

Detailed Bio-data

Dr Surabhi Mehrotra

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CURRICULLUM VITAE

Surabhi Mehrotra is Assistant Professor in Maulana Azad National Institute Technology (MANIT), Bhopal with about 20 years of experience together in research, academics and consultancy. Her research interest focus is on inclusive planning, climate-responsive environment and urban infrastructure planning. She holds expertise in application of spatial analytical techniques for and framing policy guidelines for future urban and regional development. Surabhi is an environment expert who had worked extensively across range of geographies in India and abroad with local communities, stakeholders and decision makers. She holds expertise in application of spatial analytical techniques for urban planning and founder in-charge of 'Urban Informatics Lab' of MANIT Bhopal. She is recipient of research fellowship from Coalition for Disaster Resilient Infrastructure (CDRI) and heading research projects funded by Urban Studies foundation, UK and Indian Council of Social Science Research (ICSSR), Ministry of Education, Government of India. Beyond academia, has been actively engaged as member of National Wetland Committee (NWC), Govt of India and other state level committees as landscape planner and Socio-economic expert. She has trained government officials on environment applications, watershed management and resource planning while working with BISAG, Gujarat – a state level agency for application of Geoinformatics. Surabhi is an environment enthusiast and had worked extensively with communities, researchers and decision makers on environment issues.

Qualifications

Doctor of Philosophy (Ph.D): Center for Urban Science and Engineering (CUSE), Indian Institute of Technology Bombay, Mumbai, India.(2019)

Masters: Masters in Environmental Planning: CEPT, Ahmedabad, India (2001)

Graduation: Bachelors in Architecture: MANIT, Bhopal, India. (1999)

Membership of Professional Associations:

- International Association for Urban Climate [IAUC]
- International Society of City and Regional Planners [ISOCARP]
- Indian Society of Geomatics [ISG]
- Indian Society of Remote Sensing [ISRS]
- Indian Institute of Town Planners India [ITPI]
- Council of Architecture [CoA]

Work Experience (reverse chronological order)

Assistant Professor, Dept of Architecture and Planning, MANIT, Bhopal since January 2019

Research and consultancy Projects undertaken:

- Ensuring Livelihood security through resource optimization model for Tribal Areas of MP” funded by ICSSR (Major Project) 2023 - 2025 Govt of India (ongoing)
- Resilient Infrastructure Planning for Fragile Socio-Ecological System of Wetlands, Coalition for Disaster Resilient Infrastructure (CDRI)
- Calibrating urban liveability in the Global South: Gendered perspectives on climate, health, governance and policy” USF -Seminar Series Award, 2023-2024
- Vetting of Bhopal Development Plan 2031
- Spatial analytics and Slum Vulnerability to COVID 19

General Manager- Terracon Ecotech Pvt Ltd, Mumbai (2009-2014)

- Integrated Watershed Management for districts of Assam under SLNA project
- Environment Impact Assessment and Social Impact Assessment of saline embankments under NCRMP - World Bank funded NCRMP project, Maharashtra 2010
- Environment Impact Assessment of Ship building Yard, Dabhol, Maharashtra, JSW, 2012

GIS Expert: KEO International consultants/ SMEC Kuwait (2007-2008)

- Storm Water Drainage Master Plan –Phase II, Kuwait

Environment Researcher : Kuwait Institute of Scientific Research (KISR) , Kuwait (2005-2007)

- EIA of “The New Proposed Refinery [4th Refinery], Azzour Area, Kuwait”
- Kuwait Marine Environment studies: Integrated System for Flood Management in Shuaiba Area and its Vicinities, Kuwait.

Project Scientist: Bhaskaracharya Institute of Space applications and Geo-Informatics, Gujarat, India (2001-2003)

- Micro Watershed Atlas of Gujarat, BISAG, Gujarat, 2001
- Computation of Village Development Indices for the Gujarat State, India.
- Slum Information System, Slum Improvement workshop with Local NGOs.

Project Researcher: MPPCB Bhopal (Dec 2024)

- District wise Zoning Atlas for sitting of Industries, German Technical Cooperation (GTZ), Madhya Pradesh, India.
- Environment management Plan of Panchmarhi, M.P.

Awards and other Attainments:

- Japan Prize at International conference on urban climate, New York, USA, 2018 for the Best paper presentation (ICUC 10)
- Expert member in National Wetland Committee, Ministry of Environment, Forest and Climate Change (MoEFCC)
- Member of Expert Advisory Committee as Livelihood expert for Loktak Development Authority (LDA) Manipur, India)
- Vastu Shilpa Excellence Award for Best Thesis in Environmental Planning, 2001, CEPT, Ahmedabad, India.
- Young researcher Travel grant for International Conference on Urban Climate (ICUC11)
- Awarded Graduate Aptitude Test for Engineering (GATE) scholarship, year 2000