

Brief Curriculum Vitae

Dr. Amit Chatterjee

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Dr. Amit Chatterjee has a combined experience of more than one and half decades in teaching, research and industry and is presently an Associate Professor in the Department of Geography at Visva-Bharati University, Santiniketan, India. Prior to join Visva-Bharati University, Dr. Chatterjee worked as an Associate Professor at Sidho-Kanho-Birsha University (SKBU) and Assistant Professor and Programme Coordinator (Master of Planning with specialization in Urban and Regional Planning) at the School of Planning and Architecture (SPA), Bhopal (An Institute of National Importance, under Ministry of Education, Government of India). His research interest includes urban sustainability, land and environment. Dr. Chatterjee served the industry in various capacities. He had the experience for working for mega planning projects, including Navi Mumbai Special Economic Zone, Dholera town planning scheme, besides formulating the twin city development plan, highway projects in PPP mode, slum-free city planning under RAY across various cities in India. Dr. Amit has completed successfully a number of collaborative research and consultancy projects, including those on Urban Co-benefits (UNU-IAS, Japan), Urban Missions in India- targets, performance and linkages to UN-SDGs (GIZ), Politics of Care in Pandemic Time (UCL's Global Engagement Funds), Urban Biodiversity (UNU-IAS, Japan), Shelter for All under Design Innovation Centre (Govt. of India), National Rurban Mission (Ministry of Rural Development, Govt. of Madhya Pradesh), Spatio-temporal and Socio-economic rural transformation in Madhya Pradesh (Indian Council of Social Science Research) and Development Plan of Saugor Cantonment Area (Saugor Cantonment Board, Ministry of Defence, Govt. of India). Dr. Amit is a member of various professional organizations like International Society of City and Regional Planners (ISOCARP), Institute of Town Planners, India (ITPI), Institute of Urban Transport (IUT), India, National Association of Geographers, India (NAGI), etc. Dr. Chatterjee had published a co-authored book titled 'Satellite towns in Neo-Metropolitan Development in India-Lessons from Selected Cities' by Springer. Dr. Amit received appreciation from The United Nations Human Settlements Programme (UN-Habitat) in recognition of contribution towards Sustainable Cities Project in India. He had presented research papers in conferences like ISOCARP, RSAI, RGS, AUC, etc. His research articles appeared in publications like Routledge, Springer, ISOCARP, etc.

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Selected Research and Consultancy Projects:

- Development Plan of Saugor Cantonment, Funded by Saugor Cantonment Board, **Ministry of Defence, Govt. of India** (Team Leader, Completed)
- Co-benefits approach to Waste Management: A case of Surat, India, funding Agency - **United Nations University- Institute of Advance Studies (UNU-IAS)**, Japan (Completed, Co-Investigator)
- Politics of Care in Pandemic Time: North-South Knowledge sharing on Civil Society Solidarity Networks in London and Kolkata, Funded by **University College of London's Global Engagement Funds 2020/21** (Co-PI, Global Collaborator)
- Collaborating for Climate. UK-India faculty, curriculum and network development project for Climate and Carbon Management, (Under Knowledge Economy Partnerships), Funded by **British Council** (Partners Queens University, Belfast, IIT, Delhi, Completed, Co-Investigator)
- Advancing locally based Green Practices to realize establishment of Sound Material Cycle Society in Asian Cities, funded by **Asia Pacific Network (APN)** (Completed, Team member)
- Urban Missions in India: targets, performance and linkages to UN-SDG and Covid-19 Resilient urban Development, Funded by **The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ)** (Expert, Completed)
- Design Innovation Centre (DIC), theme 'Shelter for All', Funded by **Ministry of Education, Govt. of India** (Team Member, Completed)
- National Rurban Mission (NRuM), 'Plans of Seven Cluster Development Madhya Pradesh, Funded by **Ministry of Rural Development, Govt. of Madhya Pradesh** (Co-PI).
- Politics of Care in the Pandemic Time: Investigating Infrastructure of Solidarity Networks, Funded by **The Bartlett Development Planning Unit, University College of London** (Co-PI, Global Collaborator)
- Review of Area Based Development proposal of Bhopal Smart City, Funded by **Bhopal Smart City Development Corporation Limited (BSCDCL)** (Completed, Team Member)
- Global Studio on Local Biodiversity Strategies and Action Plan for Urban Areas of Bhopal, Partners-UNU-IAS, ICLEI, MP State Biodiversity Board, Funding Agency- **Madhya Pradesh State Biodiversity Board** (Coordinator, Completed)
- Impact Assessment of Water supply to Gas Affected areas of Bhopal, India, Bhopal Municipal Corporation (SMC), Bhopal, Madhya Pradesh (Team Member, Completed)
- Twin City Development Strategy of Baruch and Ankaleshwar, Funded by Gujarat Industrial Development Board (GIDB), India (Urban Planner, Completed)

- Town Planning Scheme 1 (Area 51 sq. km), Funded by Dholera Special Investment Region Development Authority, Gandhinagar, India (Urban Planner, Completed)
- Slum free city planning under Rajeev Awas Yojana (RAY), Funded by Kota Development Authority, India (Urban Planner, Completed)

Selected Publications

A. Book:

- Chatterjee A, Chattopadhyay RN (2020) Satellite Towns in Neo-Metropolitan Development in India – Lessons from Selected Cities, Springer, Singapore (e Book ISBN: 978-981-15-1502-6, Hardcover ISBN: 978-981-15-1501-9, DOI: 10.1007/978-981-15-1502-6) (*Scopus Indexed Series*)
https://link.springer.com/chapter/10.1007/978-981-15-1502-6_3

B. Book Chapters, White Paper:

- Tiwari V, Chatterjee A (2022) “Application of Artificial Neural Network in Master Planning—A Case of Simulating the Land Use and Land Cover Changes in Bhopal”, pages 83-108, In: Vinod Kumar, T.M. (ed.) Smart Master Planning for Cities. Advances in 21st Century Human Settlements. Springer, Singapore. (*Scopus Indexed*) https://link.springer.com/chapter/10.1007/978-981-19-2564-1_2
- Ray R, Chatterjee A, Dutta K, Sousa Limbu D (2022) “Reimagining Infrastructure of Care in the Pandemic Time: Sketches from Kolkata”, Chapter 8, 14 pages, In: Emma O'Dwyer, Luiz Gustavo Silva Souza (ed.) Psychosocial Perspectives on Community Responses to Covid-19, Routledge, London (*Scopus Indexed*)
[Reimagining Infrastructure of Care in the Pandemic Time: Sketches from \(taylorfrancis.com\)](https://link.springer.com/chapter/10.1007/978-981-19-2564-1_2)
- Bagdi S, Mondal M, Chatterjee A (2022) “Gas Tragedy and COVID-19 Vulnerabilities: An Analysis of Health Infrastructure in Bhopal, India”, pages 99-114, In: Vinod Kumar, T.M. (eds) COVID 19, Containment, Life, Work and Restart. Advances in 21st Century Human Settlements. Springer, Singapore. (*Scopus Indexed*) https://link.springer.com/chapter/10.1007/978-981-19-5940-0_2
- Chatterjee A, Dasgupta P, Vaidya G (2021) “Smart Mega Global City: A Roadmap of Mobility as a Service for Mumbai”, pages 221-249, In: Vinod Kumar, T.M. (ed.) Smart Global Megacities. Advances in 21st Century Human Settlements. Springer, Singapore. (*Scopus Indexed*)
https://link.springer.com/chapter/10.1007/978-981-16-2019-5_5
- Chatterjee A, Dasgupta P, Vaidya G, NK Paulose (2020) “Exploring Livability in the era of Smart City”, pages 103-144, In: Vinod Kumar, T.M. (ed.) Smart Living for Smart Cities. Springer, Singapore. (*Scopus Indexed*)
https://link.springer.com/chapter/10.1007/978-981-15-4603-7_3

- Chatterjee A., Choudhury B., Dasgupta P., Vaidya G. (2018) “Towards a Smart Metropolitan Region: A Roadmap for Transforming Bangalore Metropolitan Region”, Chapter 6, pages 359-400, In: Vinod Kumar, T.M. (ed.) Smart Metropolitan Regional Development. Springer, Singapore. (*Scopus Indexed*) https://link.springer.com/chapter/10.1007/978-981-10-8588-8_6
- Chatterjee A., Kapshe M., Choudhury B., Bade S. (2018) “Co-benefits of Waste to Energy”, Chapter 8, pages 191-209 In: Sethi M., Puppim de Oliveira J. (eds) Mainstreaming Climate Co-Benefits in Indian Cities. Exploring Urban Change in South Asia. Springer, Singapore, pp 191-209. (*Scopus Indexed*) https://link.springer.com/chapter/10.1007/978-981-10-5816-5_8
- Chatterjee A., Kapshe M., Kuriakose PN (2016) “Surat, India: Urban Innovation and Climate Co-benefits in Municipal Sewage Management”, Chapter 6.3, pages 212-218, In: Doll C., Puppim de Oliveira J. (eds) Urbanization and Climate Co-Benefits, Routledge UK (*Scopus Indexed*) [Surat, India | 21 | Urban innovation and climate co-benefits in munic \(taylorfrancis.com\)](https://www.taylorfrancis.com/chapters/10.1080/17447009.2016.1191111)

C. Edited Journal and Technical Report:

- Chatterjee A Mandal NR (2016) Issue Editor of peer reviewed Journal ‘SPANDREL’ (Theme: Making Cities Smart and Competitive), ISSN 2231-4601
- Chatterjee A, Puntambekar K (2012) Local Biodiversity Strategies and Action Plan Bhopal-2012 SPA Press, School of Planning and Architecture, Bhopal, Madhya Pradesh, India
- Chatterjee A (2018) “Surat, India as an example of a smart sustainable city”, Smart Sustainable City White Paper, Review 14, 54th International Society of City and Regional Planners (ISOCARP) Congress, Bodø, Norway.

D. Journal Publication:

- Madhavi P, Choudhury B, Chatterjee A (2022) “Evidence of Input Sharing and Labour Pooling in an Automobile Cluster of Central India” International Journal of Innovative Research and Scientific Studies, 5(4), 391-399, doi: 10.53894/ijirss.v5i4.958(*Scopus Indexed*) <http://www.ijirss.com/index.php/ijirss/article/view/958>
- Chatterjee A. (2021) “Contemporary Urban Missions and Reflecting Reality in Deprivation of Civil Areas in Indian Cantonments – A Pragmatic View” Journal of Settlement and Spatial Planning, 12(2), 71-81, doi: 10.24193/JSSP.2021.2.01. (*Scopus Indexed*) https://geografie.ubbcluj.ro/ccau/jssp/arhiva_2_2021/01JSSP022021.pdf
- Minhans, A., Chatterjee, A., Popli, S. (2020) “Public perceptions: An important determinant of transport users’ travel behavior”, Human Geographies-Journal of Studies and Research in Human Geographies, 14(2) 177-196 <http://dx.doi.org/10.5719/hgeo.2020.142.1> (*Scopus Indexed*)

<http://www.humangeographies.org.ro/volume-14-issue-2-2020/1421-abstract>

- Verma S., Chatterjee A., Mandal NR. (2017) "Analysing Urban Sprawl and Shifting of Urban Growth Centre of Bengaluru City, India Using Shannon's Entropy Method", *Journal of Settlement and Spatial Planning*, 8(2) 89-98
<https://doi.org/10.24193/JSSP.2017.2.02> (*Scopus Indexed*)
https://geografie.ubbcluj.ro/ccau/jssp/arhiva_2_2017/02JSSP022017.pdf
- Chatterjee S, Chatterjee A, Nandi P (2017) "Analysing Socio-cultural Transformation among Tribal communities: a case of Birbhum District, West Bengal", *The Spatio- economic Development Record (SDR)* 24(2), 32-39.
- Bhargava T, Chatterjee A (2017) "Co-benefits of Municipal Sewage Management: A case of Jaipur (India)", *SPACE*, 21 (1-2), 95-109.
- Rietveld LC et al. (2016) "Improving health in cities through systems approaches for urban water management", *Environmental Health* 15(1):31, page 151-171
<https://ehjournal.biomedcentral.com/articles/10.1186/s12940-016-0107-2> (Co-author) (***Scopus Indexed, Impact Factor 4.817***)
<https://ehjournal.biomedcentral.com/articles/10.1186/s12940-016-0107-2>
- Kumar R, Chatterjee A, Mehra J (2016) "Backwardness index for the Naxal affected Districts, Case Study: Bihar", *International Research Journal of Engineering and Technology*, Vol 3 (4) 1965-1968.
- Chatterjee S., Nandi P., Chatterjee A (2016) "Analysing relationship between general and tribal status on Human Development: a case of Birbhum District, West Bengal", *Hill Geographer*, Vol 32 (2) 99-107.
- Chatterjee A, Chatterjee S (2016) "Sustainable Metropolitan Development using Carrying Capacity as a tool: a case of Mumbai Metropolitan Region, India", *International Advanced Research Journal in Science, Engineering and Technology*, Vol 3 (4) 32-35
- Chatterjee A, Verma S (2016) "Analyzing Carrying Capacity of a Metropolis through Geo-Spatial Analysis: case of Bangalore City", *Indian Cartographer*, 36 (Part II): 46-52.
- Chatterjee A, Chatterjee S (2015) "Satellite town Development in India in Retrospect and Prospect: A case of Navi Mumbai", *Spandrel*, Issue 9, 1-10.
- Khan A, Chatterjee A (2014) "Information Technology Boom in Pune: Retrospect and Prospect", *The Spatio- economic Development Record (SDR)*, Vol. 21 (6) 128-135.
- Chatterjee A (2011) "Town Planning Scheme – An Effective mechanism of land management: Gujarat Model", *Indian Journal of Landscape System and Ecological Study*, Vol. 34(1) 569-576.
- Chatterjee A (2010) "Planning strategy for the development of a backward region in West Bengal – case study of Purulia district", *Man and Life*, Vol. 36(1-2), 155-168.

- Chatterjee A, Moorthy R.S. (2010) “Regional Road Network Analysis for Prediction of Link Load in Eastern Mumbai Metropolitan Region”, Indian Journal of Regional Science, Vol. 42 (2), 87-94.

E. Conference Proceedings (Full Paper Published)

- Abdullah A, Chatterjee A (2019) “The high cost of urban governance: Evidence from Kerala”, International Conference on Future Cities-2019, Department of Architecture and Planning, Indian Institute of Technology, Roorkee, 11-13 December, 2019
- Chatterjee A., Chatterjee S., Chattopadhyay R.N. (2016) “Transforming Mumbai city: removing the bottlenecks to achieve future sustainability”, 52nd International Society of City and Regional Planners (ISOCARP), 12-16 September, 2016, Durban, South Africa, Proceedings of the 52nd ISOCARP Congress 1-3: 296-305

International Conference Paper Presented/Invited Lectures:

- “Do the Contemporary Urban Policies and Missions focuses beyond Megacities in India?”, **Royal Geographical Society with the Institute of British Geographers (RGS-IBG) Annual International Conference 2019**, 27-30th August, 2019, Imperial College, London
- **Organize and Chair Special Session 12 (theme: Transforming Metropolitan Regions: Ideas and Examples) in 12th Regional Science Association World Conference (RSAI), Goa, 2018**
- “Urban Innovation and Climate Co-benefits in Municipal Waste Management: Lessons from three Indian Cities”, 14th International Asian Urbanization Conference, 11-13th January, 2018, King Mongkut’s Institute of Technology Ladkrabang (KMITL), Bangkok
- **“Pathways to Metropolitan Regional Sustainability: Challenges and Opportunities for Mumbai Metropolitan Region”, 14th International Asian Urbanization Conference, 11-13th January, 2018 King Mongkut’s Institute of Technology Ladkrabang (KMITL), Bangkok, Thailand**
- “Analyzing Carrying Capacity of a Metropolis through Geo-Spatial Analysis: case of Bangalore City”, 36th INCA (Indian National Cartographic Association) International Congress, 2016, Visva-Bharati University, Santiniketan, West Bengal, India.
- **“Transforming Mumbai city: removing the bottlenecks to achieve future sustainability”, 52nd International Society of City and Regional Planners (ISOCARP), 12-16 September, 2016, Durban, South Africa, 2016**
- Urban Development with Climate Co-Benefits in waste management, International Conference Urban Development with Climate Co-Benefits: Aligning

Climate, Environmental and Other Development Goals in Cities, New Delhi, organized by TERI, UNU-IAS and SPA-Bhopal, 2013

- Low carbon cities in Indian scenario, Knowledge Economy Partnerships organized by British Council in Project Coordinators Meet, IISER, Pune, 2014
- **Urban Dynamics: Challenges to contemporary planning process, under Faculty Development Programme, organized by Nehru School of Architecture and Council of Architecture-Training and Research Centre, 2021 (Resource Person)**
- **Resilient City Planning, under Faculty Development Programme, organized by Nehru School of Architecture and Council of Architecture-Training and Research Centre, 2021 (Resource Person)**
- **Planning for making cities Resilient towards climate change, organized by Regional Centre for Urban and Environmental Studies, Lucknow (under Govt. of India) and Council on Energy, Environment and Water (CEEW) New Delhi, 06 June, 2022 – World Environment Day (Resource Person)**
- **Revisiting Indian Cantonments (Civil Areas), Haryana Regional Chapter, Institute of Town Planners, India, 23rd April, 2022 (Resource Person)**
- Role of Higher Educational Institutions in Transformation of Peri-urban Areas: A case of Bhopal, International Conference on Resurgence of Regions organised by Regional Science Association, India Co-hosted by Institute of Development Studies Kolkata in collaboration with Regional Science Policy and Practice, December 08-10, 2021

Paper Reviewer:

- Environment, Development and Sustainability (Springer)
- Journal of Urban Affairs (Routledge)
- Journal of Cleaner Production (Elsevier)
- Cities & Health (Taylor & Francis)
- GeoJournal (Springer)
- SPANDREL Journal
- Paper Mentor, ISOCARP, 2018, 2019 (under Mentor-Mentee Programme)
- 12th Regional Science Association World Conference, Goa, 2018
- 3rd Asian Regional Conference on Peri-urbanization, Bhopal, 2019

Awards and Achievements:

- **Received Certificate of Appreciation from The United Nations Human Settlements Programme (UN-Habitat) for Sustainable Cities Integrated Approach Pilot Projects (SCIAP) in India**
- Guided a Fulbright Scholar from Virginia Commonwealth University, USA (proposal awarded)