

DEPARTMENT OF ARCHITECTURE & PLANNING, BIT, MESRA,
RANCHI

Publications During 2026-2025, 2025-2024, 2024-2023, 2023-2022, 2022-21, 2021-20, 2020-19,
2019-18, 2018-
17, 2017-16, 2016-15, 2015-14, 2014-13

S l . n o	Authors	Title	Journal /Proceeding	Vol. No., Issue no.pp	Year	ISSN/DOI
2026						
1	Shama Parween	Urbanization, climate variability, and groundwater dynamics in Eastern India: a mixed-effects modelling approach	Environmental Earth Sciences	Volume 85	2026	https://doi.org/10.1007/s12665-025-12780-6
2	A. Ashish, S Mishra, MK Pandey, A Nag	Systematic review of urban green space strategies for microclimate regulation and urban heat island mitigation in central business districts	Discover Sustainability	Article in press	2026 [published online May 2026]	https://doi.org/10.1007/s43621-026-03354-y
3	Prasad, S., Sarkar, S., & Kazmi, R.	Sustainable planning for cities: Weaving e-infrastructure for green transportation in current city profile of Bhubaneswar, India	Science, Engineering and Health Studies	20, 26020001	2026	2630-0087, https://li01.tci-thaijo.org/index.php/sehs
4	Shubham Jaiswal, Rewati Raman, Shailendra	Between Tradition and Towers: Navigating Westernization, Architectural Transformation,	Human Settlements and Sustainability	Volume 2, Issue 2, June 2026, Pages 144-156	2026	https://doi.org/10.1016/j.hssust.2026.04.001

	K Mandal	Cultural Resilience and the Social Fabric of Indian Cities				
5	Amit Kumar, Abhijit Anand, Ran Vijay Singh, S M Mozammil Hasnain Ritu Agrawal, Parul Maurya, Ramesh Kumar	Probabilistic slope stability assessment of variably saturated overburden dump slopes	Scientific Reports https://www.nature.com/articles/s41598-025-31424-0	Scientific Reports volume 16, Article number: 1791 (2026)	2026	https://www.nature.com/articles/s41598-025-31424-0
6	Naveen Suresh Chomal, Anuska Mahalik, Ritu Agrawal, Shweta Suhane, Mohammad Arif Kamal	Assessment of Integrated Waste Management System for Sustainable Development: The Case of Goa, India	Architecture Engineering and Science	5(4), pp.186-192.	2025	https://doi.org/10.32629/aes.v5i4.3164 ISSN (online): 2737-4955 ISSN (print): 2737-4947
7	Sneh Prabha, Sarkar, Satyaki, & Roy Supriyo.	Synergising Social Innovation and Entrepreneurship under Sustainable Tourism Framework: An Empirical Study	Sustainable Development ((Wiley) - IF: 9.3	01, 34	2026	1099-1719
8	Vinod Varsha, Sarkar, Satyaki, & Roy Supriyo	From Heritage Resources to Revenue Generation: A Predictive Structural Model for Heritage-Led Local Economic	Sustainability, IF: 3.3	18(3)-1161, 1-32	2026	2071-1050

		Development				
9	Vivek Garg and Bimal Chandra Roy	Assessing urban residents' perceptions of barriers and drivers to sustainable affordable housing in Indore	World Review of Science, Technology and Sustainable Development	Vol.20, No.2, pp 167-199	2026	DOI: 10.1504/WIRSTSD.2026.152603
2025						
1	Vinod Vars ha, Sarkar, Satyaki, & Roy Supriyo.	From Heritage Valuation to Evidence-Based Computational Heritage Town Planning: Methodological Development and Application of Cultural Heritage Town Development Index	Urban Science	9(12), 514	2025	10.3390/urbansci9120514
2	Sneh Prabha, Sarkar, Satyaki, & Roy, Supriyo	Exploring Societal Development: The Impact of Social Innovation and Social Entrepreneurship - A Critical Examination	Asia-Pacific Social Science Review	25 (4), 67-84	2025	10.59588/2350-8329.1592
3	Basu, D. & Mishra, Smriti	Reclamation and Community Dynamics: Assessing Socio-Environmental Impacts of Mining in Manikpur, Chhattisgarh	Journal of Mining and Environment	16(3), 847-875	2025	10.22044/jme.2024.15258.2922
4	Agrawal, Ritu., Chakraborty, M. & Panda, S.	Assessing health vulnerability in Indian slums: mapping risks and analyzing contributing factors	GeoJournal	90, 231	2025	doi.org/10.1007/s10708-025-11484-5
5	Toppo Anuj Kumar & Roy, Bimal Chandra	Identification of parameters contributing to the land tenancy security for tribal areas of Jharkhand	International Journal of Rural and Regional Development	03 (02), 113	2025	10.37591/IJRRD.v03i02.212978
6	Kumar,	Investigating and	Journal of	10(31s).	2025	10.52783/jisem.

	Ashutosh, & Barman, A.	overcoming the barriers in adoption of rooftop solar PV adoption with information systems	Information Systems Engineering and Management,			v10i31s.5045
7	Shama Parween, Rajan Chandra Sinha	An Integrated Model for Water Resource Allocation, Distribution and Management: A Genetic Algorithm-Based Optimisation Model	Water Resources Management	1-25	2025	https://doi.org/10.1007/s11269-025-04217-3
8	Manish M. Nair, Shama Parween, Rajan Chandra Sinha	Suitability Assessment for Pluvial Flood Mitigation in Dense Urban Areas, Using Nature-Based Solutions: A Case of Delhi	Journal of Urban and Regional Analysis	17(1), 96-116	2025	https://doi.org/10.37043/JUR.A.2025.17.1.5
9	Rizwan Kazmi & Manjari Chakraborty	Barriers and Enablers Towards Integrating Circular Economy in the Construction Industry in India	Journal of the Institution of Engineers (India): Series A	106(10)	2025	https://doi.org/10.1007/s40030-025-00888-8
10	Rizwan Kazmi & Manjari Chakraborty	Use of Coal Mining Wastes in the Construction Industry to Promote a Circular Economy: a Systematic Literature Review	Circular Economy & Sustainability	Vol. 5, pages 3593–3622	2025	https://doi.org/10.1007/s43615-025-00551-1
11	Rizwan Kazmi & Deepty Jain	Role of Construction Material Transport for Achieving a Circular Economy in the Construction Industry	Circular Economy & Sustainability	5 (5), pp. 3743-3761	2025	https://doi.org/10.1007/s43615-025-00553-z
12	N. Suresh Chomal, A. Mahalik, Ritu Agrawal, S. Suhane, Mohammad Arif Kamal	Assessment of Integrated Waste Management System for Sustainable Development: The Case of Goa, India	Architecture Engineering and Science	5(4), pp.186-192.	2025	https://doi.org/10.32629/aes.v5i4.3164
13	Ashutosh Kumar	Investigating and Overcoming the Barriers in adoption of Rooftop Solar PV Adoption with Information Systems	Journal of Information Systems Engineering and Management	10 (31) pp. 276 - 291	2025	https://doi.org/10.52783/jjsem.v10i31s.5045

2024

1	Nishat Afshan & Rajan Chandra Sinha	Identification of indicators of urban affordable housing location choice for low-income households: a Delphi analysis	Housing and Society	287-317	2024	https://doi.org/10.1080/08882746.2024.2370192
2	Debasmita Basu & Smriti Mishra	Reclamation and Community Dynamics: Assessing Socio-Environmental Impacts of Mining in Manikpur, Chhattisgarh	Journal of Mining and Environment	Vol. 16, No. 3; pp: 847-875	2024	https://doi.org/10.22044/jme.2024.15258.2922
3	Aditi Nag & Smriti Mishra	Revitalizing Mining Heritage Tourism: A Machine Learning Approach to Tourism Management	Journal of Mining and Environment	Volume 15, Issue 4; pp: 1193-1225	2024	https://doi.org/10.22044/jme.2024.13770.2554
4	Sneh Prabha, Sarkar, S., & Roy., S	Does Social Innovation and Social Entrepreneurship impact 'Quality of Life'? Critical review	Perspectives on Management, Annual Journal of Heritage Business School	12, 1-12	2024	ISSN 0974-7095
5	Ashutosh Kumar	Revitalizing Heritage: Exploring the Cultural and Historical Significance of Maner Tank in Patna, Bihar, India	Journal of Sciences of Conservation and Archaeology	Volume 36 , Issue 3(472-485)	2024	1005-1538 (10.48141/sci-arch-36.3.24.48)
6	Ritu Agrawal, Apurv Ashish, Harsh Kashayap, Shweta Suhane, Mohammad Arif Kamal	Acoustical Environment in Temple Architecture of India: Built Form and Design Configuration	Architecture Engineering and Science	5(2), pp.62-71	2024	https://doi.org/10.32629/aes.v5i2.2142
7	Shweta Suhane, Utpal Sharma, Ritu Agrawal, Surya Pratap Singh	Integrating Urban Forests into Sustainable Urban Planning: Strategies, Challenges and Future Directions	International Journal of Environmental Sciences	Vol. 10 No. 3 (October-December 2024)	2024	https://theaspd.com/index.php/ijes/article/view/38

8	R. Goyal, M.Kumar, M. Anwar Mallick, M. Nitin, Ritu Agrawal, A. Kumar Yadav, P. S. Agrawal,	Nano-informatics Approach to Unravel the Intrinsic Interaction of Catharanthus roseus Fabricated Zinc Oxide Nanoparticles with Vindoline to Combat Diabetes	Chemistry Select	Volume 9, Issue 48, December 23	20224	https://doi.org/10.1002/slct.202402777
9	Kazmi R. and Chakraborty M.	Status and probable direction of circular economy in the construction industry in India through a systematic literature review	International Journal of Green Economics, Inderscience	Vol. 18, No. 1, pp 61-86	2024	https://doi.org/10.1504/IJGE.2024.138514
10	Nag, A., & Mishra, S.	Tourism Management with AI Integration for Mining Heritage: a Literature Review Approach	Journal of Mining and Environment	15(1), 115-149	2024	https://doi.org/10.22044/jme.2023.13473.2490
11	Nag, A., & Mishra, S.	Mining Ghost Town Revitalization through Heritage Tourism Initiatives	Journal of Mining and Environment	15(2), 439-461	2024	https://doi.org/10.22044/jme.2023.13673.25311
12	Nag, A., & Mishra, S.	Revitalizing Mining Heritage Tourism: A Machine Learning Approach to Tourism Management	Journal of Mining and Environment	Accepted	2024	https://doi.org/10.22044/jme.2024.13770.2554
13	Nag, A., & Mishra, S.	Exploring Dark Tourism in Mining Heritage: Competitiveness and Ethical Dilemmas	Journal of Mining and Environment	15(3), 863-887	2024	https://doi.org/10.22044/jme.2023.13840.2571
14	Nag, A., & Mishra, S.	Beyond Metrics: A Comprehensive Framework for Assessing Tourism Destination Competitiveness	International Journal of Technological Learning, Innovation and Development	16 (3), pp 238-272	2024	https://doi.org/10.1504/IJTLD.2025.148086
15	Basu, D., & Mishra, S.	Mine reclamation practices and effects of stakeholder perception—a case study of Saoner mines, Maharashtra, India	Journal of Engineering and Applied Science	71(1), 62	2024	https://doi.org/10.1186/s44147-024-00393-y

16	Abreo, M. N., Prasad, P., & Surin, A. S	Re-claiming urban neighbourhood streets for active transport– Evidence from Vasai, Maharashtra.	Transport Policy	148(1-14)	2024	https://doi.org/10.1016/j.tranpol.2024.01.005
17	Sarkar S., Kumari K., & Prasad P	Approaching Planning for new areas based on Environmental Suitability and Accessibility - A Study of Navi Mumbai, India,	Journal of Urban Planning and Development (ASCE)	150(1)	2024	https://doi.org/10.1061/JUPDDM/UPE-NG-4335
18	Nag A., & Sarkar S.	Integrating Choice Freedom, Economic Health, and Transportation Infrastructure to Forecast Tourism Demand: A Case Study of Bishnupur and its Alignment with Sustainable Development Goals	Transport Policy (ScienceDirect)	147, 198-214	2024	https://doi.org/10.1016/j.tranpol.2024.01.001
19	Varsh V., Sarkar S., & Roy S.	An Overview of key indicators and evaluation tools for assessing economic value of heritage towns – A literature review	Journal of The Institution of Engineers (India): Series A, (Springer-nature)	In Press	2024	https://doi.org/10.1007/s40030-024-00807-3
20	Parween S. & Sinha R.C	An Analytical Hierarchy Process Approach for Prioritization of Objectives and Parameters for an Integrated Urban Water Management	KSCE Journal of Civil Engineering, Springer	28, 1566–1579	2024	https://doi.org/10.1007/s12205-024-1019-2
2023						
1	Dash, M. and Chakraborty, M	Distribution of green spaces across socio-economic groups: A study of Bhubaneswar, India	Journal of Architecture and Urbanism	Vol 47, No 1, pp 57-67	2023	https://doi.org/10.3846/jau.2023.17026
2	Basu, D. and Mishra, S	A Comprehensive Literature Review Approach for Assessing the Probable Impact of Post-Reclamation Strategies Applied to Abandoned Mines	Journal of Minin Environment	14, no. 3	3, 2023, 2023	doi:10.22044/jme.2023.13007.2356

3	Basu, D. and Mishra, S.	Review of Mining Tourism and Destination Image Positioning – Case Study: India	Journal of Mining and Environment	14 (4), 1081-1104	2023	https://doi.org/10.22044/jme.2023.13008.2357
4	Nag, A., Choudhary, N., Sinha, D., Sinha, A. P., & Mishra, S	Predictive Analytics- New Business Intelligence in SCM.	International Journal of Value Chain Management	14(3), pp. 325-345	2023	https://doi.org/10.1504/IJVCM.2023.10055736
5	Nag, A., Mishra, S.	Stakeholders' perception and competitiveness of heritage towns: A systematic literature review.	Tourism Management Perspectives	48, pp. 101-156	2023	https://doi.org/10.1016/j.tmp.2023.101156
6	Parween. S., Sinha, R. C.	Identification of Indicators for Developing an Integrated Study on Urban Water Supply System, Planning, and Management	Journal of Environmental Engineering	149 (3),	2023	https://doi.org/10.1061/joeed u.eeeng-7062
7	Ritu Agrawal, Mohammad Arif Kamal	Role of Insulated Tiles as a Prospective Material for Building Envelope: Thermal Performance and Energy Efficiency	Architecture Engineering and Science	4 (2), pp.51-61	2023	https://doi.org/10.32629/aes.v4i2.1182
8	Tauheed Mehtab, Ritu Agrawal, Mohammad Arif Kamal	Technological Appraisal of Prefabricated Glass Fibre Reinforced Gypsum (GFRG) Panels in Building Construction System	Architecture Engineering and Science	4(3), pp.154-163	2023	https://doi.org/10.32629/aes.v4i3.1250
9	Antriksh Khadgata, Tiwari Pavan Kumar, Apurv Ashish	The relevance of Manasara planning model in walled cities of India: An assessment review of Rajasthan	International Journal for Multidisciplinary Research (IJFMR)	5 (3), 1-12	2023	https://doi.org/10.36948/ijfmr.2023.v05i03.3866
10	Kazmi R. and Chakraborty M.	Identification of parameters and indicators for implementing circularity in the construction industry,	Journal of Engineering and Applied Science,	70 (77).	2023	https://doi.org/10.1186/s44147-023-00251-3 , Springer Nature
2022						
Sl. no	Authors	Title	Journal /Proceeding	Vol. No., Issue no.pp	Year	ISSN

1	Aditi Nag, Satyaki Sarkar	Developing an Integrated Model for Assessment of Tourism, Transportation and Economy in Small Heritage Sites	Int. J. of Technological Learning, Innovation and Development (IJTLID)	14 (3), pp. 272– 296	2022	https://doi.org/ 10 .1504/IJTLID. 2022.125694
2	Vivek Garg, Ar. Mitali Madhusmita, Dr. Bimal Chandra Roy	Identification of Indicators for Affordable Housing in Indian Scenario	CSVТУ Research Journal	11(1), pp.1-11.	2022	https://csvtujournal.i n/index.php/rjet/artic le/view/186
3	Osama Nasir, Mohammad Arif Kamal, Ritu Agrawal	Exploring the Tangible Conservation of Architectural Heritage and History: Bringing Past into the Future.	American Journal of Civil Engineering and Architecture	10 (3), pp 147-156	2022	http://pubs.scie pub.com/ajcea/ 10/3/5
4	Sanchari Chatterjee and Rizwan Kazmi	Vernacular Style of Architecture and Architectural Elements in Bengal, India	International Journal of Creative Research Thoughts	10 (9)	2022	2320 – 2882
5	Kapadia Mustafa, Sarkar Satyaki, Roy Bimal C, Sinha Rajan C.	Critical appraisal of parameters for successful implementation of BRTS in India	Periodica Polytechnica Transportation Engineering (SCOPUS).	50(2), pp. 165–183	2022	https://doi.org/ 10.3311/PPtr.16508
6	Umesh Mishra, Satyaki Sarkar, Aditi Nag,	Measuring Social Acceptance of Resettlement colonies for the post Covid affected migrants in India	Journal of the Anthropologica l Survey of India (SAGE).	71 (1), pp. 105- 124	2022	https://doi.org/ 10.1177/2277436X 221087834
7	Varsha Vinod, Smriti Mishra, Anila Surin	Place-making and connecting the heritage precincts in an urban area – A case of Thrissur city core	International Journal of Scientific Research in Engineering and Management	6 (2),	2022	https://doi.org/ 10.55041/IJSREM1 610
2021						
Sl. no	Authors	Title	Journal /Proceeding	Vol. No., Issue no.pp	Year	ISSN
2020						
Sl. no	Authors	Title	Journal /Proceeding	Vol. No., Issue no.pp	Year	ISSN

1	Dash M. and Chakraborty, M.	Outdoor Ventilation and Ground Coverage: Exploring a Climate Centric Approach to Building Byelaws for Multi Storied Apartment in Bhubaneswar;	Journal of Sustainable Architecture and Civil Engineering	2 (27); pp : 78-95	2020.	https://doi.org/10.5755/j01.sace.27.2.26853
2	Gupta J., Chakraborty M., Sharon Mathew, Alankar Jharia	Mud as a construction material in Rural Dwellings: Study of Thermal Performance in Composite Climate	International Journal of Advanced Science and Technology	29 (3), pp	2020	0776-3808;
3	Gupta J., Chakraborty M., H. Rallapalli and Nivedhitha. R	Climate-Responsive Architecture in Rural Vernacular Dwellings: A Study in Composite Climate in Ranchi, Jharkhand, India.,	AEGAEUM Journal,	8, (7), pp. 171 0-1734.	2020	0776-3808
4	Sarkar Amrita, Sarkar Satyaki	Comparative assessment between statistical and soft computing methods for accident severity classification	Journal of The Institution of Engineers (India)	Series A, 101, pp. 27–40	2020	https://doi.org/10.1007/s40030-019-00422-7

2019

Sl. no	Authors	Title	Journal /Proceeding	Vol. No., Issue no.pp	Year	ISSN
1	Roy Bimal C., Sarkar Satyaki, Sinha Rajan C., Srivastava I.,	Identification of a new industrial area based on a macro level analysis - a Case of Bokaro District, Jharkhand, India	International Journal of Engineering and Advanced Technology	9 (2)	2019	https://doi.org/10.35940/ijeat.A1168.129219
2	Mishra U.C, Sarkar Satyaki,	Urban population and identification of indicators for affordable housing in India	International Journal of Recent Technology and Engineering,	8 (2S11)	2019	https://doi.org/10.35940/ijrte.B1001.982S1119
3	Baruah Namrata, Sarkar Satyaki, Roy Bimal Chandra, Sinha Rajan Chandra	Quantitative analysis of sound absorption properties of plants in indoor environment for enabling sustainable practice	International Journal of Environmental Technology and Management	22 (4/5), pp. 223-235	2019	https://doi.org/10.1504/IJETM.2019.104750

4	Danish, M., Chakraborty, M.	Measuring the tourist service satisfaction: Factor analysis-based study at red fort complex	International Journal of Recent Technology and Engineering	7 (6)	2019	2277-3878
2018						
Sl. no	Authors	Title	Journal /Proceeding	Vol. No., Issue no. pp	Year	ISSN
1	Sinha Rajan C., Sarkar Satyaki, Mandal N.R.,	Development of quality indicators for multi-family residential buildings in India – a Delphi analysis	International Journal of Sustainable Society	10 (2), pp. 96-122	2018	https://doi.org/10.1504/IJSSOC.2018.094500
2	Misra, S., Chakraborty, M., Mandal, N.R.	Critical regionalism in the post-colonial architecture of the Indian subcontinent	Journal of Architecture and Urbanism	42 (2), pp. -103-111	2018	https://doi.org/10.3846/jau.2018.6140
3	Chandra, G., Chakraborty, M., Sinha, A.K.	WSI OC: The Water Sustainability Index for Office Complexes	Asian Journal of Water, Environment and Pollution	15 (2) pp.-223-238	2018	https://doi.org/10.3233/AJW-180035
2017						
Sl. no	Authors	Title	Journal /Proceeding	Vol. No., Issue no.pp	Year	ISSN
1	Sinha Rajan C., Sarkar Satyaki, Mandal N.R.,	An Overview of Key Indicators and Evaluation Tools for Assessing Housing Quality: A Literature Review	Journal of The Institution of Engineers (India): Series A	98 (3), pp. 337- 347	2017	https://doi.org/10.1007/s40030-017-0225-z
2	Gupta, J., Chakraborty, M., Paul, A., Korrapati, V.	A comparative study of thermal performances of three mud dwelling units with courtyards in composite climate	Journal of Architecture and Urbanism	41(3), pp. -184–198	2017	https://doi.org/10.3846/20297955.2017.1355276
3	Chandra, G., Chakraborty, M., Sinha, A.K.	Framework for Assessing Efficient Water Consumption Attributes and Their Relative Importance in Office Complexes	Asian Journal of Water, Environment and Pollution	14 (3) pp. 65-74	2017	https://doi.org/10.3233/AJW-170027
4	Panda, S., Chakraborty, M., Misra, S.K.	Evaluation of India's urban social sustainable development using a composite index	International Journal of Architectural Research	11(1):157-180	2017	https://doi.org/10.26687/archnet-ijar.v11i1.1119

5	Dr. Manjari Chakraborty, Janmejy Gupta	An approach towards supplementing Climate responsiveness of Vernacular Habitats	Shashwat-Transforming Habitats	3 pp- 49-53	2017	
6	Sudha Panda, Dr. Manjari Chakraborty, Dr Santosh Kumar Mishra	Evaluation of India's Urban Social Sustainable Development using a composite index	International Journal of Architectural Research – Archnet-IJAR-regular section Peer reviewed,	11 (1)	2017	https://doi.org/10.26687/archnet-ijar.v11i1.1119
7	Anamika Nandan, Manjari Chakraborty	Symbiotic Housing: A more tangible approach for resolving the deteriorating existing housing conditions in Indian Urban settings	International Journal of latest technology in Engineering, Management and Applied Science	VI (V), pp – 36-40	2017	2278-2540
8	Gaurav Chandra, Manjari Chakraborty, A. K. Sinha	Framework for Assessing Efficient water consumption attributes and their relative importance in Office Complexes	Asian Journal of water, environment and pollution -	14 (3), pp – 65-74	2017	https://doi.org/10.3233/AJW-180035

2016

Sl. no	Authors	Title	Journal /Proceeding	Vol. No., Issue no.pp	Year	ISSN
1	Dash Monalipa, Chakraborty M.	Bio Climatic analysis of Bhubaneswar – An investigation to arrive human comfort through natural ventilation	International Journal of Scientific and Research publications	6 (5), pp. 557-560)	2016	2250-3153
2	Panda S., Chakraborty M. and Misra S. K.	Deriving a thematic framework for measurement of Urban Sustainability in India,	Journal of Civil Engineering and Environmental Technology (JCEET)	3 (1), pp. 34-38	2016	https://doi.org/10.1016/j.ijsbe.2016.08.001
3	Dash Monalipa, Chakraborty M.	City parameters and their impact on Urban Micro-climate – A review, International Journal of Applied Engineering Research,	International Journal of Applied Engineering Research	10 (21), pp. 41867-41872	2016	0973-4562
4	Rajan C. Sinha. Satyaki Sarkar	Housing Quality Evaluation Tools - A Comparative Study	International Journal of Innovative Research in Technology and Science	6 (2), pp.10	2016	2349-6002

5	Rajan C. Sinha. Satyaki Sarkar, N.R. Mandal	Adequate housing and quality of life-A literature review	Journal of Applied Research and Social Sciences	3 (3), pp-33-51	2016	2350-1472
6	Bimal C. Roy, Satyaki Sarkar	Impact of Infrastructure Availability on Industrial Development- A Micro and Macro Level Analysis for Resource Rich State of Jharkhand, India	Indian Journal Science and Technology	9 (5), pp – 1-7.	2016	0974-5645
7	Monalipa Dash, Manjari Chakraborty	Bio Climatic analysis of Bhubaneswar – An investigation to arrive human comfort through natural ventilation	Scientific and Research publications,	6 (5) pp-557- 560	2016	2250-3153
8	Sudha Panda, Dr. Manjari Chakraborty, S.K. Mishra	Assessment of Social Sustainable Development in Urban India by a composite Index	International Journal of Sustainable Built Environment	5 (2), pp - 435-50	2016	2212-6090
9	Sudha Panda, Dr. Manjari Chakraborty, Dr Santosh Kumar Mishra	Deriving a thematic framework for measurement of Urban Sustainability in India.	Journal of Civil Engineering and Environmental Technology (JC EET),	3 (1), pp-34-38	2016	2349-8404;
10	Rajan C. Sinha, Satyaki Sarkar, Bimal C. Roy,	Forging Urban Development through Literacy Improvement for Less-developed States Study of Jharkhand,	International Journal of Chemical, Metallurgical and Civil Engineering,	3 (1), pp – 13-16,	2016	2349-1442
11	Bimal C. Roy, Satyaki Sarkar	Impact of Infrastructure Availability on Industrial Development- A Micro and Macro Level Analysis for Resource Rich State of Jharkhand, India	Indian Journal Science and Technology	9 (5), pp – 1-7.	2016	https://doi.org/10.17485/ijst/2016/v9i5/75981

2015

1	Gupta,J. and Chakraborty, M.	Perimeter-area ratios and thermal discomfort due to excess heat in rural mud architecture of Jharkhand: A study through simulation and temperature measurements in composite climate.	International Journal of Applied Engineering Research.	10 (7), pp. 17503- 17518.	2015	https://dx.doi.org/10.37622/IJAER/10.7.2015.17503-17518
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2014

1	Bimal C. Roy, Satyaki Sarkar, N.R. Mandal, S.K. Pandey	Role of Institutions in Economic Performance: An Empirical Study of interstate Differences in Indian States with reference to Jharkhand	European Scientific Journal	10 (10), pp 313 -335	2014	1857-7881
2	Bimal C. Roy, Satyaki Sarkar, N.R. Mandal	The Link between Institutions and Industrial Development: An Empirical Study of Indian States	International Journal of Engineering, Business and Enterprise Application	(1), pp – 6-12	2014	2279-0020
3	Bimal C. Roy, Satyaki Sarkar, N.R. Mandal, S.K. Pandey,	Impact of Infrastructure availability on level of Industrial Development In Jharkhand, India: a district level analysis,	International Journal of Technological Learning, Innovations and Development,	7 (2), pp-93 – 123	2014	1753-1942
4	Panda S., Chakraborty M. and Misra S. K.	Comparative Analysis of different urban sustainability practices,	Journal of Civil Engineering and Environmental Technology (JCEET)	1 (5), pp 98-105	2014	2349-8404,
5	Saharan Sohan lal Chakraborty M, Mandal N R	Master Planning approach for city infrastructure development: A case study of Chandigarh City	ABACUS, Spring 2014,	9 (1), pp. 51-57.	2014	0973-8339
6	Smriti Mishra, Jaydip Barman, Shahsi Kant Pandey	Local Resident's perception of Social Impacts of Urban Riverfront Development: Case of Sabarmati Riverfront Development Project,	ABACUS- A Biannual Internationally Refereed,	9 (1), pp. 09-25,	2014	0973-8339

2013						
1	Gupta,J. and Chakraborty, M.	Simulation and On-Site Measurement Methods to Study Thermal Performance of Rural Mud Hut in Humid Sub-Tropical Climate: A Case-Study in Jharkhand, India, International	Journal of Engineering Research & Technology.	2 (6), pp. 1243- 1273.	2013.	2278-0181
BOOK CHAPTER PUBLICATIONS						
2025						
Sl. no	Authors	Title	Name of the book & Publisher	Issue No. vol. no. pp	Year	ISBN*
1	Tanima Ray, Sarkar Satyaki, & Payra S.	Building Heritage Resilience in the Age of Climate Change: A Discussion on Cultural Preservation and the Future of Conservation	Futureproofed Sustainability Amidst Climate Change Polycrisis: Advancing SDGs and ESG for the Cities of Tomorrow, IGI Global	pp. 435-466	2025	9798337323275
2	Sneh Prabha, Sarkar Satyaki., & Roy Supriyo	Review of the Indicators for Assessing Socio-Economic Development, Social Innovation and Entrepreneurship Development in small heritage town: Approaching Sustainability	Social System Reforms to Achieve Global Sustainability, IGI Global.	pp. 421-442	2025	979-833-73-1280-4
3	Boricha Jinal., Sarkar Satyaki., & Prasad Prashant	Reclaiming Streets of an Inner Urban Core with the place-making approach: A case of Surat City	Lecture Notes in Civil Engineering, Vol. 417,	pp. 253-286	2025	978-981-97-9653-3
4	Sarkar Satyaki	Investigating Urban Conservation and Spatial Conflicts in Kolkata's European Architectural Heritage: An Analysis of Dalhousie Square Case Study	Preserving Cultural Heritage in Post-Disaster Urban Renewal, IGI Global	pp. 311-346.	2025	979-836-93-9097-9
5	Kazmi, R., & Chakraborty, M.	Circular Economy in the Construction Industry in India: An Approach for Sustainable Future.	Sustainable Smart Cities and the Future of Urban Development, IGI Global Scientific Publishing	pp. 417-442	2025	

6	Kazmi, R., & Chakraborty, M.	Use of Different Forms of Waste Promoting a Circular Economy in the Construction Industry: A Systematic Literature Review. In International Conference on Environmental Geotechnology	Recycled Waste Materials and Sustainable Engineering , Springer, Singapore	pp. 193-204	2025	
7	Aditi Nag & Smriti Mishra	Heritage-Led Destination Management: Strategies for Competitive Advantage	Cases on Effective Destination Management, IGI Global	pp. 285-324.	2025	9798337320809
8	Vivek Garg, Mitali Madhusmita, Bimal Chandra Roy,	Implications of Sustainable Resilient Affordable Housing as a Solution to Climate Change: A Case of Madhya.	Sustainable Technologies for Water and Environment Under Climate Change Scenario. SMET 2024		2025	978-981-96-9840-0
9	Nishat Afshan & Bimal Chandra Roy	Planning for Improvement of Basic Infrastructure of Slums within Patna Municipal Corporation, Bihar, India: A Comparative Case Study	Sustainability and Urban Quality of Life, Routledge India	pp. 124-146,	2025	9781003604358
10	Apurva Gupta, Bimal Chandra Roy, & Anuj Kumar Toppo	An Assessment of Urban Density Pattern Evolution in Smaller Urban Agglomerations, Using GIS Modelling: A Case Study of Ambikapur City	Sustainability and Urban Quality of Life, Routledge India	pp. 341-356,	2025	9781003604358
11	Tiwari Pavan Kumar, & Bimal Chandra Roy	Foucauldian Genealogy as Qualitative Research Method	Qualitative Research Methods for Dissertation Research, Editor: Robin Throne. IGI Globa	Pp.12	2025	9798369330692
12	Barman, A., Sharma, A., Kumar, Ashutosh, Anand, R	Traditional Stormwater Management for Urban Resilience: An Analysis of “Ahar and Pyne” System in Sone Floodplains in the Suburbs of Patna, Bihar, India	Towards the Framework of Livable and Resilient Cities. Advances in Science, Technology & Innovation. Springer, Cham		2025	10.1007/978-3-031-97849-4_8
2024						
1	Boricha Jinal, Sarkar Satyaki., & Prasad	Inclusive city design for future megacity – Reclaiming streets through place-making	Urban Planning and Design for Mega cities in the Global	pp. 89-114,	2024	978-981-97-8369-4, 978-981-97-8372-4

	Prashant.	in an inner urban core of Surat, India.	South, Springer Nature.			
2	Sarkar Amrita, Sarkar Satyaki	Conceptual framework for application of ANN model in accident prediction – a study of Central Kolkata	Theoretical and Conceptual Frameworks in ICT Research, IGI Global.	pp.50-76	2024	9781799896876
3	Aditi Nag, Smriti Mishra	Predictive analytics for heritage site visitor patterns	Utilizing Smart Technology and AI in Hybrid Tourism and Hospitality, IGI Global.	pp 140-185	2024	10.4018/979-8-3693-1978-9.ch007
4	Aditi Nag, Smriti Mishra	Sustainable Competitive Advantage in Heritage Tourism: Leveraging Cultural Legacy in a Data-Driven World Free	Review of technologies and disruptive business strategies	pp 137-162	2024	10.1108/S2754-586520240000003008
5	Manish Nair, Shama Parween, Rajan C. Sinha	Leveraging Nature-Based Solutions for Urban Resilience and Climate Adaptation	Cities of Tomorrow: Urban Resilience and Climate Change Preparedness. Urban Sustainability. Springer, Singapore	Pp 169-191	2024	https://doi.org/10.1007/978-981-97-9658-8_9
2023						
1	Nag Aditi, Sarkar Satyaki	Crisis in Motion: Unraveling the Impact of Covid -19 on Migration and Sustainable Survivability in Chandil, Jharkhand	Achieving the Sustainable Development Goals Through Infrastructure Development, IGI Global	pp. 146-197	2023	9798369307946
2	Varsh Vinod, Sarkar Satyaki, Roy Supriyo	Proposed Methodological Framework for Assessing the Economic Value of Heritage Town and Local Economic Phenomena	Exploring Culture and Heritage Through Experience Tourism, IGI Global	pp. 1-12	2023	9781668499573
3	Jasoriya K., & Prasad P.	Optimizing crowd flow in grandstand arrangements.	ARCS 7.0, Sustainable Urbanism in the Global South		2023	978-81-954005-2-2
4	Choudhary N., & Prasad P.	Geometry augmentation for spatial development to optimize pedestrian flow and circulation	ARCS 7.0, Sustainable Urbanism in the Global South		2023	978-81-954005-2-2

5	Aditi Nag, Smriti Mishra	Unlocking the power of stakeholder perception: Enhancing competitive heritage planning and place-making	Exploring culture and heritage through experience tourism, IGI Global	196-226	2023	10.4018/978-1-6684-9957-3.ch015
6	Aditi Nag, Smriti Mishra	Destination competitiveness and sustainability: Heritage planning from the perspective of the tourism industry stakeholders	Cases on traveler preferences, attitudes, and behaviors: Impact in the hospitality industry, IGI Global	1-32	2023	10.4018/978-1-6684-6919-4.ch001
2022						
1	Sarkar Satyaki, Naskar Poulati	Formulating strategies for alternative growth nodes by analyzing future activity centers for a better city – A case of Siliguri city	Handbook of Research on Technological Advances of Library and Information Science in Industry 5.0, IGI Global	pp. 430-462	2022	9781668447550
2	Sarkar Amrita, Sarkar Satyaki	Comparing Conventional Methods with Fuzzy logic for Quantifying Road Congestion: – Evidence from Central Kolkata India	Handbook of Research on Technological Advances of Library and Information Science in Industry 5.0, IGI Global	pp. 330-354	2022	9781668447550
2016						
1	Smriti Mishra, Jaydip Barman, Shahsi Kant Pandey	Local Resident's perception of Social and Economic Impacts of Urban Riverfront Development: Case of Sabarmati Riverfront Development Project, Springer Singapore ISBN	Understanding Built Environment: Proceedings of the National Conference on Sustainable Built Environment 2015 (Eds.),	Editors: Seta, F., Biswas, A., Khare, A., Sen, J.	2016	978-981-10-2136-7
2015						
1	Bimal C. Roy	Development and Conflicts, Published by Nirmala College, Ranchi, in association with University Grants Commission, Eastern Region Office, Kolkata, 2015	Book Chapter		2015	ISBN: 978-93-80036-75-5

BOOKS					
Sl no	Authors	Title	Publisher	Year	ISBN
1	Mishra, U. C., Sarkar, S.	Socially Acceptable Affordable Housing - An Analytical Approach – studies of Northern India	Lap Lambert Academic Publishing AG Co Kg,	2025	978-620-7-99735
2	Rajan Chandra Sinha	Determinants of habitable quality for multi-family residential buildings in India	International Society for Green, Sustainable Engineering and Management	2019	978- 93-88936-00-2
2	Bimal C. Roy	Industrial development strategy for resource-based regions with reference to Jharkhand, India, Published by	LAP Lambert Academic Publications, Germany	2015	978-3-659-80233-1
3	Manjari Chakraborty	Designing Better Architecture Education- Global Realities and Local Reforms	COPAL Publication	2014	978-93-83419-12-8
4	Sarkar Satyaki.	Urban Development Strategy for a Newly Constituted State - Jharkhand, India	VDM Verlag Dr. Müller e.K	2011	978-3-639-35348-8
5	Sarkar Satyaki.	Integrated Conservation of the Historic Urban Core	Lap Lambert Academic Publishing AG Co Kg	2011	978-3-844-33240-7, 2