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<https://scholar.google.co.in/citations?user=VkaVOIAAAAAJ&hl=en>

EDUCATION

- **DOCTOR OF PHILOSOPHY, School of Planning and Architecture (SPA), Bhopal, India**
- **M. TECH, Transportation, Indian Institute of Technology (IIT), Madras, India**
- **BACHELOR OF ARCHITECTURE, Maulana Azad National Institute of Technology (MANIT), Bhopal, India**

EXPERIENCE

- **ASSISTANT PROFESSOR**, Department of Architecture and Planning, Maulana Azad National Institute of Technology, Bhopal, India (January 2019 – current)
- **MANAGER**, Public Transport Planning at ANI Technologies (OLA) Pvt. Ltd (February 2018 to December 2018)
- **MANAGER**, KPMG through Pyramid IT (May 2017 - February 2018)
- **SENIOR CONSULTANT (URBAN TRANSPORT)**, Urban Administration and Development Department (UADD), Govt. of Madhya Pradesh (October 2013 - May 2017)
- **ANALYST**, ImaCS (April 2013 - October 2017)
- **SENIOR MANAGER (PLANNING)**, DDF Consultants (September 2011 - April 2013)
- **TRANSPORTATION PLANNER**, HALCROW Consulting (CH2MHill) Company (December 2010 - September 2011)
- **TRANSPORTATION ENGINEER**, Dar Al Handasah (April 2009 - December 2010)
- **TEACHING AND RESEARCH ASSOCIATE**, Transportation Engineering Division, Department of Civil Engineering, Indian Institute of Technology (IIT), Madras, Chennai, India (May 2007 - March 2009)

RESEARCH PROJECTS

- **“EXPLORING SOCIAL EQUITY ISSUES OF PRESENT URBAN TRANSPORT SCENARIO IN INDIAN CONTEXT”** sponsored by Indian Council of Social Science and Research (ICSSR).
- **“STUDY OF DYNAMIC SPEED DISPLAY SYSTEM (2DS)”** sponsored by Maulana Azad National Institute of Technology (MANIT), Bhopal

CONSULTANCY PROJECTS

- **SMART CITIES AND ACADEMIA TOWARDS ACTION AND RESEARCH (SAAR) PROJECT** BY NATIONAL INSTITUTE OF URBAN AFFAIRS (NIUA), NEW DELHI
- **DHUBAIYA TALAAB**, UNDER MISSION AMRIT SAROVAR BY MINISTRY OF HOUSING AND URBAN AFFAIRS (MOHUA), GOVERNMENT OF INDIA.
- **LOCAL AREA PLAN (LAP) FOR PARO, BHUTAN** FOR MINISTRY OF INFRASTRUCTURE AND TRANSPORT, ROYAL GOVERNMENT OF BHUTAN

DEVELOPMENT PLAN PROJECTS

- MASTER PLAN FOR TRASHIYANGTSE TOWN, BHUTAN
- BLUE AND GREEN MASTER PLAN FOR BHOPAL UNDER SMART CITY MISSION
- CITY DEVELOPMENT PLAN (CDP) FOR 14 TOWNS OF MADHYA PRADESH
- ABD MASTER PLAN FOR RANCHI SMART CITY

TRANSPORT PLANNING PROJECTS

- DPR AND RFP FOR IMPLEMENTATION OF PUBLIC BICYCLE SHARING (PBS) AT RANCHI UNDER SMART CITY MISSION
- DPR FOR SMART ROAD FROM HEC GATE TO TUPUDANA AT RANCHI UNDER SMART CITY MISSION
- DPR FOR INTELLIGENT TRANSPORT SYSTEM (ITS) AT SMART CITY INDORE
- ESTABLISHMENT OF CITY BUS SERVICES IN 20 MAJOR CITIES OF MADHYA PRADESH UNDER AMRUT
- COMPREHENSIVE MOBILITY PLAN (CMP) FOR GANGTOK AND AGARTALA
- RIDERSHIP (BOARDING AND ALIGHTING) ASSESSMENT FOR THE RAPID METRO, GURUGRAM
- PEDESTRIAN MODELLING FOR MECCA MOSQUE EXPANSION
- WORLD BANK SPONSORED GEF 4 AND GEF 5 PROJECT IMPLEMENTATION AT BHOPAL AND INDORE

TRAFFIC ENGINEERING PROJECTS

- TRAFFIC ANALYSIS AND FINANCIAL ASSESSMENT FOR YAMUNA EXPRESSWAY
- DIVERSION ANALYSIS FOR NATIONAL EXPRESSWAY – 1, AHMEDABAD VADODARA
- TRAFFIC SURVEY AND TOLL ASSESSMENT FOR DURGAPUR PANAGAR SECTION OF NH-2
- TRAFFIC SURVEYS AND DATA ANALYSIS FOR MORE THAN 10 NATIONAL HIGHWAYS

PUBLIC POLICY PROJECTS

- STATE URBAN TRANSPORT POLICY FOR MADHYA PRADESH
- ADVERTISEMENT POLICY AND RULES FOR MADHYA PRADESH
- MADHYA PRADESH STATE PARKING POLICY
- TOD AND TDR POLICY OF MADHYA PRADESH
- ROAD SAFETY POLICY OF MADHYA PRADESH
- MADHYA PRADESH REAL ESTATE POLICY

AWARDS & MEMBERSHIPS

- **Awarded by Chief Minister of Madhya Pradesh** for designing Transportation Road Network and Urban Planning for Bhopal.
- **Secured All India Rank (AIR) – 24** in Graduate Aptitude Test in Engineering (GATE) of Planning & Architecture in year 2006.
- **Fellow**, United Habitat Forum (UHF) Ministry of Urban Development (MoUD), India
- **Certified Trainer**, Transport Planning, MoUD, India

- **Leader** in Urban Transport Planning (LUTP), the World Bank
- **Life Member**, Indian Road Congress (IRC), New Delhi
- **Life Member**, Transportation Research Group of India, IISc Bangalore
- **Life Member**, Indian Institute of Architects (IIA), India
- **Member**, Public Transportation Committee, Transportation and Development Institute (T&DI) USA
- **Member**, Institute of Urban Transport (IUT) India
- **Member**, Council of Architecture, India.
- **Member**, Institute of Transportation Engineers (ITE), U.S.A.
- **Member**, American Society of Civil Engineers (ASCE), USA
- **Member**, Institute of Civil Engineers (ICE), UK
- **Member**, International Society of City and Regional Planner (ISOCARP)
- **LEED GA** certified by United States Green Building Council (USGBC)

TRAINING PROGRAMS / SHORT-TERM COURSES / WORKSHOPS ORGANIZED

- **Conference Secretary**, 3 Days National Conference was Organized by the Department of Architecture and Planning MANIT, Bhopal, 1st Vision Zero Summit (A National Conference on Road Safety)
- **Coordinator**, 5 Days Short term training program was organized by Department of Architecture and Planning MANIT, Bhopal, on **Safe Mobility Planning to Reduce Road Fatalities- I**
- **Coordinator**, 5 Days Short term training program was organized by the Department of Architecture and Planning MANIT, Bhopal, on **Safe Mobility Planning to Reduce Road Fatalities- II**
- **Coordinator**, 5 Days Short term training program was organized by the Department of Architecture and Planning MANIT, Bhopal, on **Data Analytics using SPSS and Rcmdr**
- **Coordinator**, 5 Days workshop was organized by the Department of Architecture and Planning MANIT, Bhopal, on **Workshop cum Competition to Design “Sustainable Toilet” and “Sanitary Disposal Bin”**
- **Coordinator**, 5 Days workshop was organized by the Department of Architecture and Planning MANIT, Bhopal, on **Designing of Night Canteen at MANIT using Eco-Friendly Materials**
- **Coordinator**, 5 Days workshop was organized by the Department of Architecture and Planning MANIT, Bhopal, on **“Architecture and Urbanism Prospects”**

REFERRED JOURNAL PUBLICATIONS

- Rahul Tiwari, Yashswani Sharma Public policies to promote renewable energy technologies: Learning from Indian experiences, **Materials Today: Proceedings**, [Volume 49, Part 2](https://doi.org/10.1016/j.matpr.2021.02.251), 2022, Pages 366-37, <https://doi.org/10.1016/j.matpr.2021.02.251>
- Tiwari R., Nigro A., & Bondada, M. V. A. (2023). Analysing Urban Form on Transit Oriented Development (TOD) **Principles: Comparison of Two Areas in Naples, Italy**. *International Review for Spatial Planning and Sustainable Development A: Planning Strategies and Design Concepts*, 11(1), 141-157. http://dx.doi.org/10.14246/irspsd.11.1_141
- Manmeet C. Verma, Rahul Tiwari, Analysing expectation of landowners from Brownfield TOD project: A case study from MP Nagar, Bhopal, **Materials Today: Proceedings**, [Volume 46, Part 11](https://doi.org/10.1016/j.matpr.2020.08.482), 2021, Pages 5187-5193, <https://doi.org/10.1016/j.matpr.2020.08.482>

- Rahul Tiwari, Yogesh K. Garg, and Utkarsha Negi , Gender Issues in the Public Transport System of India: Critical Review, 2022, Implementing the UN Sustainable Development Goals – Regional Perspectives SDGs in the Asia and Pacific Region, p. 1-18, https://doi.org/10.1007/978-3-030-91262-8_24-1#DOI
- Dr. Yashi Tiwari, Dr. Rahul Tiwari, Exploring Impact of Managerial Practices and Coordination amongst Stakeholder Agencies on Road Safety Management
- Tiwari, R., Garg, Y. K., Gupta, A., Kedar, V. S., & Paul, N. (2023). Highlighting Pedestrian Equity Considerations Using Walkability Space Syntax: A Case from Suburb in India. Green and Low-Carbon Economy, 1(2), 85-93. <https://doi.org/10.47852/bonviewglce3202561>
- Rahul Tiwari, Study to Establish the Impact of Holding Driving License on Women's Financial Inclusion, **Papers of the 7th International Conference on Gender & Women Studies 2020**, <https://theicrd.org/pdf/GWS2020%20Proceedings.pdf>
- Tiwari, R.; Puntambekar, K.; Parida, P., defining the Service Level Benchmarking for Public Transport System in India, **International Conference on Transportation and Development 2018: Traffic and Freight Operations and Rail and Public Transit - Selected Papers from the International Conference on Transportation and Development 2018**, <https://doi.org/10.1061/9780784481547.022>
- Bondada, M.V.A.; Tiwari, R., Design of access facilities and modal integration for major transit projects in developing countries, **Urban Public Transportation Systems 2013 - Proceedings of the 3rd International Conference on Urban Public Transportation Systems**, <http://www.scopus.com/inward/record.url?eid=2-s2.0-84892757404&partnerID=MN8TOARS>
- Dr. Yashi Tiwari, Dr. Rahul Tiwari, **Study of Urban Management Practices for Planning Disaster Resilient Future Cities in Madhya Pradesh**
- Dr Rahul Tiwari, Jayant Singh, **Predicting Future Urban Growth in Bhopal, India using Artificial Intelligence based Modelling**, <http://dx.doi.org/10.52458/978-81-955020-5-9-65>
- Rahul Tiwari, Yogesh K. Garg, and Utkarsha Negi , **Review of Schemes and Policies for Urban Transport in India with Reference to Socio-Equity Considerations**, <http://dx.doi.org/10.20944/preprints202107.0226.v1>
- Dr Rahul Tiwari, Jayant Singh, and Navneet Kumar, **Impact of Urban Transit System on Housing Rents Evidences from India**, <http://dx.doi.org/10.47472/CtLTHYM8>
- Rahul Tiwari, Manmeet Verma, **Analysing expectation of landowners from Brownfield TOD project: A case study from MP Nagar, Bhopal**, <http://dx.doi.org/10.1016/j.matpr.2020.08.482>
- Rahul Tiwari, **Kshama Puntambekar and Purnima Parida, Redefining the Service Level Benchmarking for Public Transport System in India**, <http://dx.doi.org/10.1061/9780784481547.022>

CONFERENCE PRESENTATIONS

- Evaluation of Urban Access Controlled Road System as a congestion mitigation strategy
- Unconventional Transport Measures for Improving Accessibility and Safety in Disaster Prone Hill Areas – Case study of Gangtok
- Assessment of Parking Problems, Needs and Potential Innovative Solutions for Residential Areas of New Delhi – A Case Study
- Design of Access Facilities and Modal Integration for Major Rapid Transit Projects in Developing Countries
- Study of Benchmarking Parameters for Bus based Public Transport (A Case Study of Bhopal)

- Analysis of Performance Evaluation for Bus based Public Transport with reference to Service Level Benchmarking
- Benchmarking Urban Transport – A Strategy to fulfil Commuter Aspiration
- Study of Gender Preferences to Parameters of Public Transport Evaluation
- Redefining the Service Level Benchmarking for Public Transport System in India
- Impact of COVID-19 on Online Shopping and Travel Behaviour in India
- Redefining Transit Oriented Development (TOD) - Theory to Practice
- Transit Oriented Development: A tool for Sustainable development for Indian Cities
- Study of Urban Management Practices for Planning Disaster Resilient Future Cities in Madhya Pradesh
- Highlighting Pedestrian equity Considerations using Walkability Space Syntax
- Study to establish the impact of holding driving license on Women's Financial Inclusion
- Analysing Expectation of Landowners from Brownfield TOD Projects: A Case Study from MP Nagar, Bhopal
- Impact of Urban Transit System on Housing Rents: Evidences from India
- Effect of Public Transportation on Urban Sprawl in city of Bhopal
- Impact of COVID-19 on travel behaviour: Evidences from India
- Analysing Impact of Concessional Mobility Card for Public Transport on Mode Choice and Travel Cost using Revealed Household and Commuter Study
- Urban Form and Transit Oriented Development (TOD)
- Identifying Parameters for Pedestrian Oriented Development - A case of Siliguri, India
- Predicting Urban Growth in Bhopal, India using Artificial Intelligence based Modelling
- Analysing contribution of first & last mile in overall travel cost
- Analysing the Last Mile Mode Choice of Public Transport users in Jabalpur, India
- Identifying Potential for Non-Motorized Transportation: A case of Siliguri

REPORTS / BOOK CHAPTERS PUBLISHED

- **Author**, “Ease of Moving Index 2018, India Report” covering 20 major cities of India to assess the overall Mobility performance on citizen's perspective.
- **Editor**, Vision Zero: Systems, Approaches and Implementation
- **Editor**, “Our first experience with Transportation Planning” ISBN No: 9798681087700
- Gender Issues in the Public Transport System of India: Critical Review
- Review of Battery Technologies Available for Promoting Electric Mobility in Urban India
- Analysing Impact of Speed Display System and Electronic Remote Enforcement on Driver Behaviour Towards Over speeding
- Study of Gender Preference to Parameters of Public Transport Evaluation – A Case of Bhopal
- Evaluation of Bus based Public Transport System with reference to Service Level Benchmarks – A Case study of Bhopal

GUEST LECTURES

- **Engagement as Knowledge partner for an Assignment** – Preparation of policy document for the development of real estate sector in Madhya Pradesh
- **Moderator**, Providing opinions for preparation of Bhopal Development Plan – 2047
- **Moderator**, in the Technical of the SUMO-2020

- **Judge** for Semi Final Round of Policy Presentation on Municipal Finance
- **Expert Lecture**, on Road Safety issues – reg., by NHAI
- **Invited to deliver a talk at Stakeholders Workshop**, on Implementation of Motor Vehicles Amendment Act 2019 in Madhya Pradesh
- **Invited in Round table Discussion**, on Education on Development of Real Estate in Madhya Pradesh, by AIGGPA Bhopal

PROFESSIONAL ENGAGEMENTS

- **Coordinator**, National Institutional Ranking Framework (NIRF) Committee, MANIT, Bhopal
- **Public Relation Officer (PRO)**, MANIT Bhopal
- **Assistant Proctor**, MANIT Bhopal
- **Prof. In-charge Examinations**, Office of Exam Comptroller, MANIT
- **Member**, Road Safety Committee, Government of India
- **Visiting Faculty**, Police Training Research Institute (PTRI), PHQ, Bhopal
- **Coordinator**, PURGE, Student Social Club, MANIT Bhopal

JOURNAL REVIEWER

- **Reviewer**, PUTR
- **Reviewer**, ITF Research Day
- **Reviewer**, Current Science Bangalore

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