

Basudatta Sarkar

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India

Registered with Council of Architecture India
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EDUCATION

PhD in Urban and Regional Planning

Assessment of Socio-economic Vulnerability Using Select
Indicators: A Case of West Bengal

2011-2016

Indian Institute of Technology
Kharagpur

Master of City Planning

Specialization in city planning
8.37 CGPA

2009-2011

Indian Institute of Technology
Kharagpur

Bachelor of Architecture

7.7 CGPA (73.2%)

2004-2009

IEST Shibpur

Higher Secondary Examination

81.2%

2003

West Bengal Council of Higher
Secondary Education

Secondary Examination

81.25%

2001

West Bengal Board of
Secondary Education

TEACHING EXPERIENCE

Assistant Professor

Department of Planning and Architecture
National Institute of Technology Rourkela
India

June 2015 – present

Teaching Assistant

Department of Architecture and Regional Planning
Indian Institute of Technology Kharagpur
India

July 2011 – June 2015

ADMINISTRATIVE EXPERIENCE

Head of the Department

Department of Planning and Architecture
National Institute of Technology Rourkela
India

August 2016 – June 2020

CONSULTANCY PROJECT

Landscape design of Industrial Training Institute, Hirakud with focus on sustainable measures.

SPONSORED RESEARCH

Developing guidelines for trans-generational cities and urban communities (Collaborative project with Indian Institute of Technology Kharagpur). Sponsored by Indian Council of Social Science Research in collaboration with Indian Institute of Technology Kharagpur

AWARDS AND FELLOWSHIPS

- Institute Scholarship by Indian Institute of Technology Kharagpur for Doctoral Research (2011-2015)
- Qualified Graduate Aptitude Test (GATE) with all India rank 33 securing Ministry of Human Resource and Development scholarship for post-graduation (2009-2011)
- Scholarship of Merit by the Department of Education, Government of West Bengal for interstate 104 ranking in secondary examination

SHORT TERM COURSE

Lead trainer for Academic Certification Program on Infant-Toddler Caregiver friendly Neighbourhoods (ITCN) for Young Professional in collaboration with SPA Delhi, National Institute of Urban Affairs and Bernard van Leer Foundation Netherlands

PHD SUPERVISIONS

- A framework for understanding population mobility by regional accessibility and remoteness measurement approach
- Understanding synergy between MSME clusters and urban spatial indicators
- Exploring the possibilities and limitation of easeness of living index
- Method to quantify effect of building form on urban heat island

PUBLICATIONS (last six years)

1. Sarkar B., Banerji H. (in press). Designing Trans-Generational Urban Communities: An Approach towards Inclusive Cities in the Indian Context, Routledge India
2. Singh, S. S., and Sarkar, B. (2022). Cumulative opportunity-based accessibility measurement framework in rural India. *Transport Policy*, vol.117, no.3, pp.138-151
3. Singh, S. S., and Sarkar, B. (2022). Transport accessibility and affordability as the determinant of non-motorized commuting in rural India. *Transport Policy*, vol.118, no.1, pp.101-111
4. Sarkar, B., Bhowmik, S., Banerji, H., and Sen, J. (2022). ICT-Based Smart Solution to Assessment of Socio-economic Vulnerability and Necessary Interventions by Local Government. *Smart Cities and Smart Communities*, ch.18, vol.294, pp.433-457, Springer, smart innovation, systems and technologies
5. Sarkar, B. (2022). Right to the city and shaping urban infrastructure. Invited lecture at INFRAMEET 2022 (to be conducted in November 2022)
6. Dharani, K. S., Sarkar, B. (2022). Sustainable Revolution for a Greener Planet – Possibilities in the Indian Context. REALCORP 2022 (to be conducted in November 2022)
7. Mandal M., Sarkar B. (2022). Impact of Therapeutic Urban Landscape in Urban Architecture. 50th Conference of Urban Affairs Association. Washington DC.

8. Mandal, M., Das, A., Sarkar, B., & Banerji, H. (2021). Making places and creating identity through organized green spaces: Case of a tier-2 Indian industrial city. SPAST Abstracts, 1(01). Retrieved from <https://spast.org/techrep/article/view/606>
9. Sarkar B., Banerji H. (2019). Everyones Right to the City: Understanding Trans-generational Cities. 49th Conference of Urban Affairs Association. Los Angeles.
10. Sarkar B., Banerji H., Sen J. (2016). Assessment of Socio-economic Vulnerability using select Indicators. 52nd Annual Congress of International Society of City and regional Planners (ISOCARP).