

CURRICULUM VITAE (updated on 1.11.2011)

5. PERSONAL

(a) Name	SATISH CHANDRA
(b) Date of Birth	September 5, 1962
I Address	Professor Department of Civil Engineering Indian Institute of Technology Roorkee ROORKEE, 247 667 (INDIA) Tel. 91-01332-285468 (O), 285374 I 09412394357 (mobile) E-mail: satisfce@iitr.ernet.in
(d) Nationality	Indian
(e) Marital Status	Married

2. EDUCATIONAL QUALIFICATIONS

Name of Degree	Year of passing	University	Class	Subject/specialization
B.E.	1983	University of Roorkee	I	Civil Engineering
M.E.	1985	University of Roorkee	I (Hons)	Transportation Engg.
Ph.D.	1994	University of Roorkee (Now IIT Roorkee)	--	Transportation Engg.

3 EMPLOYMENT/RESEARCH EXPERIENCE

Position held	Employer	Period	Nature of duties
Professor	IIT Roorkee	May 11, 2006 till date	Teaching, Research and Consultancy
Associate Professor	IIT Roorkee	February 2001 to May 11, 2006	--do--
Assistant Professor	IIT Roorkee	April 1996 to Feb. 2001	--do--
Lecturer	University of Roorkee (Now IIT Roorkee)	November 1985 to April 1996	--do--
Research Scientist – B	University of Roorkee, (Now IIT, Roorkee)	June 1985 to Nov 1985	Work on sponsored research schemes R-23 & R-24
Research Associate	University of Roorkee, (Now IIT, Roorkee)	February 1985 to June 1985	Work on sponsored research schemes R-23 & R-24

4. SUMMARY OF PERFORMANCE

(a) Teaching Experience	From	to	
(i) Undergraduate	Nov' 85	till date	

(ii)	Post graduate	Jan'86	till date
(iii)	Short term courses conducted	19	(see annexure – II)
(b) Publications			
(i)	Research papers in referred journals	102	(Annexure – III)
(ii)	Papers in conferences/symposia	50	(Annexure – III)
(iii)	Books	03	
(iv)	Review/research/Design Reports	about 60	reports prepared related to sponsored research and consultancy projects
(c) Number of theses supervised		Completed	in progress
(i)	Ph.D.	12	05
(ii)	M. Tech	83	03
(d) Sponsored Research/Consultancy Projects		completed	in progress
(i)	Sponsored Research Projects	08	
		(List is given in Annexure – IV)	
(ii)	Consultancy Projects	completed more than 100 projects	
(e) Prizes/awards		9	(list is given in Annexure – V)

5. PROFESSIONAL MEMBERSHIPS

Life Member, Indian Roads Congress
Life Member, Indian Geotechnical Society
Life Member, Institution of Engineers (India)
Life Member, Indian Society for Construction Materials & Structures

6. HONOURS:

- i) Member, Expert Committee on Development of Road Maintenance Management System for UP Roads (from May 2010)
- ii) Member, Traffic Engineering Committee of Indian Roads Congress, New Delhi since 1997.
- iii) Member, IMRA committee of Indian Roads Congress, New Delhi since 2003.
- iv) Member, Technical Evaluation committee for world bank aided Uttar Pradesh State Road Projects-II
- v) Member, Technical Committee of ICORT-95 held at New Delhi
- vi) Session reporter, ICORT-95 held at New Delhi in 1995.
- vii) Session Co-chairman, South Asian Countries Conference on Challenges to Architects and Civil Engineering during Twenty-First Century, Kathmandu, April 7-9, 1999.
- viii) Chaired a technical session on Recycle in 5th International conference on pavement and airfield pavement technology (ICPT) at Seoul during May 10-12, 2005.
- ix) Chaired a technical session on APTF – The Status, during workshop on “Accelerated Pavement Testing Facilities – Benefits and Opportunities”, organized by CRRI, New Delhi, June 24, 2011.

- x) Chaired a Technical Session on “Sustainable Urban Transportation” during National conference on sustainable urban & Transportation Planning Issues and Management Strategies, at NIT Surat, July 8, 2011.

7. Keynote Lectures Delivered

Title of the Lecture	Event	Date
Capacity of Two-lane Roads and Uncontrolled Intersections	National conference on sustainable urban & Transportation Planning Issues and Management Strategies, NIT Surat	July 8, 2011
APTF Applications in Indian Road Sector	Workshop on “Accelerated Pavement Testing Facilities – Benefits and Opportunities”, organized by CRRI, New Delhi,	June 24, 2011
Capacity Research on Two-lane Roads and Uncontrolled Intersections	National Workshop on characterization of urban road traffic, IIT Madras, India,	March 9-10, 2007
Effect of type and width of shoulders on pavement performance	Invited paper during 67 th Annual session of Indian Roads Congress, Panchkula,	November 17-21, 2006

SIGNIFICANT CONTRIBUTIONS

- i) Completed a UGC sponsored Major Research Scheme entitled “Capacity Analysis of Urban Roads and Formulation of Capacity Guide.” The objective of the scheme was to provide the guidelines for capacity of urban roads for Indian conditions.
- ii) Completed large number of consultancy projects sponsored by various state PWDs related to Pavement Evaluation, Material Testing, Mix Designs and Quality Control.
- iii) Worked on Level of Service concept for Signalized Intersections under mixed traffic conditions at IIT Bombay under INSA visiting fellowship program.
- iv) Developed the concept of dynamic PCU at signalized intersections as a part of Ph.D. research.
- v) Developed a user friendly interactive software for the design of flexible pavement overlays based on the methodology given in IRC 81, 1997.
- vi) Developed a methodology for determination of Capacity of Two Lane Roads under Mixed Traffic Conditions, under an AICTE sponsored Research Project.
- vii) Completed a UGC sponsored major research scheme on “Importance of Shoulders in Respect of Pavement Performance and Traffic Safety”.
- viii) Developed the bituminous mix (Stone Matrix Asphalt) making use of jute fiber in place of conventional synthetic fibers to economize the construction.
- ix) Developed a mechanistic design method for geogrid reinforced flexible pavements.
- x) As member of Traffic Engineering Committee of Indian Roads Congress, contributed in the revision of IRC Codes (IRC:67, 2000 on road signs and IRC:SP:55, 2001 on safety in road construction zones).
- xi) As member of Technical Evaluation Committee of World Bank Aided Projects, contributing immensely in the development of highways in the State of Uttar Pradesh.
- xii) Trained more than 600 field engineers of U. P. and Uttarakhand for construction of rural roads through training courses.

Annexure – II

Short Term/Specialist Course Conducted (20)

Sponsoring Agency	Title of the course	Jointly with	Year
Rural Engineering Services, UP	Construction of roads under Ambedkar Program	Dr. Praveen Kumar	Jan 21 – 23, 2011 March 22-24, 2011
AICTE, New Delhi	Planning, design, construction and maintenance of rural roads	Dr. Praveen Kumar	Feb 10 – 14, 2007
Uttanchal Rural Road Development Authority	Training course on PMGSY for PWD Engineers	Dr. Praveen Kumar	July 21-23, 2006
MHRD, New Delhi & IPR Cell of IIT Roorkee	IPR Teaching	Dr. P. K. Ghosh	March 20-24, 2006
NABARD, Mumbai	Quality Control in Rural Infrastructure Projects	Dr. A. K. Jain Dr. C. S. P. Ojha	October 3-7, 2005
Uttanchal Rural Road Development Authority	Training course on PMGSY for PWD Engineers	Dr. Praveen Kumar	August 4-6 2005
Rural Engineering Services, Uttar Pradesh	Training course on PMGSY for field engineers	Dr. Praveen Kumar	March 21-23, 2005 June 1-3, 2004 July 1-3, 2004 Nov. 15-17, 2004
Rural Engineering Services, Uttar Pradesh	Training course on PMGSY for field engineers	Dr. Praveen Kumar	Jan 27 – Feb 01, May 26 – 30, June 9–13, 2003 Dec 11-13, 2003
Public Works Departments, Uttanchal	World bank aided Rural Road Projects	Dr. Praveen Kumar	Jan 7 – 11, 2003
Rural Engineering Services, Uttar Pradesh	Training course on PMGSY for field engineers	Dr. Praveen Kumar	July 5-11, 2002
Institute of Research Development & Training Center, Kanpur	Highway Lab Practices	Dr. R. M. Vasan	September 1998
Institute of Research Development & Training Center, Kanpur	Graphics in Civil Engineering	Dr. A. M. Chandra	August 1998
Director of Technical Education, Kanpur	Civil Engineering Drawing practices	Dr. A. M. Chandra	November 1996

LIST OF PUBLICATIONS

a. REFERRED JOURNALS (102)

i. INTERNATIONAL JOURNALS (25)

1. Rajat Rastogi, Ilango, T. and Satish Chandra, "Design Implications of Walking Speed for Pedestrian Facilities", **Journal of Transportation Engineering**, **ASCE**, 137(10), 2011, 687-696.
2. Ashalatha, R. and Satish Chandra, "Service delay analysis at TWSC intersections through simulation", **KSCE journal of Civil Engineering**, 15(2), 413-425, 2011.
3. Vishal Sharma, Satish Chandra and Rajan Chodhary, "Characterization of fly ash bituminous concrete mixes", **Journal of Materials in Civil Engineering**, **ASCE**, Vol. 22, No. 12, December 2010
4. Kotkar K. Laxman, Rajat Rastogi and Satish Chandra, "Pedestrian flow characteristics in mixed traffic conditions", **Journal of Urban Planning and Development**, **ASCE**, 136(1), 2010, 23-33.
5. Satish Chandra, Abhishek J. Aggarwal and Ashalatha R., "Microscopic analysis of service delay at uncontrolled intersections in mixed traffic conditions", **Journal of Transportation Engineering**, **ASCE**, 135(6), 2009, 323-329.
6. Partha, P. P., Satish Chandra and Gangopadhaya, S., "Simulation of Mixed Traffic Flow on Two-Lane Roads", **Journal of Transportation Engineering**, **ASCE**, 134(9), 2008, 361-369.
7. Satish Chandra, Viladkar, M. N. and Nagrale, P. P., "Mechanistic approach for fibre-reinforced flexible pavements", **Journal of Transportation Engineering**, **ASCE**, vol. 134 (1), 2008, 15-23.
8. Prashant P. Nagrale, Satish Chandra and M. N. Viladkar, "Finite element analysis of fiber reinforced flexible pavement", **International Journal of Pavements**, 5(1-2-3), 2006, 50-61.
9. Pawan Kumar, Satish Chandra and Sunil Bose, "Laboratory investigations on SMA mixes with different additives", **International Journal of Pavement Engineering**, Vol. 8(1), 2007, 11 – 18.
10. Kumar, P., Satish Chandra and R. Vishal, "Comparative study on different subbase materials", **Journal of Materials in Civil Engineering**, **ASCE**, vol. 18(4), July/August, 2006, 576 - 580.
11. Partha, P. P., Satish Chandra and Gangopadhaya, S., "Lateral distribution of mixed traffic on two lane roads", **Journal of Transportation Engineering**, **ASCE**, vol. 132 (7), 2006, 597.
12. Dey, P. P., Satish Chandra and Gangopadhaya, S. "Speed distribution curves under mixed traffic conditions", **Journal of Transportation Engineering**, **ASCE**, vol. 132 (6), 2006, 475-481.
13. Pawan Kumar, Satish Chandra and Sunil Bose, "Strength Characteristics of polymer modified mixes", **International Journal of Pavement Engineering**, Vol. 7(1), 2006, 63 – 71.
14. Satish Chandra, Mehndiratta, H. C. and Uday Kiran Ch., "Structural adequacy of flexible pavements with type and width of shoulders", **Journal of Transportation Engineering**, **ASCE**, vol. 132(1), 2006, pp. 69-75.
15. Kamel, M. A., Satish Chandra and Praveen Kumar, "Behaviour of subgrade soil reinforced with geogrid", **International Journal of Pavement Engineering**, Vol. 5(4), 2004, pp. 201.
16. P. Kumar, P. K. Sikdar, S. Bose and Satish Chandra, *Use of jute fibre in stone matrix asphalt*, **International Journal of Road Materials and Pavement Design**, Vol. 5(2), 2004, pp. 239-249.
17. Satish Chandra, *Effect of road roughness on capacity of two lane roads*, **Journal of Transportation Engineering**, **ASCE**, vol. 130(3), 2004, pp. 360-64.
18. Satish Chandra and Upendra Kumar, *Effect of lane width on capacity under mixed traffic conditions in India*, **Journal of Transportation Engineering**, **ASCE**, Vol. 129(2), 2003, pp. 155-160.
19. Satish Chandra, Kumar, P. and Feyissa, B.A., *Use of Marble dust in road construction*, **International journal of road materials & pavement design**, Vol. 3(3), 2002, pp. 317-330.

20. Satish Chandra and Sinha, S. *Effect of directional split and slow moving vehicles on two lane capacity*, **Road & Transport Research**, 10(4), 2001, **ARRB, Australia**, pp. 33 – 41.
21. Satish Chandra and Kumar, R., *Headway modelling under mixed traffic on urban roads*, **Road & Transport Research**, 10(1), 2001, **ARRB, Australia**, pp. 61-71.
22. Satish Chandra and Sikdar, P. K., *Factors Affecting PCU in Mixed Traffic on Urban Roads*, **Road & Transport Research**, 9(3), 2000, **ARRB, Australia**, pp. 40-50.
23. Satish Chandra, Sikdar, P. K. and Virendra Kumar, *Analysis of Mixed Traffic at Signalized Intersections*, **Jl. of REAAA**, vol. 7, 1996, pp. 16 – 23.
24. Satish Chandra, Sikdar, P. K. and Kumar, V., *Right Turn Saturation Flow at Signalised Intersections*, **Road & Transport Research**, 3(1), 1994, **ARRB, Australia**, pp. 60-73.
25. Satish Chandra, Verma, V. S., *Capacity of Urban Roads Using Areal Density Concept*, **Jl. of REAAA**, vol. 5, 1995, pp. 14-20.

ii. NATIONAL JOURNALS (78)

1. Vishal Sharma and Satish Chandra, “Characterization of Indian Fly ashes for Use in Bituminous Construction, Highway Research Journal, Vol. 4(1), 2011, HRB, Indian Roads Congress, New Delhi, 1-12.
2. Satish Chandra, Santosh Khusnure and Vivek R Das, “Modeling Untidiness of Mixed Traffic Using Fuzzy Logic”, Highway Research Journal, Vol. 4(1), 2011, HRB, Indian Roads Congress, New Delhi, 43-50.
3. Shalineer Shukla and Satish Chandra, “Simulation of Mixed Traffic Flow on Four-lane Divided Highways”, Journal of Indian Roads Congress, 72(1), 2011, New Delhi, 55-71.
4. Shalineer Shukla and Satish Chandra, “Placement Characteristics of Mixed Traffic on Four-lane Divided Highways”, Indian Highways, 38(8), Indian Roads Congress, New Delhi, 43-52.
5. Satish Chandra and Daniel Molla, “Change in vehicular Interaction and Saturation Flow at Signalized Intersections Over Time”, Highway Research Journal, Vol. 3(1), 2010, HRB, Indian Roads Congress, New Delhi, 69-76.
6. Satish Chandra and Bezabih, A. G., “Estimation of Axle Load Distribution from Individual Vehicle Counts”, Highway Research Journal, Vol. 3(1), 2010, HRB, Indian Roads Congress, New Delhi, 83-92.
7. Kumar, P., Satish Chandra and MDA, Sajid, “Performance Study of PMGSY Roads”, Indian Highways 38(6), Indian Roads Congress, New Delhi, June 2010, pp. 47-58.
8. Bezabih, A. G. and Satish Chandra, “Comparative study of flexible and rigid pavements for different soil and traffic conditions”, Journal of Indian Roads Congress, 70(2), 153-164, 2009.
9. Sinha, A. K., Praveen Kumar and Satish Chandra, “Behaviour of industrial waste materials under cyclic loading”, Highway Research Journal, Vol. 1(2), 2008, HRB, Indian Roads Congress, New Delhi, 21-28.
10. Choudhary R. and Satish Chandra, “Mechanistic evaluation of bituminous concrete with different fillers”, Highway Research Journal, Vol. 1(1), 2008, HRB, Indian Roads Congress, New Delhi, 21-30.
11. Dey, P. P., Satish Chandra and Gangopadhaya, S., “Acceleration characteristics of vehicles on Indian roads”, Highway Research Journal, Vol. 1(1), 2008, HRB, Indian Roads Congress, New Delhi, 43-48.

12. Dey, P. P., Satish Chandra and Gangopadhaya, S., "Modeling of vehicle arrival on two-lane roads", Highway Research Journal, Vol. 1(1), 2008, HRB, Indian Roads Congress, New Delhi, 71-80.
13. Satish Chandra, "Passenger car units for Indian roads", Journal of Indian Roads Congress, 69(2), 2008, New Delhi, 177-185
14. Dey, P. P., Satish Chandra and Gangopadhaya, S., "Speed studies on two-lane roads", Indian Highways 36(6), Indian Roads Congress, New Delhi, June 2008, pp. 9-20.
15. Nagrale, P. P., Satish Chandra and Viladkar, M. N., "Elasto-plastic analysis of fiber reinforced flexible pavements", Journal of The Institution of Engineers (India), 89, November 2008, pp. 49-54.
16. Ashalatha R. and Satish Chandra, "Capacity of uncontrolled intersections under mixed traffic conditions", HRB – 77, Indian Roads Congress, New Delhi, October 2007, pp. 73 – 80.
17. Dey, P. P., Satish Chandra and Gangopadhaya, S., "PCU factors for two-lane roads", HRB – 77, Indian Roads Congress, New Delhi, October 2007, pp. 111– 119.
18. Nagrale, P. P., Satish Chandra and Viladkar, M. N., "Modeling of flexible pavement resting on fiber reinforced subgrade soils", HRB – 77, Indian Roads Congress, New Delhi, October 2007, pp. 47 – 53.
19. Satish Chandra and Vishnu Prasad, N. "Capacity of multilane divided urban roads under mixed traffic conditions", HRB – 75, Indian Roads Congress, New Delhi, 2006, pp. 97 – 103.
20. Partha, P. P., Satish Chandra and Gangopadhaya, S., "Lateral placement of vehicles under mixed traffic conditions", Indian Highways, vol. 34(9), Indian Roads Congress, New Delhi, September 2006, pp. 9 – 17.
21. Nagrale, P. P., Satish Chandra and Viladkar, M. N., "Strength characteristics of fiber reinforced subgrade soil", HRB – 74, Indian Roads Congress, New Delhi, September 2006, pp. 49 – 57.
22. Satish Chandra, Tanuja Srivastava, Shaline Shukla and Satya Marayan, "Modeling of vehicle arrivals at uncontrolled intersections", HRB – 74, Indian Roads Congress, New Delhi, September 2006, pp. 97 – 103.
23. Satish Chandra and Deepak Kumar, "Capacity model for uncontrolled intersections", HRB – 74, Indian Roads Congress, New Delhi, September 2006, pp. 73 – 79.
24. Nagrale, P. P., Satish Chandra and Viladkar, M. N. "Benefits of fiber reinforced subgrade soils in flexible pavements", Journal of The Institution of Engineers (India), 87, May 2006, pp. 53-57.
25. Kamel M. A., Chandra S. and Kumar, P. "Modified AASHTO method for design of geogrid reinforced flexible pavements", Indian Highways, 34 (1), Indian Roads Congress, 2006, New Delhi, 49 – 55.
26. Ashalatha, R., Satish Chandra and Prasanth, K. "Critical gap at uncontrolled intersections using maximum likelihood technique", Indian Highways, 33 (10), Indian Roads Congress, 2005, New Delhi, 67-74.
27. Kamel M. A., Chandra S. and Kumar, P. "Resilient behavior of reinforced subbase materials", HRB – 72, 2005, Indian Roads Congress, New Delhi, 13–26
28. Ashalatha, R., Kala, P. and Satish Chandra, "Comparative study on gap acceptance at T-intersection.", Indian Highways, 33(7), 2005, Indian Roads Congress, New Delhi, 29-40.
29. Satish Chandra, Mehndiratta, H. C. and Manoj Kumar, "Effect of shoulder condition on speed, placement and capacity of a road." Indian Highways, 33(8), 2005, Indian Roads Congress, New Delhi, 21-35.
30. Satish Chandra, Shiv Kumar and Anand, R. K., "Soil stabilization with rice husk ash and lime sludge", Indian Highways, vol. 33(5), 2005, Indian Roads Congress, New Delhi, 87-98.
31. Satish Chandra, "Capacity Estimation Procedure for two-lane roads under mixed traffic conditions", Journal of Indian Roads Congress, 65(1), September 2004, pp. 139 – 171.
32. Satish Chandra and Bhuyan, P. K., "Accident analysis on two lane roads", HRB – 70, 2004, Indian Roads Congress, New Delhi, 77 – 92.

33. Pawan Kumar, Satish Chandra and Sunil Bose, "Permanent deformation characteristics of asphaltic concrete versus stone matrix asphalt", HRB – 71, 2004, Indian Roads Congress, New Delhi, 77–86.
34. Pawan Kumar, Satish Chandra and Sunil Bose, "Rheology of the polymer modified bitumen", HRB – 71, 2004, Indian Roads Congress, New Delhi, 119–135.
35. Satish Chandra and P. Kumar and S. Narayain, *Computer aided design of flexible pavements*, Indian Highways, Vol. 32(12), 2004, Indian Roads Congress, New Delhi, pp. 5-18.
36. Satish Chandra and M. Parida, *Analysis of urban road traffic through simulation*, Indian Highways, Vol. 32(8), 2004, Indian Roads Congress, New Delhi, pp. 87-102.
37. Satish Chandra and Sanjeev Sinha, *Traffic management plan for an identified intersection in Patna city*, Indian Highways, Vol. 31(3), 2003, pp. 27-35.
38. Kumar, P., Chandra, S. and Singh, Varun, *Graphical interface for rural road accessibility planning*, Journal of Indian Roads Congress, vol. 64(1), 2003, pp. 133-159.
39. Kumar, P., Chandra, S. and Maurya, A. K., *Computer application in Marshall method of mix design*, Indian Highways, Vol. 31(10), Indian Roads Congress, 2003, pp 25-44.
40. Parida, M., Satish Chandra and Ravishekhar, Ch., *Artificial neural network based mode choice analysis*, HRB – 67, 2002, Indian Roads Congress, New Delhi, 197 – 216.
41. Satish Chandra and Mehndiratta, H. C., *Effect of shoulder on life of flexible pavement*, HRB – 67, 2002, Indian Roads Congress, New Delhi, 37 – 46.
42. Vasani, R. M., Satish Chandra and Singh, O.P., *Parametric study on dry lean concrete*, HRB – 67, 2002, Indian Roads Congress, New Delhi, 1 – 12.
43. Satish Chandra, Vasani, R. M. and Sagar, S., *Comparative study on WBM and WMM mixes*, HRB – 65, 2001, Indian Roads Congress, New Delhi, 17 – 26.
44. Satish Chandra, Arora, M.K. and Sahu, V. K., *Headway modeling on urban roads using artificial neural network*, HRB –65, 2001, Indian Roads Congress, New Delhi, 127 – 138.
45. Satish Chandra and Goyal, N. K., *Effect of grade on capacity of two lane road*, , HRB –64, 2001, Indian Roads Congress, New Delhi, 77 – 86 .
46. Mehndiratta, H. C. and Satish Chandra, *Investigation on bituminous mixes with blended modifiers*, Institution of Engineers (India), Vol. 81, 2000, pp. 109-114.
47. Satish Chandra, Mehndiratta, H. C. and Krishna Murthy, PVG, *A software for Three Layer Flexible Pavement Analysis*, HRB –63, 2000, Indian Roads Congress, New Delhi, 43 – 57.
48. Satish Chandra, and Praveen Kumar, *Computer Aided Design of Flexible Pavement Overlays*, HRB –62, 2000, Indian Roads Congress, New Delhi, 49 – 64.
49. Virendra Kumar and Satish Chandra, *Market Share Analysis in Domestic Air Carrier Demand*, Institution of Engineers (India), Vol. 81, 2000, pp. 83-90.
50. Satish Chandra and Mehndiratta, H. C., *Methods and Applications of Axle Load Survey*, Indian Highways, 28(8), 2000, Indian Roads Congress, New Delhi, 17 – 22.
51. Satish Chandra, and Parida, M. *Can Intelligent Transport System Come to India in the New Millennium*, Transport Management, 24(2), 2000, pp. 107-110.
52. Satish Chandra, *Driver Behaviour at Signalised Intersection at On-Set of Amber Time*, HRB –61, 1999, Indian Roads Congress, New Delhi, 161 – 77.
53. Vasani, R. M., Satish Chandra, and Chauhan, MPS, *Structural Behaviour of High Strength SFRC Pavements*, Indian Concrete journal, 73(11), 1999, pp. 694-99.
54. Mehndiratta, H. C., Satish Chandra and Rao, MMKV, *Vehicle Damage Factor on Selected National Highways Using Alternate Incremental Analysis*, journal of IRC, Vol. 60(2), 1999, pp. 281-312.
55. Satish Chandra and Dev Raj, *Role of Shoulders in Traffic Operation*, Indian Highways, 27(11), 1999, Indian Roads Congress, New Delhi, 31 – 38.
56. Jain, P. K. and Satish Chandra, *Correlation of CBR and Mini DCPT Values of Soil*, The Institution of Engineers (India), Vol. 80, 1999, pp. 42-44.
57. Vasani, R. M., Satish Chandra and Singh, U.P., *Load Carrying Capacity of Thin SFRC Pavements Over WBM Base*, HRB –59, 1998, Indian Roads Congress, New Delhi, 25 – 40.

58. Mehndiratta, H. C., Satish Chandra, and Chaturvedi, A. K., *A Conceptual Approach for Design of Geotextile Reinforced Flexible Pavements*, Indian Highways, 26(12), 1998, Indian Roads Congress, New Delhi, 5 – 17.
59. Satish Chandra, *Traffic Diversion on Alternate Routes Through Discriminate Analysis*, HRB –58, 1998, Indian Roads Congress, New Delhi, 95 – 108.
60. Satish Chandra and Singh, I., *Design Speed for Highways Under Mixed Traffic Conditions*, HRB – 57, 1997, Indian Roads Congress, New Delhi, 85 – 94.
61. Satish Chandra, *Effect of Vehicle Size on Saturation Flow at Signalised Intersection*, The Institution of Engineers (India), 78, 1997, pp. 80 – 83.
62. Satish Chandra, Zala, L. B. and Virendra Kumar, *Comparing the Methods of Passenger Car Unit Estimation*, The Institution of Engineers (India), 78(CV/1), 1997, pp. 13-16.
63. Satish Chandra, *Capacity Analysis of Urban Roads - Towards Review of IRC-106, 1990*, HRB –56, 1997, Indian Roads Congress, New Delhi, 43 – 70.
64. Satish Chandra and Jain, P. K., *Correlation Between CBR and Mini SPT Values*, Jl. of REAAA, vol. 8, 1996, Malaysia, pp. 15-22.
65. Satish Chandra, Sikdar, P. K. and Virendra Kumar, *LOS for Mixed Traffic at Signalized Intersections*, The Institution of Engineers (India), 77(CV/1), 1996, pp. 12-16.
66. Satish Chandra, Virendra Kumar and, Sikdar, P. K., *Capacity Analysis of Signalized Intersections*, HRB –54, 1996, Indian Roads Congress, New Delhi, 129 – 152.
67. Zala, L. B., Virendra Kumar and Satish Chandra, *Analysis of Traffic Flow on an Identified National Highway*, Jl. of Traffic & Transportation, 1(2), 1995, India, 48-60.
68. Satish Chandra, Kumar, V. and Sikdar, P. K., *Dynamic PCU and Estimation of Capacity of Urban Roads*, Indian Highways, 23(4), 1995, Indian Roads Congress, New Delhi.
69. Satish Chandra, Mehndiratta, H. C. and Sunil Kumar, *Computer Application in Pavement Design Based on IRC:37, 1984*, Indian Highways, 22(5), 1994, Indian Roads Congress, New Delhi.
70. Mehndiratta, H. C., Satish Chandra, and Ariatmadi., *Strength Characteristics of Soil-Lime-Flyash-Cement Mixes Under Different Test Conditions*, HRB –49, 1993, Indian Roads Congress, New Delhi, 33 – 51.
71. Mehndiratta, H. C., Satish Chandra, and Singh, V., *Correlation Amongst Strength Parameters of Soil Reinforced with Geotextiles*, HRB –49, 1993, Indian Roads Congress, New Delhi, 13 – 24.
72. Satish Chandra and Sikdar, P. K. *Dynamic PCU for Intersection Capacity Estimation*, Indian Highways, 21(1), 1993, Indian Roads Congress, New Delhi, 5 – 11.
73. Mehndiratta, H.C., Satish Chandra and Shah, M. I. *Laboratory Studies on Flexible Pavements Reinforced With Geogrid*, HRB –44, 1991, Indian Roads Congress, New Delhi, 49-62.
74. Mehndiratta, H.C., Satish Chandra and Aggarwal, Rajesh, *Parametric Study on Granular Pavement Materials Using Cyclic Tri-axial Test*. HRB –34, 1988, Indian Roads Congress, New Delhi, 19-38.
75. Gupta, A. K., Satish Chandra, and Ashok Kumar, *A Field Study for Evaluation of Flexible Pavements Using Wave Propagation Technique*, HRB –32, 1987, Indian Roads Congress, New Delhi, 18-35.
76. Gupta, A. K., Mahendru, A. K., Satish Chandra, and Chelam, SSV, *A Parametric Study of Lean Concrete as a Highway Pavement Material*, HRB –32, 1987, Indian Roads Congress, New Delhi, 1-18.
77. Gupta, A. K., Satish Chandra, and Ashok Kumar, *A Conceptual Approach to Instrumentation and Testing of Pavements Using Vibration Technique*, Indian Highways 15(4), Indian Roads Congress, New Delhi, 1987, pp. 6-14.
78. Satish Chandra, Mehndiratta, H. C., and Mahendru, A. K., *Comparative Parametric Study on Lime-Flyash-aggregate Pavement Model Slabs Using Calcitic and Dolomitic Limes*, HRB –29, 1986, Indian Roads Congress, New Delhi, 18-36.

b. CONFERENCE/SYMPOSIA (50)

1. Sinha, Sanjeev, Taneerananon Pichai and Satish Chandra, "A comparative study of effect motorcycle volume on capacity of four lane urban roads in India and Thailand", second international conference of Thai Society for Transportation & Traffic Studies, October 14-15, 2011, Pattaya, Thailand.
2. Sinha, Sanjeev, Taneerananon Pichai and Satish Chandra, "Effect of Motorcycle Volume on Capacity of Four Lane Urban Roads in Thailand", Proceedings of EASTS conference, June 20-23, 2011, Jeju, Korea, pp 1-14.
3. Satish Chandra and Vivek R. Das, "Drivers behavior at stop and speed Signs", National conference on sustainable urban & Transportation Planning Issues and Management Strategies, July 8-11, 2011, NIT Surat, pp 1-12.
4. Ilango T, Rajat Rastogi, Satish Chandra, "Behavior and Perception of Pedestrians Walking in Groups" Paper Number 11-3094, TRB Annual Meeting 2011, CD ROM, Washington D. C.
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6. Ashalatha R. and Satish Chandra, "Interpolation of traffic data through Rotation of cumulative density curves", International conference on advances in Materials, Mechanics and Management, College of Engineering, Trivendrum (India), January 14-16, 2010, vol. I, pp 328-338.
7. Rastogi, R., Kotkar, K. L. and Satish Chandra, 'Pedestrian Flow Characteristics on a Walkway near Bus Terminus'. International Conference on Best Practices to Relieve Congestion on Mixed-traffic Urban Streets in developing Countries, IIT Madras, September 12-14, 2008.
8. Dey, P.P., Chandra, S., Gangopadhyay, S., (2008), "Vehicle Arrivals on Two-Lane Roads Under Mixed Traffic Conditions", Proc. of the International Conference on Civil Engineering in the New Millennium: Opportunities and Challenges (CENeM-2007), 150- year anniversary conference at Bengal Engineering and Science University, Shibpur, India, Vol. III, pp. 2043-2049.
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10. Choudhary, Rajan and Satish Chandra, "Evaluating effect of film thickness on ageing of asphalt through thin film oven test" 3rd European Pavement and Asset Management Conference, July 7-9, 2008, Coimbra, Portugal, pp 1-9
11. Dey, P. P., Satish Chandra, and Gangopadhyay, S., "Overtaking Process on Two Lane Rural Highways", 23rd ARRB conference, July 30 – August 1, 2008, Adelaide, South Australia.
12. Shukla, S. and Satish Chandra, "Speed Characteristics on Four-Lane Divided Highways in Mixed Traffic", 23rd ARRB conference, July 30 – August 1, 2008, Adelaide, South Australia.
13. Choudhary, R. and Satish Chandra, "Granite and Marble Dusts as filler in Asphalt Concrete", Proceedings, First international conference on Transport Infrastructure, April 24-26, 2008, Beijing, China.
14. Satish Chandra, Ashalatha R and Dey P. P., *Capacity Research on Two-lane Roads and Uncontrolled Intersections*, **invited paper** for national Workshop on characterization of urban road traffic, March 9-10, 2007, IIT Madras, Chennai, India,
15. Satish Chandra, *Effect of type and width of shoulders on pavement performance*, **invited paper** during 67th Annual session of Indian Roads Congress, November 17-21, 2006, Panchkula, India

16. Satish Chandra, Dey, P. P. and Choudhary, R., *Modification of bitumen by crumb rubber of car and truck tyres*, International seminar on innovations in construction and maintenance of flexible pavements, Agra 2 – 4 September 2006, India, pp1-163 to 1-169.
17. Praveen Kumar, Satish Chandra and Sinha, A. K., *Use of locally available materials in subbases*, International seminar on innovations in construction and maintenance of flexible pavements, Agra 2 – 4 September 2006, India, pp 4-97 to 4-102.
18. Nagrale, P. P., Satish Chandra and Viladkar, M. N., *Behaviour of flexible pavements resting on fiber reinforced subgrade soils*", Proceedings of IGC - 2005, December Ahmedabad,
19. Kamel, M. A., Satish Chandra and Kumar, P., *Deformation characteristics of geogrid reinforced base material under repeated loading*, Proceedings 5th International Conference on road and airfield pavement technology, May 10-12, 2005, Seoul, pp. 8-17.
20. Pawan Kumar, Satish Chandra and Sunil Bose, *Strength characteristics of asphalt concrete using SBS*, Proceedings 5th International Conference on road and airfield pavement technology, May 10-12, 2005, Seoul, pp. 432-442.
21. Satish Chandra and Pawan Kumar, *Engineering Properties of flyash stabilized with sand*, National conference on recent trends in highways and bridges, February 18-19, 2005, Patiala (India), pp. 177 – 183.
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25. Satish Chandra, *Effect of roadside development of speed and placement of vehicles on two-lane roads*, Proceedings 21st ARRB and 11th REAAA conference on Transport – our highway to a sustainable future, May 2003, Cairns, Australia.
26. Satish Chandra, Ashalatha, R. and Kala, P., *Driver behavior at an uncontrolled T-intersection in a mixed traffic situation*, National conference on transportation systems, IIT Delhi, April 24-26, 2002, pp. 535-545.
27. Satish Chandra, Kumar, P. and Kamel, M. A., *Geosynthetics in highway and airport construction*, National conference of advances in construction materials, Hamirpur (India), April 8-9, 2002, pp. 175-180.
28. Satish Chandra and Kumar, P., *Engineering properties of bituminous concrete with marble dust*, 4th international conference on road & airfield pavement technology, Kunming (China) 23-25, April 2002, Vol. II, pp. 1009-1016.
29. Kumar, P. and Satish Chandra, *Accessibility planning for sustainable development of Uttaranchal*, All India Seminar on Infrastructure development in Uttaranchal: Problems & Prospects, Institution of Engineers (India), Roorkee, Oct. 11-13, 2001, pp. III-34-44.
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32. Satish Chandra, Kumar, P. and Feyissa, BA., *Effect of filler on properties of bituminous mixes*, Seminar on Challenges for road transportation in 21st century leading to fuel economy, Patiala (India), 2001, pp. 38-44.
33. Mehndiratta, H. C., Satish Chandra and Kumar, A., *Strength Characteristics of Bituminous Mixes Using Modified Binders*, Seminar on financing, implementation and operation of highways in 21st century, New Delhi, 2000, pp. 43-50.
34. Mehndiratta, H. C. and Satish Chandra, *Innovative Materials for Road Construction*, International seminar on Challenges to Architects and Civil Engineering during 21st Century, Kathmandu, Nepal, 1999, pp. 814-21.
35. Satish Chandra and Parida, M. and Ravisekhar, Ch., *Neuro-computing in Mode Choice Analysis*, International seminar on Challenges to Architects and Civil Engineering during 21st Century, Kathmandu, Nepal, 1999, pp. 240-250.
36. Chandra, A. M. and Satish Chandra, *Application of GIS in Highway Route Alignment*, International Seminar on Challenges to Architects and Civil Engineering during 21st Century, Kathmandu, Nepal, 1999, pp. 1011-17.
37. Vasan, R. M., Satish Chandra and Chauhan, MPS, *Performance Characteristics of Composite Pavements*, Seminar on Concrete for Infrastructural Development, Institution of Engineers (I), Roorkee, 1998, pp. 75-80.
38. Parida, M. and Satish Chandra, *Traffic Management in Urban Areas*, Int. Seminar on Highway Safety Management and Devices, IRC, New Delhi, 1998, pp. 105-113.
39. Vasan, R. M., Satish Chandra and Chauhan, MPS, *Performance Evaluation of Composite Pavements*, Nat. Seminar on Road Transportation Issues and Strategies, Patiala, 1998, pp. 111-120.
40. Satish Chandra, *New Materials for Flexible Pavement Reinforcement*, Nat. Seminar on Road Transportation Issues and Strategies, Patiala, 1998, pp. 39-47.
41. Satish Chandra and Jain, P. K., *Soil Investigation for Subgrade Evaluation*, IGC-97, Vadodara, 1997, India, pp. 25-28.
42. Mehndiratta, H. C. and Satish Chandra, *Fly ash - A Material for Subbase/Base Course in Pavements*, Seminar on Fly ash Utilisation, New Delhi, 1996, Vol. III, pp. 1-8.
43. Satish Chandra and Kumar, P. *Effect of Shoulder Condition on Highway Capacity*, Int Seminar on Civil Engineering Practices in Twenty first Century, Roorkee (India), 1996.
44. Satish Chandra, Sikdar, P. K., Virendra Kumar, *Dynamic PCU for Mixed Traffic at Controlled Intersection*, 7th World Conference on Transport Research, 1995, Sydney, Australia.
45. Satish Chandra, Mehndiratta, H. C. and Jain, A. K., *Some Aspects of Flexible Pavement Reinforced with Geotextile*, II Int. Conf. on Roads and Road Transport Problems, New Delhi, 1995, pp. 33-37.
46. Satish Chandra, Kidwai, F. A. and Sikdar, P. K. *Determination of Intersection Approach Capacity Under Mixed Traffic Condition*, Nat. Sem. on Advances in Transportation Systems: Planning and Management, 1992, Madras, pp. 9.1-6.
47. Satish Chandra and Sikdar, P. K. *Concept of Dynamic PCU for Analysis of Mixed Traffic at Intersection*, Conference on Transportation System Studies: Analysis and Policy, IIT, New Delhi, 1990.
48. Mehndiratta, H. C. and Satish Chandra, *Role of Fly Ash in Road Modernisation*, Seminar on Modernization of Roads & Pavements Through Cement Concrete, Hyderabad, India, 1990.
49. Mehndiratta, H. C., Satish Chandra, and Manohar Prasad, *Comparative Study of Recycling and Overlaying*, II Int. Symposium on pavement evaluation and overlay design, Vol. II 4.10.1 to 4.10.28, Brazil, 1989
50. Mehndiratta, H. C., Satish Chandra, and Shiv kumar, *A Study on the Effect of Anti-Stripping Agents on Road Aggregates*, Int. conf. on Roads and Road Transport Problems, ICORT-88, New Delhi, 1988, pp. 186-198.

Annexure – IV**SPONSORED RESEARCH PROJECTS HANDLED**

Title	Sponsoring agency	Amount (Rs) (Lakh)	PI	Status
Pedestrian behavior under varied traffic and spatial conditions	CSIR, New Delhi	15.46	Satish Chandra	completed in 2011
Use of industrial wastes as filler in Bituminous construction	DST, New Delhi	11.226	Satish Chandra	Completed 2010
Development of capacity norms for non urban roads	CSIR, New Delhi	14.12	Satish Chandra	Completed 2008
Capacity of uncontrolled intersections under mixed traffic conditions	MHRD, New Delhi	8.00	Satish Chandra	Completed (2006)
Development of design procedure for reinforced flexible pavement	MHRD, New Delhi	9.00	Praveen Kumar	Completed (2006)
Importance of highway shoulders in respect of pavement performance and traffic safety	UGC, New Delhi	4.24	Satish Chandra	Completed (2003)
Capacity of two lane roads under mixed traffic conditions	AICTE, New Delhi	5.00	Satish Chandra	Completed (2001)
Capacity of urban roads under mixed traffic conditions	UGC, New Delhi	4.70	Satish Chandra	Completed (1994)

List of awards/Prizes/Honors

1. Awards/Prizes

- (i) First prize in Technical Quiz Competition organized by the Institution of Engineers (India) Roorkee Local Chapter, 1982-83
- (ii) Awarded INSA Visiting Fellowship for three months to work at IIT Bombay during 1993-94
- (iii) The Institution of Engineers (India) award for 1996-97 on research paper entitled "Level of Service for Mixed Traffic at Signalized Intersections".
- (iv) IRC Commendation certificate on paper titled "Load Carrying Capacity of thin SFRC Pavements over WBM Base" for 1999.
- (v) The Institution of Engineers (India) award for 2001 on research paper entitled "Investigation on bituminous mixes with blended modifiers"
- (vi) ISCMS-JP Award – 2001 for the paper "Structural Behaviour of High Strength SFRC Pavements", published in the Indian Concrete Journal, Vol. 73 (11), November 1999.
- (vii) Khosla commendation certificate – 2001 on paper "Factors affecting PCU in mixed traffic situations on urban roads", published in Road & Transport Research, Australian Road Research Board, Vol. 9(3), pp. 40-50.
- (viii) Khosla commendation certificate – 2002 on paper "Effect of directional split and slow moving vehicles on two lane capacity", published in Road & Transport Research, Australian Road Research Board, Vol. 10(4), pp. 33-41.
- (ix) IRC Commendation certificate – 2002 on paper "Headway modeling on urban roads using artificial neural network", published in HRB 65.
- (x) Outstanding teacher award for the year 2006.
- (xi) Was judged star performer by IIT Roorkee for the academic year 2003-04 & 2004-05

2. HONOURS

- (i) Nominated member of **Bitumen Tar and their Products Committee, PCD 6 of BIS, New Delhi**
- (ii) Member, Traffic Engineering Committee of Indian Roads Congress, New Delhi since 1997.
- (iii) Member, IMRA Committee of Indian Roads Congress, New Delhi since 2003.
- (iv) Member, Technical Evaluation committee for world bank aided Uttar Pradesh State Road Projects-II
- (v) Member, Technical Committee of ICORT-95 held at New Delhi
- (vi) Session reporter, ICORT-95 held at New Delhi in 1995.
- (vii) Session Co-chairman, South Asian Countries Conference on Challenges to Architects and Civil Engineering during Twenty-First Century, Kathmandu, April 7-9, 1999.
- (viii) Chaired a technical session on Recycle in 5th International conference on pavement and airfield pavement technology (ICPT) at Seoul during May 10-12, 2005.

LIST OF DISSERTATIONS GUIDED

A. Ph. D. Dissertations

Sl. No.	Candidate	Topic of thesis	Year of award
1.	M. P. S. Chauhan	Strength Characteristics of Composite Pavements	2001
2	Som Nath	Speed Flow Relationships and Capacity Analysis for an Identified Intercity Road Network	2004
3	Mostafa A Kamel	Development of Design Procedure for Reinforced Flexible Pavement	2005
4	Pawan Kumar	Development of High Performance Bituminous Mixes	2005
5	Partha Pratim Dey	Simulation of Mixed Traffic on Two-Lane Roads	2006
6	Prashant P Nagrale	Modeling of Fiber Reinforced Flexible Pavements	2006
7	Ashalatha R.	Critical Gap and Delay Characteristics at Uncontrolled Intersections.	2007
8.	Shaline Shukla	Traffic Flow Modeling on Multilane Divided Highways	2008
9	Rajan Choudhary	Evaluation of Bituminous Mixes with Different Types of Fillers	2008
10.	Abdhesh K. Sinha	Study on Subbase Materials for Rural Roads	2009
11.	T. Ilango	Modeling of pedestrian behavior in urban areas	2011
12.	Vivek R Das	Crossing behaviour of pedestrians in mixed traffic conditions	2011
13.	Haider Habbeb Aodah	Performance prediction model for Bituminous Mixes	Started 2010
14.	Arpan Mehar	Capacity of Multilane Intercity Roads Under Mixed Traffic Conditions	started 2010
15.	Ambika Behl	Performance Characteristics of Warm Asphalt Mixes	started 2011
16.	Anish Bharti	Travel Time Reliability for performance measurement of urban roan network	Started 2011
17.	Ashish Dhamaniya	Capacity of urban Roads under Mixed Traffic Conditions	started 2011

B. M. Tech. Dissertations

1. Field Determination of Modulus of Elasticity of Pavements by Vibration Method. (1986)
2. Efficacy of Anti-stripping Agents for Road Aggregates. (1987)
3. Parametric Study on Unbound Pavement Material Using Cyclic Triaxial Tests. (1987)
4. Comparative Study of Overlaying and Recycling of Bituminous Pavement. (1989)
5. Evaluation of Reinforced Flexible Pavements. (1989)
6. Analysis of Mixed Traffic Flow Through Controlled Intersection for Estimation of Capacity. (1990)
7. Some Aspects of Flexible Pavement Reinforced with Geotextiles.(1990)
8. Strength Characteristics of lime Fly Ash Soil Cement Mixed Under Different Test Conditions. (1990)
9. Relationship of Capacity Factors for Controlled Urban Intersections. (1990)
10. Computer Aided Design of Flexible Pavement Based on IRC -37, 1984. (1991)
11. Effect of Approach Width on saturation Flow Through Signalised Intersection. (1992)
12. Dynamic PCU and Estimation of Capacity of Urban Roads. (1992)
13. Effect of Right Turning Traffic on Saturation Flow Through Signalised Intersections. (1992)

14. Traffic Diversion on Alternate Route Link. (1993)
15. Level of Service for Mixed Traffic Flow at Signalized Intersections. (1994)
16. Capacity of Urban Roads Using Areal Density Concept. (1994)
17. Use of Geofabric in Construction of Road on Poor Subgrade Soil. (1994)
18. Development of Monograms for PCU on Urban Roads. (1995)
19. Development of Correlation Between CBR and Mini SPT Values of Subgrade Soil (1995)
20. Effect of Vehicle Size on Saturation Flow at Signalized Intersections (1996)
21. Parameters of Speed Distribution Curve Under Mixed Traffic Conditions. (1996)
22. Effect of Shoulder Width and Condition on Traffic Operation (1996)
23. Use of GIS in Highway Route Alignment (1996)
24. Development of Correlation Between CBR and Mini DCPT Values (1997)
25. Development of Software for Three Layer Flexible Pavement Analysis (1997)
26. Headway Modelling Under Mixed Traffic on Urban Roads (1997)
27. Development of Aggregate Gradation Curve for Bituminous Mixes (1998)
28. Effect of Shoulder Condition on Speed-Volume Relationship (1998)
29. Laboratory Investigations on Wet Mix Macadam (1999)
30. Mode Choice Analysis Using Neural Network. (1999)
30. Structural Behaviour of Composite Pavements Under Cyclic Loading (1999)
31. Correlation Between CBR and Mini SPT Values of Stabilized Soil (1999)
32. Analysis of Urban Road Traffic Through Simulation (1999)
33. Computer Aided Design of Flexible Pavement Overlays Based on IRC:81, 1997. (1999)
35. Utilization of RHA and Lime Sludge in Road Construction (2000)
36. Effect of Type and Width of Shoulder on Structural Capacity of Flexible Pavement (2000)
37. Strength Characteristics of Bituminous Mixes Using Modified Binders (2000)
38. Effect of Gradient on Capacity of Two Lane Roads (2000)
39. Mixed Traffic Headway Modeling on Urban Roads Using Neural Network. (2000)
40. Strength Characteristics of Bituminous Concrete with Different Types of Filler (2001)
41. Computer Aided Design of Bituminous Mixes for Pavements (2001)
42. Parametric Study on Dry Lean Concrete as a Base Course Material (2001)
43. Effect of Directional Split and Slow Moving Vehicles on Capacity of 2-Lane Roads. (2001)
44. Effect of Lane Width and Surface Condition on Capacity of Two-Lane Roads. (2001)
45. Effect of Roadside Development on Speed and Service Volume of Two-Lane Roads. (2002)
46. Placement of Vehicles on Single and Two-Lane Roads. (2002)
47. Effect of Surface Unevenness on Speed Profile of Two-Lane Roads. (2002)
48. Computer Aided Design of Flexible Pavement Based on IRC:37, 2001. (2002)
49. Development of Graphical Interface for Rural Road Accessibility Planning (2002)
50. Strength Parameters of Stabilized Fly Ash. (2002)
51. Resilient Behaviour of Reinforced Sub Base Material (2003)
52. Accident Analysis on Two-Lane Roads (2003)
53. A Comparative Study on Modified Bituminous Mixes Using Crumb Rubber of Cars and Trucks. (2003)
54. A Study on Structural Adequacy of Flexible Pavement with Different Types of Shoulders (2004).
55. Modeling of Vehicle Arrivals at Uncontrolled Intersections (2004).
56. Estimation of Departure Headway at Uncontrolled Intersection (2004).
57. Comparative Study on Different Sub-base Materials (2004).
58. Capacity Analysis of Multilane Divided Urban Roads (2004).
59. Laboratory Studies on Fiber Reinforced Soils (2004).
60. Overtaking Behavior on a Two Lane Road (2005).
61. Estimation of Critical Gap at Uncontrolled Intersections (2005).
62. Delay at Uncontrolled intersections (2006).
63. Modeling of mixed traffic on a two-lane road using cellular automata (2006).
64. Traffic flow analysis on roundabouts (2007)

65. Performance study of PMGSY Roads (2007)
66. Performance evaluation of bituminous concrete with different fillers. (2007)
67. Behavior of granular materials under cyclic loading (2007).
68. Overtaking behaviour on multilane highways (2007).
69. Comparative study of flexible and rigid pavements for different soil and traffic conditions (2008)
70. Speed flow characteristics of intermediate lane roads (2008)
71. Vehicular interactions at signalized intersections (2008)
72. Pedestrian flow characteristics in urban areas (2008)
73. Pedestrian Crossing behaviour under uncontrolled traffic conditions (2009)
74. Placement characteristics of mixed traffic on multi-lane divided roads (2009)
75. Use of flyash in bituminous construction (2009)
76. Analysis of Pedestrian Risk during Crossing (2010)
77. Development of Level of Service Criteria for Pedestrian Movements (2010)
78. Evaluation of a Bitumen Modifier with Different Additives (2010)
79. Effect of Geometry on the Traffic Capacity of Roundabouts (2010)
80. Concept and Performance of Open Grade Asphalt in India, Germany and the US (2011)
81. Pedestrian Crossing Behavior at Intersections (2011)
82. Evaluation of Relationships between Pavement Distress Parameters (2011)
83. Estimation of LOS at Pedestrian Crossings at Midblocks (2011)