

Name: Dr. Mukti Advani

Date of Birth: 07.08.1978

Address with PIN Code: **Principal Scientist**
Transportation Planning & Environment Division
CSIR - Central Road Research Institute (CRRI),
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Academic Qualifications:

Degree	Subject	University/ Institution	Division	Year of Passing
PhD (Doctor of Philosophy)	Transportation Engineering	Indian Institute of Technology	Civil Engg.	2010
<i>Title: Demand Estimation for Public Transport Systems, Case study of Delhi Metro</i>				
M.Tech. (Master of Technology)	Transportation Engineering	Gujarat University	First Class with Distinction	2003
B.Tech (Bachelor of Technology)	Civil Engineering	Bhavnagar University	First Class with Distinction	2001

** No Rank/ Class is awarded at this institute*

Present Employment and Posts Held

From	To	Name of the Employer	Position Held
2018	till date	C.R.R.I., New Delhi	Principal Scientist/ Scientist E-II
2014	2018	C.R.R.I., New Delhi	Senior Scientist/ Scientist E-I
2010	2014	C.R.R.I., New Delhi	Scientist/ Scientist C
2007	2010	C.R.R.I., New Delhi	Junior Scientist/ Scientist B

Key Research Area:

- Transportation Planning
- Non motorized transport
- Road Safety
- Vehicular Pollution

Key Projects

- Contribution in three of the 12th Five Year Plan projects funded by the erstwhile [Planning Commission of India](#) executed by CSIR – CRRRI between 2012 - 17. (1) Development and Application of Technologies for Sustainable Transportation (SUSTRANS). Her work focused on the various facilities provided for walking and cycling, (2) Indian Highway Capacity Manual (Indo-HCM). Her work in the capacity of Work Package Leader was focused on unsignalised intersections and its capacity estimation as well as capacity estimation covering various facilities like sidewalks and crosswalks and (3) Evaluation of Economic Loss Due to Idling of Vehicles at Signalized Intersection and Mitigation Measures (ELSIM). This study estimated the fuel loss during the idling of vehicles typically observed at major traffic intersections of urban area.
- Development of Safe Road Connectivity Index model for Tripura state of the North East region of India. This was developed considering the level of connectivity couple with level of safety for all the roads connecting 864 villages of India. For this huge GIS based database was prepared and analyzed for informed decision-making process. A project awarded by [Ministry of Environment, Forest and Climate Change \(MoEFCC\)](#).
- Projects focusing on the estimation of Vehicular Pollution sponsored Petroleum Conservation Research Association (PCRA), [Ministry of Petroleum and Natural Gas](#).
 - Creating Awareness Campaign at 100 Signalized Intersections in Delhi and related Traffic Studies.
 - Development of alternate circulation plans around metro stations and its quantification.
 - Identification of the most critical locations having the highest impact on traffic in case of vehicular breakdown.
- Project iRASTE - Intelligent Solutions for Road Safety through Technology & Engineering. This project work is a contribution toward crash reduction in Nagpur city using Artificial Intelligence. It's an ongoing project involving other consortium partners namely, [IIIT Hyderabad](#), [Intel](#), [Mahindra & Mahindra](#) and [Nagpur Municipal Corporation](#).
- Microscopic Traffic Network Simulation Model for Mixed Traffic Conditions (MiTraNS) project to develop traffic simulation package for Indian conditions which is a contribution toward the [Make-in-India initiative](#) of the Government.
- Collaborative project on developing digital games to convey the safety and sustainability aspects to children of younger age. Where instead of RACING games, more responsible behavior conveying games have been created for children to play.
- Development of Trip Generation Manual for Indian Cities (TripGen). Work package dealt by her focuses on Non-motorized Transport movement in mixed traffic conditions.
- Estimation of Fuel Losses and Assessment of Air Quality at Selected Traffic Intersections” sponsored by Central Pollution Control Board ([CPCB](#)).
- Contribution in more than dozen training programs on Certification Course for Road Safety Auditors.
- Sub-Group Convener in the revision of Indian Road Congress document titled, “**Manual for Safer Commute to Schools**” [IRC: SP:32](#) focusing on Safer Commute to School.

Awards and Recognition

- Received **Best Paper Award for the year 2022** by Smart & Sustainable Development of Urban Green Infrastructure in India and Canada (SSDUGI-22) for the paper titled, “Identifying pedestrian risk zones from the bus fleet equipped with CAS devices.
- Travel Grant received from Science & Engineering Research Board (SERB), DST for presenting research work at **TRB’s 99th Annual Meeting** held in Washington, USA in Jan-2020.
- Received **Best Paper Award** at the International Conference on Transportation Infrastructure Projects: Conception to Execution, January 7–10, 2019 at Indian Institute of Technology Roorkee, India for the paper titled 'Estimation of Fuel Consumption during Idling of Vehicles at Bhikaji Cama Intersection and Savings after Employing Suitable Mitigation Measures.
- Contributed in a project named SUSTRANS as Work Package Leader. This project **has been awarded for top 200 projects under Smart Technology category and received an award titled SKOCH Order-of-Merit Award 2015.**
- Nominee has received **SERC-DST Fellowship** to attend 99th Annual Meeting of Transportation Research Board held in January 2019 at Washington, DC. To present research finding on forceful entry behavior at unsignalised intersections.
- **Best Paper of the Year 2006 Award for the paper titled “Review of Capacity Improvement Strategies for Bus transit service”** Journal of Transport Management, issue of December-2006. *Awarded as the best article of the year – 2006.

Academic Pursuits

- ✓ Faculty for the courses i.e. **Public Transport System and Research Methodology at AcSIR since 2010.**
 - **Teaching Faculty** for Subject titled, “” for PhD/Master and Research Methodology at AcSIR.
 - Acted as **External Guide** for Dissertation Work of 6 Planning students during the last 3 years
- ✓ Overall, Nominee has **guided more than 30 Dissertations leading to the award of their Master’s Degree** in the capacity of **External Guide** for various students representing **NITs, M.S. University, SPA and IITs.**
- ✓ Guidance to **Ph.D.** students at AcSIR is under progress.
- ✓ Acted as **Reviewer cum Examiner for three Ph.D. Thesis** submitted to IITs and AcSIR.
- ✓ Acting as a **mentor cum faculty** in the various training courses conducted by CSIR-CRRI on Road Safety Audit Certification Programme, Sustainable Transport, etc.

Membership in National Level Technical Committees

She holds a good position at various National level forums:

- **Executive Board Member**, Transpiration Research Group of India (TRG)
- **Council Member**, Indian Road Congress <http://www.irc.nic.in/>
- **Governing Council Member**, International Road Federation (India Chapter) <https://indiairf.com/irf-india-chapter-governing-council-members/>
- **Associate Member**, Institute of Engineers (India)
- **Member**, National Clean Air Mission (CRRI is Institute of Repute)
- **07 Invited keynote talks/ lectures** at various events (by IIT Roorkee, IIT Delhi, Colleges of Gujarat Technology University, Jamia Milia Islamia College, etc.)
- Organizing Committee Member & Member of Scientific Committee for Conference of Transportation Research Group of India to be held on December 2023
- Program Committee (PC) Member, for various Conferences including (TIPCE by IITR, TPMDC by IIT Mumbai,

Reviewer of International / National Journals and Conferences

- Reviewer for the Journal of International journal of injury control and safety promotion (SCI Journal)
- Reviewer for the Journal of Transportation Letters (SCI Journal)
- Reviewer for Journal of Transport Geography (SCI Journal)
- Reviewer for the Journal of Transport Policy (SCI)
- Reviewer for the Journal of Case Studies on Transport Policy (SCI Journal)
- Reviewer for International Journal of Ad Hoc and Ubiquitous Computing (IAHUC)
- Reviewer for the Journal of Scientific Research and Essays, Academic Journals
- Reviewer for the Journal of Case Studies of Transport Policy (CSTP), Elsevier Publishers
- Served as Reviewer for International Conference of Transportation Research Group of India (CTRG 2013, CTRG 2015, CTRG 2017, CTRG 2019, CTRG-2021).
- Served as Reviewer for Recent Advances in Transportation Engineering (RATE-2012, RATE 2015, RATE 2017, RATE 2019)
- Reviewer for international conference of "Transportation Planning Methodologies for Developing Countries. (TPMDC-2012 and TPMDC-2014).
- Few Other national/international level conferences including TRB, WCTR, etc.

Contribution to Indian Road Congress

- Sub-Group Convener for IRC: SP:32 (in print) Guidelines for Safer Commute to Schools (H-8 Committee: Urban Roads, Streets and Transport Committee)
- Contributing to IRC G-6 committee i.e. Multi Modal Transport System Committee in the capacity of subgroup member for the formulation of the new document titled, 'Multimodal Integration at Terminals'
- Contributing to IRC H-1 committee in the capacity of Subgroup Member for the revision of IRC document titled, 'Cycle Track Designs IRC-12'

List of Research Publications

Google Scholar Indices (Total Citations=248; h-index=8; i10-index=6) as on 09.10.2022

Key Book Chapter Publications:

1. Contributed to a book titled "Transportation Amid Pandemics: Lessons learned from COVID 19". Editors: Yoshitsugu Hayashi & Junyi Zhang. World Conference on Transport Research Society. (<https://www.elsevier.com/books/transportation-amid-pandemics/zhang/978-0-323-99770-6>).
2. Contributed a chapter in a book titled Transportation Planning and Policy. Book for IGNOU MBA course in Transport Management.
3. Contributed to a book titled 'Lecture Notes in Civil Engineering published by Springer. <https://link.springer.com/content/pdf/bfm:978-981-16-8259-9/1>

Key Journal Publications:

4. Mukti Advani, Niraj Sharma, E.Madhu, Yash Rane, Rajni Dhyani, PV Kumar (2022). Gradual sustainability approach for urban transport through subtle measures. Current Science (00113891) 122 (9).
5. Mukti Advani, Niraj Sharma and Rajni Dhyani (2021). Mobility change in Delhi due to COVID and its' immediate and long term impact on demand with intervened non-motorized transport friendly infrastructural policies. Transport Policy 111, 28-37.
6. Niraj Sharma, Mukti Advani, Rajni Dhyani, S.Nagar, H.Choudhary (2022). Reduction in Idling Fuel Losses and Corresponding Emissions Due to Awareness Campaign at the Signalized Intersections in Delhi. Transportation in Developing Economies 8 (1), 1-11.
7. Ravi Sekhar, Niraj Sharma, Mukti Advani and Ravindra Kumar (2021). Quantification of reduction in air pollution due to bypassing traffic in Delhi, India. CURRENT SCIENCE 120 (10), 1600
8. Kirti Bhandari, Mukti Advani, Purnima Parida, S.Gangopadhyay (2014). Consideration of access and egress trips in carbon footprint estimation of public transport trips: case study of Delhi. Journal of Cleaner Production. Vol- 85, page: 234-240 (ELSEVIER Journal) (SCI-5.715).
9. Mihir Prajapati, Mukti Advani, Purnima Parida (2016). Identifying Suitable Methodology for Crossing Infrastructure for Pedestrians. Transportation Letters – The International Journal of Transportation Research (SCI – 0.886. doi.10.1080/19427867.2016.1237821

10. Mukti Advani, Neelam J. Gupta, S.Velmurugan, E.Madhu and Satish Chandra (2020) 'Defining and Analyzing Forceful Gap Behavior at Unsignalized Intersection:A Case Study". Transportation Research Board: Journal of Transportation Research Board, vol:2674, issue 8, <https://doi.org/10.1177/0361198120925258> (IF:1.029).
11. Bivina G.R., Purnima Parida, Mukti Advani, M.Parida (2018), " Pedestrian Level of Service Model for Evaluating and Improving Sidewalks From Various Land uses", European Transport, issue 67, paper no. 2, ISSN 1825-3997 (PEER REVIEWED)
12. Mukti Advani, Purnima Parida and Sobhana Patnaik (2017), Pedestrian Serviceability Index Including Pedestrians on Vehicle-Path", Journal of Traffic and Transportation Engineering 6 (2017) 328-341, DOI: 10.17265/2328-2142/2017.06.006. (PEER REVIEWED)
13. Mukti Advani and Purnima Parida (2016), "No carbon footprints, only human footprints", Indian Highways, Volume 44, Number 10, pp.35-40, ISSN 0376-2756.
14. Mukti Advani and Geetam Tiwari (2013), A Methodology to Develop Traffic Analysis Zones (TAZ) based on Transit stop/station Locations'. Indian Journal of Transport Management. April – June 2013 issue, pp. 1-9.
15. Mukti Advani and Nisha G. (2012), 'Behavioural analysis of Pedestrians for walking on footpath and on carriageway in 'space-sharing' traffic scenario', Indian Highways, July issue, pp. 41-47. Indian Road Congress, New Delhi.
16. Mukti Advani (2012), 'Factors affecting the pedestrians' level of service (LOS) and model development for mixed traffic scenario', Indian Journal of Transport Management, July-September, pp. 174-185.
17. Mukti Advani, B.Kanagadurai and Kamini Gupta (2010), 'Evaluation of pedestrian crossing facilities: a case study of Delhi' Urban Transport Journal, Institute of Urban Transport (India), Volume 9, issue 2, pp. 79-90.
18. Mukti Advani and Purnima Parida (2014), 'Non-motorised transport trips in India: past, present and future', Indian Journal of Transport Management, ISSN 0972-5695, October – December 2013 issue, pp. 281-291
19. Mihir Prajapati, Mukti Advani & Purnima Parida (2016): Identifying the most suitable road crossing infrastructure based on estimated delay to pedestrians and vehicle users, Transportation Letters, DOI: 10.1080/19427867.2016.1237821. To link to this article: <http://dx.doi.org/10.1080/19427867.2016.1237821>
20. Natasha Singh, Purnima Parida, Mukti Advani, Rajesh Gujar, (2016), "Human Ellipse of Indian pedestrians", Transportation Research Procedia, volume 15, page: 150-160. doi: 10.1016/j.trpro.2016.06.013
21. Mukti Advani, Purnima Parida and Sobhana Patnaik (2015), "Developing Methodology to assess walking facilities on Indian roads", Indian Journal of Transport Management, July Sept issue 2015, pp. 60-69.
22. Purnima Parida, Mukti Advani, M.Parida (2015), "Safety and Security Based Evaluation of Pedestrian Facilities around Public Spaces", Shelter, HUDCO publication, October 2015, volume 16, issue 2, ISSN: 2347-4912.
23. Rahul Bhasin, Mukti Advani and S.Velmurugan (2014), Review of the Gap Phenomena at Unsignalized Intersections under Homogeneous and Heterogeneous Traffic Flow Conditions, Indian Journal of Transport Management, Pune, India. July – September 2014 issue, pp.144-155.
24. Mukti Advani and Kirti Bhandari (2012), 'Trip characteristics and users' perception towards available public transport modes in Delhi', Indian Journal of Transport Management, October – December, pp. 1-11.
25. Mukti Advani (2013), Behavioural analysis of Pedestrians for walking on footpath and on carriageway in 'space-sharing' traffic scenario. Indian Road Congress, July Issue, pp. 41-47.

International / National Conferences:

26. Siddharth Jain, Mukti Advani, Lalit Kumar Yadav (2021). Pedestrians Safety Analysis at Uncontrolled Midblock Crosswalks. 8th International Conference on Transportation Systems Engineering and Management (CTSEM2021), NIT Calicut, 26-27 August 2021.
27. Piyush Lalwani, Mukti Advani and Sanjay Dave (2021). Effect of free left turning vehicles on pedestrian safety at signalised intersections. Conference of Transportation Research Group of India held at Trichy during 14-17 December 2021.
28. Salomi S Thomas, Khushboo Rani and Madhu Errampalli, Mukti Advani (2021). Development of Display System for vehicle animation for microscopic traffic simulation. Conference of Transportation Research Group of India held at Trichy during 14-17 December 2021.
29. Saurabh Kaushik, Mukti Advani and Madhu Errampalli (2021). Vehicular movement model at signalized intersection considering heterogeneous traffic conditions. Conference of Transportation Research Group of India held at Trichy during 14-17 December 2021.
30. Mukti Advani, Neelam J. Gupta, S.Velmurugan, E.Madhu and Satish Chandra (2020) 'Defining and Analyzing Forceful Gap Behavior at Unsignalized Intersection:A Case Study". Transportation Research Board's 99th Annual Meeting held during January 12-16, 2020 at Washington, USA.
31. Mukti Advani, Purnima Parida and Niraj Sharma (2018), 'Estimation of Fuel Consumption during Idling of Vehicles at Bhikaji Cama Intersection and Savings after Employing Suitable Mitigation Measures'. International Conference of Transportation Infrastructure Projects: Conception To Execution. (Received BEST PAPER AWARD)
32. Prema, Mukti Advani and N.P. Melkania (2018), Air pollutants reduction using non-motorized transport –friendly infrastructure in megacity Delhi'. POSTER presentation at International conference on Global Environmental Challenges Human Health and Sustainable Development (ESDACon-2019). 11-13th January 2019 at Jawaharlal Nehru University, New Delhi, India.

33. Mukti Advani and Partha Pratim Sarkar (2019), 'Safe Road Connectivity for Tripura State of India'. 2nd National Seminar-cum-Monitoring & Evaluation (M&E) Workshop of NMHS held during 4–7 February 2019 at GBPNIHESD HQs, Kosi-Katarmal, Almora, Uttarakhand.
34. Samarth Ghosly, Mukti Advani and Ravindra Kumar (2019), "Integrated Transportation and Land Use Activities for Mass Housing to Increase Non-Motorized Trips – A Review Paper", World Conference on Transport Research (WCTR'19).
35. Niraj sharma, mukti advani, suprabhat nagar, himani chaudhary. Reduction in Idling Fuel Losses and Corresponding Emissions Due to Awareness Campaign at the Signalised Intersections in Delhi. 5th Conference of Transportation Research Group of India held during 18-21 December 2019 at Bhopal, India.
36. Mangal jyoiti, mukti advani, A.U.Ravi Shankar. Determination And Comparison Of Saturation Flow And Delay At Signalised Intersection For Mixed Traffic Condition In India. 5th Conference of Transportation Research Group of India held during 18-21 December 2019 at Bhopal, India.
37. Pritikana Das, Mukti Advani, P. Parida, M. Parida, S.P. Singh (2019), 'Development of Land use based Pedestrian Level of Service in Indian Context' International Journal of Transport Economics, Engineering and Law, ISSN 1825-3997
38. Dhyani, R., Sharma, N. and Advani, M. (2019). Estimation of fuel loss and spatial–temporal dispersion of vehicular pollutants at a signalized intersection in Delhi city, India. WIT Transactions on Ecology and the Environment. Vol.236:233-243.
39. Velmurugan S., Advani M. and Padma S. (2020). Impacts of COVID-19 on the Transport Sector and Measures as Well as Recommendations of Policies and Future Research: Report on India. SSRN link is <https://ssrn.com/abstract=3700377> or <http://dx.doi.org/10.2139/ssrn.3700377>
40. Mukti Advani, Velmurugan S. and Padma S. (2020). Impact of COVID-19 on the demand of road based public transport and the potential improvement through infrastructure and service changes in Delhi. International E-conference on Pandemics and Transport Policy for a harmonized world held during 7-10 December 2020.
41. Padma S., Velmurugan S. and Mukti Advani (2020). Evaluation of air quality in times of COVID-19 and its impacts on road traffic. International E-conference on Pandemics and Transport Policy for a harmonized world held during 7-10 December 2020.
42. Lenjisa Bedada, Mukti Advani, Jayesh Juremalani (2020). Estimating the impact of flyover on vehicle delay, fuel consumption and emissions – A Case Study. Recent Trends in Traffic Engineering. Conference Proceedings. Part of the Lecture Notes in Civil Engineering book series (LNCE, volume 69). DOI <https://doi.org/10.1007/978-981-15-3742-4>
43. Jaya Krishna Vadrevu, Partha Pratim Sarkar, Subhadip Chakraborty, Mukti Advani (2020), 'Evaluation of Accessibility Measures for Rural Regions'. Second ASCE India Conference on Challenges of Resilient and Sustainable Infrastructure Development in Emerging Economies (CRSIDE2020).
44. Natasha Singh, Rajesh Gujar, Purnima Parida, Mukti Advani (2015), "Pedestrians' Characteristics and Flow Analysis - In Indian Context", National Conference on 'Transportation and Water resource Engineering' (NCTWE – 2015) on 25th April 2015, L.D.College of Engineering, Gujarat Technological University
45. Mukti Advani, S.Velmurugan, P.V.Pradeepkumar and E.Madhu, "Defining and analyzing forceful behavior at unsignalised intersections" RECENT ADVANCES IN TRAFFIC ENGINEERING, 3rd and 4th July 2015, SVNIT, Surat.
46. Mihir Prajapati, Mukti Advani, Purnima Parida, Pankaj Prajapati, "Identifying Suitable Methodology for Crossing Infrastructure for Pedestrians", RECENT ADVANCES IN TRAFFIC ENGINEERING, 3rd and 4th July 2015, SVNIT, Surat.
47. Hemavathy M, Kalaanidhi Sivagnanasundaram, Dr. Gunasekaran Karupannan, Dr. Mukti Advani and Dr. Velmurugan Senathipathi, "Performance Evaluation of Uncontrolled Intersection using Microscopic Simulation", 14th International Conference on Computers in Urban Planning and Urban Management – CUPUM-2015, Boston.
48. Sobhana Patnaik Mukti Advani, and Purnima Parida, "Title : Why and when pedestrians walk on carriageway in presence of footpath? – a behavioural analysis in mixed traffic scenario of India" IUT urban mobility, November 2015. (Award: Third Best Research Paper of UMI 2015)
49. Mukti Advani and Purnima Parida (2015), Developing Methodology to Assess Walking and Road Crossing Facilities, International Symposium on Transportation Planning and Safety, 3rd to 5th December 2015 at TRIPP, IIT Delhi, New Delhi.
50. Neelam J Gupta, Mukti Advani, B. K. Durai and S. Velmurugan, Khatauli Bypass Road – Crash Analysis and Prevention", Road Safety and Simulation International Conference, Orlando, Florida, USA, October 6-8, 2015
51. Rahul Bhasin, S.Velmurugan, Mukti Advani, P.V.Pradeep kumar (2016), "A model for Critical gap estimation based on deviation of accepted and rejected gap from critical gap values", 14th World Conference on Transportation Research (WCTR), Shanghai, China.
52. Mukti Advani and Purnima Parida and M.Parida (2016), "Methodology for Evaluating Walking Facilities Based Types of Obstructions Observed on Footpath of Indian Roads", 14th World Conference on Transportation Research (WCTR), Shanghai, China.
53. Mukti Advani and Sewa Ram "Developing Bicycle Serviceability Index (BSI) At Mid-blocks For The Roads Carrying Mixed Traffic - Case Study Of Delhi", 4th Conference of Transportation Research Group of India (CTRG), 17-20 December 2017, IIT-Mumbai, India. (CONFERENCE)

54. Kishan Savaliya and Mukti Advani and Neelam Gupta and Pankaj Prajapati" Pedestrian Accessibility Measurement Around Public Transport Stations - Case Study Of Delhi Metro", 4th Conference of Transportation Research Group of India (CTRG), 17-20 December 2017, IIT-Mumbai, India. (CONFERENCE)
- 55.
56. Lenjisa Bedada, Mukti Advani, Satish Chandra, Jayesh Juremalani (2018), "Estimating the impact of flyover on vehicle delay, fuel consumption and emission". Third National Conference on Recent Advances in Traffic Engineering, at SVNIT Surtat.
57. Prema Bisht, Mukti Advani, N.P.Melkania (2018), "Quantifying potential carbon footprint reduction by provision of non-motorised transport friendly infrastructure - case study of Delhi". Third National Conference on Recent Advances in Traffic Engineering, at SVNIT Surtat.
58. Anjali Sharma, Mukti Advani and N.P.Melkania (2018), " Seasonal Variation Based Emission Estimation Model (SEEM) Considering Vehicular Traffic – Case Study of Delhi". Third National Conference on Recent Advances in Traffic Engineering, at SVNIT Surtat.
59. Mihir Prajapati, Mukti Advani, Purnima Parida and Pankaj Prajapati (2015), "Parameters involved in making decision regarding selection of the most suitable road crossing infrastructure – a review", National Conference on 'Transportation and Water resource Engineering" (NCTWE – 2015) on 25th April 2015. , L.D.College of Engineering, Gujarat Technological University, Ahmedabad, Gujarat.
60. Mukti Advani and Purnima Parida (2013), 'Non-motorised modes as sustainable mobility options', National conference on Sustainable Environment Development, R.H.Patel college, Gandhinagar, Gujarat. (march 2013)
61. Mukti Advani and B.Kanagadurai (2013), "Urban Mobility in Indian Cities' Nirman Saarik, A newsletter of Building Materials & Technology Promotion Council, pp. 11-14.
62. Mukti Advani and Purnima Parida (2013), Behavioural analysis of Pedestrians in 'space-sharing' traffic scenario', Urban Mobility, Institute of Urban Transport, New Delhi, India. 3-5 December 2013.
63. Neelam J Gupta, Mukti Advani, B. Kanagadurai and S Velmurugan (2014), Safety Impacts on Traffic and Habitants – A Case Study of Khatauli Bypass, Indian Journal of Transport Management ISSN 0972-5695, Issue of January – March 2013, pp. 312-324.
64. Abhishek C.S., Mukti Advani, P.V.Pradeepkumar and S.Velmurugan (2014). 'Determination Of Critical Gap On Unsignalised Three Armed Intersections - Case Study', Transportation systems Engineering and Management colloquium. NIT-Calicut. 12th – 13th May 2014.
65. Mukti Advani and Purnima Parida (2012), 'Suitability of Road Infrastructures for Pedestrians' Workshop on Issues & Strategies for Non Motorized Transport Modes 23, January 2012, CRRI, New Delhi.
66. SSLN Sarma and Mukti Advani (2012), 'Methodology for public transport demand estimation', Capacity Building workshop for Low-Carbon Comprehensive Mobility Plans for Indian Cities. United Nations Environment Programme (UNEP), 11th to 13th April 2012. (April, 2012)
67. Mukti Advani and Geetam Tiwari (2012), 'Reviewing the factors considered in Public Transportation Demand modelling for better estimation of commuters' ridership', Third International Conference on Urban Transportation Systems, ASCE. (accepted)
68. Nisha G. and Mukti Advani (2012), 'Behavioural analysis of Pedestrians while crossing the road at intersection', National Conference on 'Urban Mobility - Challenges, Solutions And Prospects', IIT Madras, July 13-14, 2012. (Extended abstract submitted)
69. Nisha G. and Mukti Advani (2012), 'Behavioural analysis of Pedestrians while crossing the road at intersection', National Conference on 'Urban Mobility - Challenges, Solutions And Prospects', IIT Madras, July 13-14, 2012.
70. डॉ. नीलम जे. गुप्ता, मुक्ति आडवाणी, डॉ. बी कनक दूरई, डॉ. प्रमोद कुमार कंचन (2010), ग्रामीण सड़क का निर्माण – भू आधारित तकनीक, केन्द्रीय सड़क अनुसंधान संस्थान, नई दिल्ली
71. Mukti Advani, B.Kanagadurai, Kamini Gupta (2010), 'Road infrastructures and their impact on sustainability', CisTUP Conference, IISc Bangalore, India.
72. Mukti Advani, B. Kanagadurai and Neelam J. Gupta (2011), Role of pedestrian crossing facilities on the accessibility of villagers at two junctions of NH-8' International seminar on National Road Development Strategies and Road Safety on Improved Highways, School of Planning and Architecture, New Delhi. (March 2011)
73. Mukti Advani and B.Kanagadurai (2011), 'Developing a methodology to evaluate impact of road infrastructures on different modal trips – a scenario based study', Proceeding of International Transport Research Conference 2011, University Sains Malaysia. (April 2011)
74. Mukti Advani, B. Kanagadurai and S.Gangopadhyay (2011), 'Measuring Safety, Accessibility and Mobility of people living adjacent to a National Highway of India' 3rd International Conference on Road Safety and Simulation, Indianapolis, USA. (September 2011)
75. Mukti Advani (2011), 'Level of service for pedestrians – identification of affecting variables and model development for an intersection', Conference of Transportation Research Group of India at IISc Bangalore. (December, 2011)
76. Kirti Bhandari, Mukti Advani, Ridhi Saluja (2011), 'Methodology to estimate carbon footprint of commuting with focus on the role of non motorised transport', Conference of Transportation Research Group of India at IISc Bangalore. (December, 2011)
77. Mukti Advani and Geetam Tiwari (2006), "Bicycle – As a feeder mode for bus service", VELO Mondial poster Presented at Cape Town, SA.

78. Mukti Advani and Geetam Tiwari (2006), “Does high capacity means high demand?” Future Urban Transport – Volvo Conference, Sweden.
79. Mukti Advani and Geetam Tiwari (2006), “Review of Capacity Improvement Strategies for Bus transit service” Journal of Transport Management, issue of December-2006. *Awarded as the best article of the year – 2006.
80. Mukti Advani and Geetam Tiwari (2005), “Evaluation Of Public Transport Systems: Case Study Of Delhi Metro”, START Conference Proceeding, pp. 575-583, IIT – Kharagpur, India
81. Mukti Advani and S.K.Pathan(2005), “Improvement in Transit Service Using GIS – Case Study of Bhavnagar State Transport Depot” , ESRI conference held in Delhi DEC-2005, Noida, India