 978-81-929234-8-2
  26. Chowdhury, I.R (2017): ***Identifying the Causes of Water Scarcity and Sustainable Water Conservation for Improving Livelihood in Bankura District, West Bengal***, Natural Resources Management for Sustainable Development and Rural Livelihoods



,Department of Geography Sciences and Natural Resource Management , Mizoram University, Today's and Tomorrow Publishers, New Delhi, Vol: 1, ISBN 81-7019-584-1 (India), 1-55528-434-5 (USA).

27. Chowdhury, I.R (2015): *Women Empowerment Through Self-Help Group : An Interface between Society and Economy at Satgachia P.S, Budge Budge (S) 24 Parganas*, Socio-Economic Impact of Cottage and Small Scale Industries in West Bengal with Special Reference to South 24 Parganas District, Proceedings of UGC Sponsored National Seminar, ISBN: 978-93-83010-26-4

### **Research Publication in Journals:**

1. Basak Debanjan & Roy Chowdhury, Indrajit (2020): *Achievement and Failure of MGNREGA( Financial Year: 2017-18) at Panchayat Level with Special Reference to Nishiganj Gram Panchayat, Mathabhanga II Block, Coochbehar District, West Bengal*, Geographical Thought, An Annual Journal of Department of Geography & Applied Geography, University of North Bengal, ISSN: 2229-466X, Volume: XVIII, 2020
2. Bose Arghadeep & Roy Chowdhury, Indrajit (2020): *Mukha: The Art of Wooden Mask Associated with Economic and Social Empowerment of the Rural Mukha Makers : A Case Study of Kushmandi Block, Dakshin Dinajpore*, Geographical Thought, An Annual Journal of Department of Geography & Applied Geography, University of North Bengal, ISSN: 2229-466X, Volume: XVII, 2019
3. Roy Chowdhury, Indrajit (2020): *Societal Representation of Folk Culture : A Case of Chhow Mask Makers in Charida Village, Purulia, West Bengal*, Geographical Thought, An Annual Journal of Department of Geography & Applied Geography, University of North Bengal, ISSN: 2229-466X, Volume: XVI, 2018
4. Bose Arghadeep & Roy Chowdhury, Indrajit (2020): *Monitoring and Modelling of Spatio temporal Urban Expansion and Land use / land cover change using markov chain model: A case Study in Siliguri Metropolitan Area, West Bengal, India*, Modelling earth System and Environment, Springer, ISSN: 2363-6203
5. Basak Debanjan & Roy Chowdhury, Indrajit (2019): *Geographical Accounts of Rural Livelihood and sustainability: A Case Study of Sital Pati makers of Ghugumari Village, Koch Bihar District*, International Journal of Research and Analytical Reviews (IJRAR), Volume 6, Issue 2, PP. 158- 166, ISSN: 2349-5138.
6. Bose Arghadeep & Roy Chowdhury, Indrajit (2019): *Impact of Expansion of Bypass Road for Asian Highway Development Project (AH) on Temporal Change detection of Land Use and Land Cover along the Linear Corridor of Siliguri-Jalpaiguri: A Geo-Spatial Analysis*, International Journal of Research and Analytical Reviews (IJRAR), Volume 6, Issue 2, PP. 176-190, ISSN: 2349-5138.
7. Rajbangshhi Nirmal & Roy Chowdhury, Indrajit (2019): *Man-Animal Conflict in North Bengal With Special Reference to Jharmatiali And Uttarkalamati Village Along The Forest Fringe Area of Gorumara National Park*, International Journal of



Research and Analytical Reviews (IJRAR), Volume 6, Issue 2, PP. 87-101, ISSN: 2349-5138.

8. Chanda Santanu & Roy Chowdhury, Indrajit (2019): ***Measurement and Monitoring of Road Traffic Congestion at Siliguri Air View More Traffic Intersection Point: A Geo-Planning Perspective***, International Journal of Research and Analytical Reviews, Vol: 6, Issue: 1, PP. 161-172, ISSN: 2349- 5138
9. Pradhan Subhojit & Roy Chowdhury, Indrajit (2019): ***A Geo-Planning Appraisal of Acute Water Scarcity and Associated Problems in Selected CD Blocks of Bankura District: West Bengal***, International Journal of Research and Analytical Reviews, Vol: 6, Issue: 1, PP. 173-187, ISSN: 2349-5138
10. Roy Chowdhury, Indrajit (2019): ***Rural Planning and Associated Development: A Micro Level Case Study of Aushgram I and II Block, Burdwan district, West Bengal***, International Journal of Basic and Applied Research, ISSN: 2278-0505
11. Kayal Prosenjit & Roy Chowdhury, Indrajit (2018): ***Level of Human Development of Raiganj C.D Block, Uttar Dinajpur District, West Bengal: A Geographical Analysis***, International Journal of Research and Analytical Reviews, Vol: 5, Issue: 4, PP. 619-628, ISSN: 2349-5138
12. Ghosal Soumik & Roy Chowdhury, Indrajit (2018): ***Land Degradation and its Possible Consequences on the Environment: A Case Study of Amta Gram Panchyat, Haora, West Bengal***, International Journal of Research and Analytical Reviews, Vol: 5, Issue: 4, PP. 619-628, ISSN:2349-5138.
13. Chowdhury, I.R (2018): ***Future Prospect of AMRUT: A New Initiative for Good Governance in Urban Spheres of West Bengal***, The Observer, The Students Geographical Association, Department of Geography, University of Calcutta, Vol:53, ISSN: 2230-9535.
14. Chowdhury, I.R (2017): ***Profile of e-rickshaw Services as a Green Mode of Transport: A Case Study of Andul- Mouri Suburban Area, Howrah*** The Observer, The Students Geographical Association, Department of Geography, University of Calcutta, Vol:53, ISSN: 2230-9535
15. Chowdhury, I.R & Chatterjee Riyanka (2016): ***Development and Environment: Are They Contradictory? A Case Study of Manali Town***, The Observer, The Students Geographical Association, Department of Geography, University of Calcutta, Vol:53, ISSN: 2230-9535

16. Chowdhury I. R (2016): *Scenario of Traffic Noise Pollution and its Impact on Human Health: An Empirical Case Study of Kolkata City*, International Journal of Current Research, Vol: 8, Issue: 06, June, ISSN: 0975-833X
17. Chowdhury, I.R (2016): *Scenario of On Street Parking Demand: A Case Study of Kolkata City, India*, Research Journal of Recent Science, International Science Community Association, Vol: 5, ISSN-2277-2502.
18. Chowdhury, I.R (2015) : *Implementation of Inclusive Practices: A way Towards Comprehensive School Reforms: A Case Study of Blooming Dale Academy*, Evolving Horizon, An Interdisciplinary Journal of Education, Humanities, Social and Behavioural Sciences, Satyapriya Roy College of Education, Vol:4, November, ISSN:2319-6521.
19. Chowdury, I.R (2015): *Traffic Congestion and Environmental Quality: A Case Study of Kolkata City*, International Journal of Humanities and Social Science Invention (IJHSSI), Invention Journal, Volume: 4, Issue:7, p-ISSN: 2319-7714.
20. Chowdury, I.R & Saha Biswajeet (2015): *Impact of Facebook as a Social Networking Site on Youth Generation: A Case Study of Kolkata City* , International Journal of Humanities and Social Science Invention (IJHSSI), Invention Journal, Volume: 4, Issue:6, p-ISSN: 2319-7714.
21. Chowdury, I.R (2015): *Scenario of Vehicular Emission and its Effect on Human Health: A case Study of Kolkata City*, International Journal of Humanities and Social Science Invention (IJHSSI), Invention Journal, Volume: 4, Issue:5, p-ISSN: 2319-7714.
22. Chowdury, I.R (2014): *Sarva Siksha Mission and Primary Education in Kolkata: Changes and Challenges*, International Journal of Humanities and Social Science Invention (IJHSSI), Invention Journal, Volume: 3, Issue: 2, p-ISSN: 2319-7714.
23. Chowdhury, I.R (2010): *Mass Transport Services in Kolkata City*, Indian Journal of Landscape System and Ecological Studies, Vol: 33, Issue: 1

### **Details of Conferences & Seminar:**

#### **Conferences & Seminars:**

1. Roy Chowdhury, Indrajit (2008): “*A Way to Rural Development at Kotghi Village in Rudraprayag District*” *Poverty and Development in South Asia*, International Seminar, Organised by ILEE, University of Calcutta.
2. Roy Chowdhury, Indrajit (2010): “*Vehicular Emissions and Its Effect on Human Health in Kolkata City*” *Ganga Delta: Planning Perspective*, National Seminar, Organised by SAP DRS I, Department of Geography, University of Calcutta

3. Roy Chowdhury, Indrajit (2010): ***“Modern Methods for the Study of Human Development Prospect Rudraprayag, Auli Areas, Uttaranchal”*** Research Method and Techniques for Sustainable Development in India, National Conference, Organised by ILEE, University of Calcutta.
4. Roy Chowdhury, Indrajit (2011): ***“Efficiency of Bus Services and Its Role on Rural Urban Linkages”*** Technology, Energy and Sustainable Rural Development, International Conference, Organised by Benaras Hindu University
5. Roy Chowdhury, Indrajit (2011): ***“Case Study on Pollution Status, Nature and Its Management on Bhagirathi-Hoogli River in West Bengal”*** Natural Resource Management, National Seminar, Organised by SAP DRS I, Department of Geography, University of Calcutta.
6. Roy Chowdhury, Indrajit (2011): ***“Mass Transport and Vehicular Emission in Kolkata City”*** *Transport In Kolkata: Problem and Policies*, National Conference, Organised by Department of Economics, University of Calcutta
7. Roy Chowdhury, Indrajit (2012): ***“Waste Water Treatment and Management: A Case Study of East Kolkata Wetland”*** Dimensions of Development and Resource Conservation, International Seminar, Organised by East Kolkata Wetland Development Board, Kolkata
8. Roy Chowdhury, Indrajit (2012): ***“Slums as a Hindrance to Urban Growth: A Case Study of Kolkata City”*** National Association of Geographers India (NAGI) 33<sup>rd</sup> Indian Geography Congress, National Conference.
9. Roy Chowdhury, Indrajit (2012): ***“Cycle Rickshaw as a Green Vehicle: A Case Study of Kolkata City”*** IGU Conference, Kerala, National Conference, Organised by Institute of Social Science Studies, Kerala.
10. Roy Chowdhury, Indrajit (2013): ***“Effect of Vehicular Emission on Human Health: A Case Study of Kolkata City”*** IIG Conference Rohtak, Haryana, International Conference.
11. Roy Chowdhury, Indrajit (2014): ***“Sarva Siksha Mission and Primary Education in Kolkata”*** Osmania University, Hyderabad, National Conference.
12. Roy Chowdhury, Indrajit (2014): ***“Scenario of Inclusive Education: A Case Study of Blooming Dale Academy, Kolkata”*** All Bengal Teacher’s Training Institute, National Conference.
13. Roy Chowdhury, Indrajit (2014): ***“On Street Parking Scenario in Kolkata City”*** National Seminar, Organised by ILEE, University of Calcutta.
14. Roy Chowdhury, Indrajit (2015): ***“Effect of Vehicular Emission on Human Health: A Case Study of Kolkata City”*** National Seminar, Organised by SAP DRS II, Department of Geography, University of Calcutta.
15. Roy Chowdhury, Indrajit (2015): ***“Globalisation and Inclusive Education: Looking Beyond Sustainable Development”*** Organised by Cumming University China, International Conference.
16. Roy Chowdhury, Indrajit (2015): ***“Women Empowerment through Self-Help Group: A Case Study of Satgachia Ps, Budge Budge, and South Twenty Four Parganas”*** Organised by Department of Geography, Raidighi College, National Conference.

17. Roy Chowdhury, Indrajit (2015): ***“Water Quality Assessment of Barapani Lake near Shillong City”*** Organised by Department of Geography, Women Christian College, National Conference.
18. Roy Chowdhury, Indrajit (2015): ***“Traffic Congestion Scenario and Environmental Quality: A Case Study of Kolkata City”*** Udaipur, Rajasthan, India, International Conference.
19. Roy Chowdhury, Indrajit (2015): ***“On Street Parking Demand: A Case Study of Kolkata City”*** Organised by Department of Chemistry, Tribhuvan Das University, Kathmandu, Nepal, International Conference.
20. Roy Chowdhury, Indrajit (2016): ***“Emerging Trends of Urban Development: Udaipur as A Smart City”*** Department of Geography, University Of Calcutta, International Conference.
21. Roy Chowdhury, Indrajit (2016): ***“Inequalities in Feminism and Remedies through Right to Education (Rte): An Empirical Case Study on Rural and Urban Areas in West Bengal, Pailan College of Education, International Conference.***
22. Roy Chowdhury, Indrajit (2016) ***“Present Status of Girls Education: A Case Study of Khidderpore Area, Under Kolkata Municipal Corporation”*** Organised by Foundation of Practicing Geographers, National Conference.
23. Roy Chowdhury, Indrajit (2016) ***“Scenario of Road Traffic Congestion and Changing Environment in Kolkata City: An Empirical Study”*** Organised by Department of Geography, Bhairab Ganguly College” National Conference.
24. Roy Chowdhury, Indrajit (2016): ***“Air Conditioned Bus Services in Kolkata City: Environmental Impact”*** Organised by Department of Geography, West Bengal State University, National Conference.
25. Roy Chowdhury, Indrajit (2016): ***“Scenario of Traffic Noise Pollution and its impact on human health: An Empirical Case Study of Kolkata City”*** Organised by Department of Geography, Aligarh Muslim University, National Conference.
26. Roy Chowdhury, Indrajit (2016): ***“Emerging Trends of Urban Development: Udaipur a Smart City”*** Organised by Department of Geography, Osmania University, Hyderabad” International Conference.
27. Roy Chowdhury, Indrajit (2016): ***“Profile of Air Conditioned Bus Services in Kolkata City: An Environmental Impact and Challenges”*** 38<sup>th</sup> Indian Geography Congress, University Of Mysore, National Conference.
28. Roy Chowdhury, Indrajit (2016): ***“Spatial Variation of Automobile Emissions and Its Effect on Human Health: A Case Study of Kolkata City”*** 36<sup>th</sup> Inca International Congress, Visva Bharati, International Conference.
29. Roy Chowdhury, Indrajit (2016): ***“Emerging Dimension of Biodiversity Conservation: A Case Study of West Bengal”*** St, Bedes Collegew, Shimla, Himachal Pradesh, India, International Conference.
30. Roy Chowdhury, Indrajit (2017): ***“Assessment of Traffic Congestion and Environmental Quality: A Case Study of Kolkata City”*** Organised by Foundation of Practicing Geographers, National Conference.
31. Roy Chowdhury, Indrajit (2017): ***“ Identifying the Causes of Water Scarcity and Sustainable Water Conservation for Improving Livelihood in Bankura District, west***

- Bengal : A Geographical Perspective, International conference on Natural Resource Management for Sustainable Development and Rural Livelihood
32. Roy Chowdhury, Indrajit (2017): ***“Demand of Fuel Efficient Mode of Vehicles for Sustainable Environment in Kolkata City”*** Organised by Department Of Geography, Rabindra Bharati University, Kolkata, National Conference.
  33. Roy Chowdhury, Indrajit (2017) ***“Biodiversity Conservation and Sustainable Eco-Tourism: A Case Study of Jharkhali Region, South 24 Parganas, West Bengal”*** IGU Conference, International Conference.
  34. Roy Chowdhury, Indrajit (2017) ***“Eco Friendly Fuel Efficient Mode of Vehicles and Sustainable Environment: A Case Study of Kolkata City”*** UGC-DRS Seminar, Department Of Geography, University Of Calcutta, National Conference.
  35. Roy Chowdhury, Indrajit (2018) ***“Eco Friendly Fuel Efficient Mode of Vehicles and Sustainable Environment: An alternative planning for Mitigating Environmental Hazard in Siliguri City”*** Organised by Department of Geography & Applied Geography, University of North Bengal, UGC SAP DRS II, National Conference.
  36. Roy Chowdhury, Indrajit (2018) ***“Assessment of Road traffic Congestion and its Mitigating Planning Strategies: A case study on Siliguri Air view more traffic intersection point”*** Department of Geography, University of Gour Banga, International Conference.
  37. Roy Chowdhury, Indrajit (2018) ***“Future Prospect of Amrut: A New Initiative for Good Governance in Urban Spheres of West Bengal”*** Department of Geography, Rajiv Gandhi University, National Conference.
  38. Roy Chowdhury, Indrajit (2018) ***“Impact of Extension of Bypass road for Asian Highway Development Project on Temporal Change Detection of Land Use and Land Cover along the Linear Corridor of Siliguri-Jalpaiguri: A Geo-Spatial Analysis”*** 3<sup>rd</sup> Regional Science and Technology Congress, Department of Science, Technology and Bio-technology, Government of West Bengal, state Conference.
  39. Roy Chowdhury, Indrajit (2018) ***“Road Traffic Congestion and its Detrimental Impact on Environment of Siliguri City: A Geo Environmental Perspective”*** 3<sup>rd</sup> Regional Science and Technology Congress, Department of Science, Technology and Bio-technology, Government of West Bengal, state Conference.
  40. Roy Chowdhury, Indrajit & Pradhan Subhajit (2019) ***“Water Scarcity and Drinking Water Problem in Some Selected Community Blocks of Bankura District, West Bengal”*** Department of Geography & Applied Geography, University of North Bengal, Jalpaiguri Campus, March 15-16, 2019, National Conference.
  41. Roy Chowdhury, Indrajit & Bose Arghadeep (2019) ***“Change Detection Analysis of Land Surface Temperature Associated with Land Use & Land Cover Change in Siliguri City”*** Department of Geography & Applied Geography, University of North Bengal, Jalpaiguri Campus, March 15-16, 2019, National Conference .
  42. Roy Chowdhury, Indrajit & Bhanja Bipul (2019) ***“An Appraisal of Socio-Economic Status of Gosaba Region, Sundarban, West Bengal: An Empirical Study”*** Department of Geography & Applied Geography, University of North Bengal, Jalpaiguri Campus, March 15-16, 2019, National Conference.

43. Roy Chowdhury, Indrajit & Kayal Prasenjit (2019) ***“Level of Human Development : A Case Study of Raiganj CD Block, Uttar Dinajpur District”*** Department of Geography & Applied Geography, University of North Bengal, Jalpaiguri Campus, March 15-16, 2019, National Conference.
44. Roy Chowdhury, Indrajit & Basak Debanjan (2019) ***“Rural Livelihood and Sustainability: A Case Study of Sitalpati Makers of Ghugumari Village of Koch Bihar District”*** Department of Geography & Applied Geography, University of North Bengal, Jalpaiguri Campus, March 15-16, 2019, National Conference.
45. Roy Chowdhury, Indrajit & Basak Debanjan (2019) ***“Selection of Solid Waste Landfill Suitability Site Using Geographic Information System and Remote Sensing: A Case Study of Cooch Behar Municipality”*** 4th Regional Science and Technology Congress, Department of Science, Technology and Bio-technology, Government of West Bengal,. state Conference
46. Roy Chowdhury, Indrajit & Bose Arghadeep (2019) ***“Dynamic Simulation of Urban Expansion Through Marcov Chain Modelling and Machine Learning : A Case Study of Siliguri and Adjacent Buffering Domain”*** 4<sup>th</sup> Regional Science and Technology Congress, Department of Science, Technology and Bio-technology, Government of West Bengal, state Conference
47. Roy Chowdhury, Indrajit & Rahaman Mijanur (2019) ***“Delineation of Flood Prone Area Using Geo Spatial Techniques: A Case Study of Alipurduar District, West Bengal, India”*** 4<sup>th</sup> Regional Science and Technology Congress, Department of Science, Technology and Bio-technology, Government of West Bengal,. state Conference
48. Roy Chowdhury, Indrajit (2019) ***“Delineation of Flood Prone Areas Using Remote Sensing and GIS Technique : A Case Study of Alipurduar District, West Bengal, India ”*** 31<sup>st</sup> IGI Conference and National Seminar on Applications of Geospatial Technology in Geomorphology and Environment, Department Geography & Applied Geography, University of North Bengal, November 12-14, 2019
49. Roy Chowdhury, Indrajit & Basak Debanjan (2019) ***“Future Prediction Modelling on Land Use and Land Cover Changes and its Impact on Natural Habitat : A Case Study of Jore Pokhri Wild Life Sanctuary, Darjeeling, west Bengal, India ”*** 31<sup>st</sup> IGI Conference and National Seminar on Applications of Geospatial Technology in Geomorphology and Environment, Department Geography & Applied Geography, University of North Bengal, November 12-14, 2019
50. Roy Chowdhury, Indrajit & Rajbangshi Nirmal (2019) ***“Role of Local People for Sustainable Forest Management : A Case Study on Lataguri Forest Fringe and Adjoining Area”*** 31<sup>st</sup> IGI Conference and National Seminar on Applications of Geospatial Technology in Geomorphology and Environment, Department Geography & Applied Geography, University of North Bengal, November 12-14, 2019
51. Roy Chowdhury, Indrajit & Bose Arghadeep (2019) ***“Urban Growth Dynamics Using Remote Sensing to Propose Future Urban Growth in Siliguri and Adjacent Buffering Domain : A Case Study ”*** 31<sup>st</sup> IGI Conference and National Seminar on Applications of Geospatial Technology in Geomorphology and Environment,

Department Geography & Applied Geography, University of North Bengal,  
November 12-14, 2019

52. Roy Chowdhury, Indrajit & Mustafi Subham (2021) "***Assessment of Spatio-temporal Changes of Urban Green Space: A Case of Kolkata Municipal Corporation***" 40<sup>th</sup> INCA International Congress on "Digital Mapping Innovation in Make India Initiatives, Organised by National Atlas Thematic Mapping Organisation in collaboration with INCA, India, February 10-12, 2021
53. Roy Chowdhury, Indrajit & Kayal Prasenjit (2021) "***Impact of Frequent Cyclonic Storm on Land Use and Land Cover Changes along the Coastal Areas of Indian Sundarban Using Multitemporal Remote Sensing Data***" 40<sup>th</sup> INCA International Congress on "Digital Mapping Innovation in Make India Initiatives, Organised by National Atlas Thematic Mapping Organisation in collaboration with INCA, India, February 10-12, 2021.

***Participated in Conference & Workshop:***

- ***International Symposium on Challenges of Urbanisation and Planning in China and India***, organised by Department of Geography, University of Calcutta held on 2<sup>nd</sup> and 3<sup>rd</sup> January 2017.
- ***2<sup>nd</sup> Workshop on Statistical Techniques Used in Research***, organised by Department of Statistics, the University of Burdwan held on 21<sup>st</sup> to 24<sup>th</sup> February 2017.
- ***Introduction to Digital Photogrammetry***, organised by National Remote Sensing Centre (NRSC) held on 22<sup>nd</sup> to 26<sup>th</sup> August 2016.
- ***Open Source Software-Q- GIS***, organised by Webel and Opsi System, held on 18<sup>th</sup> May to 19<sup>th</sup> June 2016.
- ***Workshop on GPS and Total Station Survey***, organised by Webel and Opsi system, held on 18<sup>th</sup> and 19<sup>th</sup> June 2016.
- ***UGC Sponsored National Seminar on Education, Skill Development and Economic Growth in India***, organised by Department of Economics, Prabhu Jagat Bandhu College, held on 6<sup>th</sup> and 7<sup>th</sup> December, 2016.
- ***National Seminar on Geography and Development***, organised by Department of Geography and Applied Geography, University of North Bengal, Jalpaiguri Campus, held on 1<sup>st</sup> March, 2020.
- ***One Day Webinar on Air Quality During lockdown: Experience of West Bengal***, organised by Department of Geography, Sahid Matangini Hazra Government College for women, West Bengal, 2<sup>nd</sup> October, 2020.



- ***Geographical Perspective of Water Resource and Challenges***, organised by Russian Geographical Society and The National Association of Geographers, India (NAGI), held on 16<sup>th</sup> July, 2020.
- ***International Webinar on Covid-19 Pandemic: A Geo Ecological Perspective***, organised by Foundation of Practicing Geographer, Kolkata, held on 26<sup>th</sup> and 27<sup>th</sup> September, 2020.
- ***An Open Air State Level Workshop on Environment, River and Man***, organised by Department of Geography, Siliguri Mahila Mahabidyalaya, Siliguri, Darjeeling, held on 21<sup>st</sup> September, 2019.