



VIDYASAGAR COLLEGE

39 SANKAR GHOSH LANE  
KOLKATA

Dr. Tuhin Kanti Ray

1	Name	Dr. Tuhin Kanti Ray		
2	Designation	Assistant Professor		
3	Mail ID	Tuhinkanti2008@gmail.com		
4	Contact No	9432272592		
5	Date of Joining	27.02.2021		
Academic qualifications				
6	Degree	Subject	University	Year
	Ph.D	Geography	University of Calcutta	2019
	M.Phil	-	-	-
	MA/M.sc	Geography	University of Calcutta	2008
BA/B.Sc	Geography	University of Calcutta	2006	
PH.D. DETAILS				
7	Title of the Thesis	Road Traffic Accidents In Urban Area Under The Jurisdiction Of Kolkata Police: A Geographical Analysis		
	Field of specialization under subject/ discipline	Human Geography		
8	PREVIOUS POSITIONS/Engagement	<ul style="list-style-type: none"><li>•Assistant Professor :06.06.2017 to 26.02.2021 at Surya Sen Mahavidyalaya, Siliguri</li><li>•Assistant Professor (Contractual)10.11.2008 To 05.06.2017, at Rabindra Bharati University, Kolkata</li><li>•Visiting/Guest Faculty: July. 2017 to Till Date at<ul style="list-style-type: none"><li>i)Department of Geography, Rabindra Bharati University</li><li>ii) Department of Geography, DDE, Rabindra Bharati University</li></ul></li></ul>		
9	Google scholar page:	<a href="https://scholar.google.com/citations?hl=en&amp;user=adul3fEAAAJ">https://scholar.google.com/citations?hl=en&amp;user=adul3fEAAAJ</a>		
10	ORCID ID	0000-0002-1546-6052		
11	HONOURS AND AWARDS	<ul style="list-style-type: none"><li>• Member Editorial Board, Collegium: SSM Newsletter, Surya Sen Mahavidyalaya, for the year 2019</li><li>• State-funded Research Scholarship in the State Eligibility Test State Government 2007 Performance in Examination</li><li>• Editor, Student Geographical Association, Department of Geography, University of Calcutta, 2007-2008, Editing of the 'Observer' (Annual Volume of Student Geographical Association)</li><li>• National Scholarship, Govt. of West Bengal, Education Department, for securing High position in Madhyamik Pariksha</li></ul>		

12	CURRENT RESEARCH PROJECT/Field of Research	<ul style="list-style-type: none"> <li>•Problems of present urban life and Urban Planning</li> <li>• Transportation problems and Planning</li> <li>• Urban Environmental Services and Ecological Issues</li> <li>• Urban and Peri-Urban water bodies</li> <li>• Urban road characteristics</li> </ul>
13	TECHNICAL UNDERSTANDING AND EXPERIENCE	<ul style="list-style-type: none"> <li>• Mapinfo Software</li> <li>• Geomatica</li> <li>• QGIS</li> </ul>
14	SUMMARY OF RESEARCH EXPERIENCE	
15	EXPERIENCE OF PROJECT MANAGEMENT	
16	COMPLETE LIST OF PUBLICATIONS (Maintain Harvard Format)	
17	Extracurricular Activities	
18	Link to personal website (if any)	

## 16. COMPLETE LIST OF PUBLICATIONS

### i.) Book Publication

Title of the Book	Nature of work	National/International	Year of Publication	ISBN	Name of publisher
The Way Ahead Violation of Human Rights and related Social Stigma against LGBT in Indian Society	Editor	National	2024	978-93-92038-56-3	Eastern Book House, Guwahati

### ii)Publication of chapters in Books

Title	Book Name	Year of Publication	ISBN	Publisher and Place of Publication	Page No.
An Exercise on Valuation of Urban Heritage Site, A Comparative Study of Victoria Memorial Hall and Indian Museum, Kolkata	Environmental Management and Sustainability in India	23 <sup>rd</sup> July,2023	978-3-031-31398-1(Print) 978-3-031-31399-8(Online)	Springer	393-410

Intra-urban Road Characteristics of Siliguri Municipal Corporation with Special Reference to Population	Population Dynamics and Environmental Sustainability	2023	978-93-91897-57-4	MANAK Publications Pvt. Ltd, New Delhi  (National)	220-233
Urban Crime Scenario in Kolkata: An Appraisal of few selected crimes	Population Growth, Resource Utilization and Environmental Sustainability	2023	978-93-91771-47-8	Crescent Publishing Corporation, Delhi,  (National)	185-202
An Assessment of Traffic Noise Level in Agartala Municipal Corporation Using Geo-Spatial Technology in Tripura, India	Advancement in Urban Environmental Studies  Application of Geospatial Technology and Artificial Intelligence in Urban Studies	4 <sup>th</sup> March 2023	978-3-031-21586-5(Print)  978-3-031-21587-2(Online)	Springer	359-383
Environmental Consciousness and Sustainable Development Goal with Special Reference to Public Transportation in India: A Review	The Route Towards Global Sustainability  Challenges and Management Practices	8 <sup>th</sup> February 2023	978-3-031-10436-7(Print)  978-3-031-10437-4(Online)	Springer	263-274
Impact of COVID-19 pandemic on Life Style changes of Population of Agartala Municipal Corporation	Society Under Seize  COVID-19 and Consequences	2022	978-93-91897-22-2	MANAK Publications Pvt. Ltd., New Delhi  (National)	58-78
Contemporary Issues of Water Resource Management in India: A Geographical Review	Environmental Crisis in 21 <sup>st</sup> Century: Towards Conscience and Sustainability	2021	978-81-956065-8-0	UGC-HRDC and Department of Environmental Science, University of Calcutta, Kolkata	232-236

An analytical study of city beautification program: A case study of Kolkata	Sustainable Urbanization in East India Present Trend and Future Concerns	2019	978-93-88069-43-4	Levant Books, Kolkata, India, (National)	pp269-277
Evaluation of the Urban Environmental Services in Slum Areas through Citizens Perceptions: A Case Study of Siliguri Municipal Corporation	Sustainable Development: A Dynamic Perspective	2018	978-81-938088-0-1	Anjan Publisher, Kolkata, (National)	pp28-33
Socio-economic Effect of Rural agricultural drought, A micro level study from Goghat-I Block, Hooghly District, West Bengal	Proceedings of International Seminar on Environmental Perspectives and Resource Management	2014	978-81-928047-4-3	Institute of Landscape Ecology and Ekistics (ILEE) and Department of Geography, University of Calcutta, Kolkata	pp.195-201

#### i. Publication in Journals

➤ List of Publications in Refereed Journals (UGC Care-listed):

Title	Journal Name	Volume, Issue and Year of Publication	ISSN	Publisher and Place of Publication	Impact Factor	Page No.
Identification of urban waterlogging risk zones using Analytical Hierarchy Process( AHP): a case of Agartala city	Environmental Monitoring and Assessment	Vol.197,322, 2025	0167-6369 E-ISSN:1573-2959	Springer Nature	2.5	
Assessment of compressed natural gas as an alternative transportation	Environment, Development and Sustainability	Vol.27, Issue 1, 2025	1387-585X EISSN:1573-2975	Springer Nature	4.7	

fuel in reducing CO2 emission: a case of Agartala city						
Impact of Compressed Natural Gas in Changing the Air Quality of Agartala City with reference to CO2 Emission	Chemical Engineering Transactions	Vol.111, 2024	2283-9216	The Italian Association of Chemical Engineering, Berlin, Germany		661-666
Impact of Road Geometric Elements and Traffic Characteristics on Vehicular Emissions in Kolkata	Urban India	Vol.44, Issue I, 2024	0970-9045	National Institute of Urban Affairs		16-30
An analysis of road network development in Darjeeling town, West Bengal	Transactions	Vol.43, No.2, July,2021	0970-9851	Institute of Indian Geographers, Department of Geography, Savitribai Phule Pune University, Pune	-	pp199-214
Application of Road Traffic Accident Modelling for Future Prediction: A Case study of Kolkata	International Journal for Current Research and Review	Vol 9 Issue 5, March 2017	2231-2196(print), 0975-5241(online), UGC Journal No.62702	Radiance Research Academy, Nagpur	4.016	pp 1-8
Evaluation of the Utilization of Urban Water Bodies: A Comparative Study of Ponds and Wetland in Ward No 57 and 58 of Kolkata	Geographical Review of India	Vol.-77, No. 1 March 2015	0375-6386, UGC Journal No.27633	The Geographical Society of India, Kolkata;		pp85-94

Municipal Corporation						
A Socio-Economic Appraisal of Metro Railway Extension in Kolkata, from Tollygunge to New Garia	Geographical Review of India	Vol.-74,No. 1 March 2012	ISSN 0375-6386, UGC Journal No.2763 3	The Geographical Society of India, Kolkata		pp 42-55

➤ (UGC enlisted or with ISSN No.)

Title	Journal Name	Volume, Issue and Year of Publication	ISSN	Publisher and Place of Publication	Impact Factor	Page No.
Spatiotemporal Variation of Road Traffic Accident in Kolkata: An Appraisal	International Journal of Recent Scientific Research	Vol. 9, Issue, 3(E), March, 2018	0976-3031 UGC Journal No: 46629	IJRSR, India	2017: 7.383	pp. 2497 0-2497 4
Impact of Extended Kolkata Metro Railway on its Surroundings and Commuters a case study from Tollygunge - New Garia, West Bengal, India	Indian Journal of Spatial Science	Vol - 5.0 No. 2 Winter Issue 2014	2249-3921 EISSN 2249-4316), UGC Journal No.4907 7	Indian Society of Spatial Scientists, Calcutta		pp. 62-69
Utilities of Urban Ecological Units - a comparative study of Rabindra Sarobar and Subhas Sarobar, Kolkata	Indian Journal of Spatial Science	Vol - 4.0 No. 1 Summer Issue 2013	2249-3921 EISSN 2249-4316, UGC Journal No.4907 7	Indian Society of Spatial Scientists, Calcutta		pp. 52 - 58
An Evaluation of Urban Environmental Services: Case of	Practising Geographer	Vol.17,No.1 Summer 2013	0975-3850	Indian Geographical Foundation, Calcutta		pp 121-135

Barasat Municipality, KMDA						
Significance of Urban Ecological Units in Urban Amusement and Environmental Management, A Micro level study of Kolkata Maidan	Indian Journal of Landscape systems and Ecological studies	Vol.35, No.1 June 2012	0971-4170, UGC Journal No.20798	Institute of Landscape Ecology and Ekistics (ILEE)		pp 359-366
Ecological Significance of Alipore Zoological Garden, Kolkata and Its Role in Urban Amusement	The Observer	Vol.50, 2012	2230-9535	The Student Geographical Association, Dept. of Geography, University of Calcutta,		pp 45-48
A Brief Study of Urbanization in West Bengal	Rabindra Bharati Patrika	New Series, Vol.XV ,2012	0975-0037	Rabindra Bharati University, Kolkata		pp16 6-180
Urban Ecological Units and Urban Amusement, A Comparative Study of Subhas Sarobar and Central Park, Kolkata	Practising Geographer	Vol.15,No.2 Winter 2011	0975-3850	Indian Geographical Foundation, Calcutta		pp 85- 96
Rabindranath Tagore and Contemporary Issues in Geography	Rabindra Bharati Patrika	New Series, Vol.XIV, Special Tagore Issue,2011,	0975-0037	Rabindra Bharati University, Calcutta		pp 244-250.
Bhugol Bisaytir Moulikotto	Rabindra Bharati Patrika	Vol. XII, Second Issue 2009	0975-0037	Rabindra Bharati University, Calcutta		pp13 7-141
An Appraisal of Slums and Slum Dwellers and few Recommendations on Slum	Indian Journal of Landscape systems and	Vol.32, No.2 Dec,2009	0971-4170	Institute of Landscape Ecology and Ekistics (ILEE), Kolkata		pp 99-110

Improvement , A case study of Barasat Municipality	Ecological studies					
Determination of the Urban Zone of Influence-A Quantitative Exercise	Rabindra Bharati Patrika	Vol. XII, Combined Issue,2009	0975-0037	Rabindra Bharati University, Kolkata		pp 462-468