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Dr. ANKIT GUPTA

Career Objective	I aim to work with full of my abilities and knowledge. I would like to dedicate all my time and knowledge to impart education to the students and to learn as well with them. I would like to work in an educational institute where innovation and new ideas are appreciated and both students and teachers are encouraged to ideate together. My aim is to provide strong social interaction and behavioral skills to the students.					
Area of Interest	: Pavement Materials, Rigid and Flexible Pavements, Transportation Planning, Traffic Engineering, Sustainable Pavements, Intelligent Transportation Systems					
Qualifications	: Ph.D. Transportation Engg., M.Tech. Structural Dynamics & B.E. Civil Engg.					
Present Job	: Assistant Professor, Indian Institute of Technology (BHU), Varanasi, UP.					
Skills	Computer Language : C, C++ Software Packages : M.S.Office, ANSYS, KENPAVE, STAAD Pro, SAP, SeismoStruct Experience : 4 years job and 70 days summer training					
Education	Educational Qualification Discipline Year University College/School Percentage					
	Ph.D.	Transportation Engg.	2012	-----	I.I.T. Roorkee	9.5**
	M.Tech.	Structural Dynamics	2007	-----	I.I.T. Roorkee	7.89**
	B.E.	Civil Engg	2005	Rajasthan University	Engg. College Kota	80.94%
	10 + 2	Physics, Chemistry, Mathematics	2000	C.B.S.E.*	St. Johns Senior Secondary School Kota	78%
	10	-	1998	C.B.S.E.*	St. Johns Senior Secondary School Kota	70%
* : Central Board of Secondary Education ** : C.G.P.A. on 10 Point Scale						

Ph.D. Thesis	Name of Guide	Prof. Praveen Kumar and Dr. Rajat Rastogi	
	Topic of Thesis	Structural and Functional Performance Modeling of Low Volume Roads	
M.Tech. Dissertation	Name of Guide	Dr. Pankaj Agarwal	
	Topic of Dissertation	Seismic Evaluation of RC Beam-Column Joint Strengthened with FRP Under Cyclic Load	
Training and Internship	Industry/Company		
		Brief Description	Period
	CBRI Roorkee	Introduction of FRP laminates for strengthening of RC beams in Shear and Flexure.	40 days
	Kota Super Thermal Power Station (Raj.)	Construction of 180 m high single flue chimney using unique slipform technique.	30 days
Projects	Industry/Institute		
		Brief Description	Period
	IIT Roorkee	3-D Modelling and Floor Response Spectrum Analysis of NTPC Super Thermal Power Plant Main Structure at Sipat (Chattisgarh)	4 months
	Engg. College Kota (Raj.)	Design of Anantpura (Kota) by-pass bridge	40 days
Work Experience	Industry/Company		
		Brief Description	Period
	IIT (BHU) Varanasi (UP)	Working as Assistant Professor . Involved in academic and research work.	July 2014 – Till Present
	NIT, Hamirpur (HP)	Worked as Assistant Professor . Involved in academic and research work.	June 2012 – July 2014
	GLNA Institute of Technology, Mathura	Worked as Assistant Professor . Involved in academic and research work.	Dec. 2011 – June 2012
	Holtec Consulting Pvt Ltd. Gurgaon, Haryana, India.	Worked as Project Executive for design of cement concrete and power plants. STAAD PRO was used to design the industrial structure.	6 months (July 2007- Dec 2007)
Academic Achievements	<ul style="list-style-type: none"> • Secured 2nd rank in Rajasthan University in BE Civil Engg in 2005. • Qualified GATE-2005 with 96.4 percentile and awarded with MHRD scholarship for pursuing M.Tech. from IIT Roorkee. • Awarded MHRD scholarship for pursuing Ph.D. from IIT Roorkee. • Awarded Indian Academy of Science (IAS) Summer Research Fellowship (SRF) in year 2014. Enrollment Number: 105ENGT86. • Member Editorial Board, International Journal of Modern Traffic and Transportation Engineering Research (MTTER), USA. • Member Editorial Board, Journal of Transport Literature (JTL-RELIT), Brazilian Transport Planning Society, Brazil. • Reviewer <ul style="list-style-type: none"> • Transport Reviews, A Transnational Trans Disciplinary Journal, Taylor & Francis • International Journal of Pavement Engineering (IJPE), Taylor & Francis • Korean Society of Civil Engineers (KSCE), Springer 		

<p>Administrative Responsibilities</p>	<ul style="list-style-type: none"> • International Journal of Pavement Research and Technology (IJPRT) • International Journal of Pavement Engineering and Asphalt Technology (PEAT) • International Journal of Modern Traffic and Transportation Engineering Research (MTTER) • Journal of The Institution of Engineers (India): Series A, Springer • The Open Transportation Journal, Bentham Science Publishers • International Journal of Civil Engineering, Iran • Delivered Expert Lectures to SSA Engineers on Non Structural Mitigation Measures and Retrofitting Techniques in Training Course on RVS, NSMM and Retrofitting Techniques under National School Safety Programme by HP State Disaster Management Authority. • Delivered Expert Lectures to HP PWD Engineers on Pavement Material Testing and Quality Control in Training Course on DPR Preparation and Quality Assurance for Rural Roads under NRRDA and NIT Hamirpur. • Biography published in Marquis Who's Who in the World 2014, 31st Edition. • Keynote Speaker in International Conference on Advance Trends in Engineering and Technology (ICATET-2013) at Arya College of Engineering and Information Technology Jaipur (Raj.) India, 19-20 Dec. 2013. • Session Chair of Civil Engineering in International Conference on Advance Trends in Engineering and Technology (ICATET-2013) at Arya College of Engineering and Information Technology Jaipur (Raj.) India, 19-20 Dec. 2013. • Invited Lecture on “Seismic Retrofitting of RC Beam Column Joints” in Workshop on “Dynamic Response and Structural Health Monitoring (DRSHM-2014)” at NIT Silchar (Assam), India, 6th – 10th Jan. 2014. • Session Chair on topic “Labeling Policy and Strategy” in International Seminar (PIARC) on Road Sustainability and Green Technology at Nusa Dua Bali, Indonesia, 22-24 April 2014. <ul style="list-style-type: none"> ➤ Assistant Warden, Jawahar Bhawan (Member, Dean of Student's Welfare Association IIT Roorkee) from June-2009 to July-2011. ➤ Programme Coordinator, B.Tech. Civil Engg. GLNA Institute of Technology, Mathura. (Jan 2012 – June 2012) ➤ Proctor, GLNA Institute of Technology, Mathura. (Jan 2012 – June 2012) ➤ Class Advisor (B.Tech. Civil IVth Yr.), GLNA Institute of Technology, Mathura. (Jan 2012 – June 2012) ➤ PG Coordinator, M.Tech. Transportation Engineering, NIT Hamirpur. (Aug 2012 – July 2013) ➤ OIC Time Table, Civil Engineering Department, NIT Hamirpur. (Aug 2012 – July 2013) ➤ Coordinator UG Projects, Civil Engineering Department, NIT Hamirpur. (For Session 2012-13) ➤ Warden, Kailash Boys Hostel of 600 student's capacity, NIT Hamirpur. (June 2013 – July 2014) ➤ OIC Departmental Affairs, Civil Engineering Department, NIT Hamirpur. (July 2013 – July 2014)
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<p>UG/PG Students Supervised</p> <p>Workshops/STC Attended</p> <p>Extra Co-Curricular Achievements</p> <p>Publications</p> <p>Membership of Professional Bodies</p> <p>Personal Information</p>	<ul style="list-style-type: none"> ➤ Attached in Annexure 1. ➤ Attached in Annexure 2. ➤ Attached in Annexure 3. ❖ Around 70 in International and National Journals and Conferences. Detailed list is attached in Annexure 4. 🚩 Life Member, Indian Roads Congress (IRC). LMIRC-34099 🚩 Life Member, Indian Geotechnical Society (IGS). MIGS-3032 🚩 Life Member, India Society of Earthquake Technology (ISET). LM-1562 🚩 Life Member, Institute of Urban Transport (IUT) India. M-1395 🚩 Associate Member, American Society of Civil Engineers (ASCE). A.M.ASCE-972657 🚩 Member, International Society for Concrete Pavements (ISCP). M-1893 <table border="1" data-bbox="435 907 1497 1388"> <tr> <td>Date of Birth</td> <td>11th June, 1982</td> </tr> <tr> <td>Languages Known</td> <td>English (Speak, Read and Write) Hindi (Speak, Read and Write) German (Read and Write) Rajasthani (Speak, Read and Write)</td> </tr> <tr> <td>Category</td> <td>General</td> </tr> <tr> <td>Height</td> <td>177 cm</td> </tr> <tr> <td>Blood Group</td> <td>AB+</td> </tr> <tr> <td>Marital Status</td> <td>Married</td> </tr> <tr> <td>Father's Name.</td> <td>Mr. Ramesh Chand Gupta</td> </tr> <tr> <td>Permanent Address</td> <td>139 U.I.T. Scheme, Sakatpura, Kota, Rajasthan - 324008 Ph: 0744 2370307</td> </tr> </table>	Date of Birth	11 th June, 1982	Languages Known	English (Speak, Read and Write) Hindi (Speak, Read and Write) German (Read and Write) Rajasthani (Speak, Read and Write)	Category	General	Height	177 cm	Blood Group	AB+	Marital Status	Married	Father's Name.	Mr. Ramesh Chand Gupta	Permanent Address	139 U.I.T. Scheme, Sakatpura, Kota, Rajasthan - 324008 Ph: 0744 2370307
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Languages Known	English (Speak, Read and Write) Hindi (Speak, Read and Write) German (Read and Write) Rajasthani (Speak, Read and Write)																
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Father's Name.	Mr. Ramesh Chand Gupta																
Permanent Address	139 U.I.T. Scheme, Sakatpura, Kota, Rajasthan - 324008 Ph: 0744 2370307																
	<p>Prof. Praveen Kumar Professor, Transportation Engineering Group Civil Engineering Department Indian Institute of Technology Roorkee, Roorkee, Uttarakhand (PIN-247667) Email: pkaerfce@iitr.ernet.in Phone: +91-1332-285470</p> <p>Dr. Rajat Rastogi Associate Professor, Transportation Engineering Group Civil Engineering Department Indian Institute of Technology Roorkee, Roorkee, Uttarakhand (PIN-247667) Email: rajatfce@iitr.ernet.in Phone: +91-1332-285447</p>																

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NOTE

The above statements are true to the best of my knowledge and belief.

(Ankit Gupta)

UG Projects Supervised

S. No.	Name and Roll No.	Year	Topic
1.	Abhinav Kumar (09144); Raman Hardeep Singh (09150); Vivek Sharma (09177); Anjan Mahajan (09108); Sharbh (09158)	2013	Analysis of Pavement Deflection Due to Different Tire Shapes and Loading Configurations Using FEM
2.	Divesh Thakur (10150); Kunal Attri (10112); Devender Mahala (10131); Sagar Jangir (10145); Manish Nair (10110)	2014	Effect of Aggregate Shape on Marshall Mix Design & Effect of Size of Aggregates and on the Workability and Strength of Concrete

PG Dissertations Supervised

S. No.	Name and Roll No.	Completion Year	Topic
1.	Bhupendra Singh	2014	Development of Advanced Traveller Information System for Chandigarh City using GIS
2.	Malaya Mohanty	2014	Adolescent Road Crash Modelling Considering Personal and Environmental Factors
3.	Nitin Pundir	2014	Effect of Gradient on Pedestrian Flow Characteristics under Mixed Flow Conditions
4.	Shashi Shekhar	2014	Effect of Traffic Calming Devices on Speed Characteristics of Road Users
5.	Shubhashish	2014	Use of Tyre Chips with Sand Modified with Cement as an Innovative Material for the Sub Base Improvement

WORKSHOPS/SHORT TERM COURSE ATTENDED

S. No.	Description	Duration	Month and Year
1.	Workshop on “Innovative Methods in Concrete Construction (IMCC-2010)” held at Roorkee organized by Indian Society for Construction Materials and Structures (ISCMS) and The Institution of Engineers (India), Roorkee Local Centre.	2 Days	April, 2010
2.	Workshop on “Low Carbon Climate Resilient Construction (LC-CR) – 2013” held at NIT Hamirpur organized by Development Alternatives New Delhi and Center for Energy and Environment NIT Hamirpur.	2 Days	May, 2013
3.	Workshop on “Neuro Linguistic Programming – The Art and Science of Excellence” held at NIT Hamirpur (16 th – 17 th Aug.) organized under TEQIP, NIT Hamirpur.	2 Days	August, 2013
4.	Workshop on “Universal Human Values” held at NIT Hamirpur (27 th – 29 th Aug.) organized under TEQIP, NIT Hamirpur.	3 Days	Aug, 2013

ACHIEVEMENTS LIST

Description	Co-Author	Level	Year & Month
PARTICIPATION CERTIFICATE Participated in 13 th Symposium on Earthquake Engineering held at Deptt. of Earthquake Engg. In IIT Roorkee .		International	Dec. 2006
FIRST PRIZE Awarded For Being First in event FLAWS at COGNIZANCE-07 (Annual Technical Festival of IIT Roorkee).		National	March, 2007
SECOND PRIZE Awarded For Being Second in event B-PLAN Contest at Deptt. of Management Studies in COGNIZANCE-07 (Annual Technical Festival of IIT Roorkee).		National	March, 2007
CERTIFICATE OF MERIT Awarded For Presenting Paper on “Strength and Ductility Evaluation of RC Beam using External FRP Wrapping Technique” at CIVERE-07 in IIT Kanpur .		National	Feb, 2007
CERTIFICATE OF MERIT Awarded For Presenting Poster on “Earthquake Resistant Non Engineered Construction” in event TPS at TRYST-07 in IIT Delhi .		National	Feb, 2007
CO-CONVENER Organized the COGNIZANCE-06 (Annual Technical Festival of IIT Roorkee) in Earthquake Engg. Deptt. as a Departmental Co-Convener.		National	April 2006
CERTIFICATE OF MERIT Awarded For Presenting Paper on “Seismic Base Isolation of Buildings” at COGNIZANCE-06 (Annual Technical Festival of IIT Roorkee).	Prachi Sharma	National	April 2006

FIRST PRIZE Awarded For Being First in Essay Competition on “Role of Civil Engineers After Earthquake” Organized by ACADEMY OF CIVIL ENGINEERS (ACE) .		Institute	2004-2005
THIRD PRIZE Awarded For Making Model of “Through Type Truss Girder Bridge” in Model Competition Organized by ACADEMY OF CIVIL ENGINEERS (ACE) .	Manish Goyal, Pranav Sharma	Institute	2004-2005
CERTIFICATE OF MERIT Awarded For Presenting Paper on “Repair & Rehabilitation of Structures” at National Level Symposium in Ahemdabad at Nirma Institute of Technology.		National	2004-2005
CERTIFICATE OF MERIT Awarded For Presenting Paper on “Intelligent Transportation System using GPS” at National Level Paper Presentation Competition in Kota at Modi Institute of Technology .	Amit Saronja	National	2004-2005
CERTIFICATE OF MERIT Awarded For Presenting Paper on “Epoxy: An Effective Repair Material in Concrete Structures” at National Level Paper Presentation Competition in Kadi (Guj.) at S.V.Institute of Computer Sciences .	Pranav Sharma, Love Panchal	National	2004-2005
CERTIFICATE OF MERIT Awarded For Making Model of Bridge Structure at National Level Symposium in Ahemdabad at Nirma Institute of Technology.		National	2004-2005
CERTIFICATE OF MERIT Awarded For Making Model in State Level Model Making Competition “ABHIVYAKTI-2005” Organized by Takniki Shiksha Vidyarathi Parishad .	Manish Goyal, Pranav Sharma	State	2004-2005
SECOND PRIZE For General Proficiency in III rd Year B.E.		Institute	2003-2004
THIRD PRIZE For General Proficiency in II nd Year B.E.		Institute	2002-2003

LIST OF PUBLICATIONS**Book / Monograph – 1**

1. **Gupta, A.** (2012). “Seismic Evaluation of Joints Before and After Retrofitting”, **LAP LAMBERT Academic Publishing GmbH & Co. KG**, Saarbrucken, Germany. (ISBN: 978-3-8484-9835-2)

Journals (International and National) – 23 (11 Published, 3 Accepted and 9 Communicated)

1. **Gupta, A., Kumar, P. and Rastogi, R.** (2015). “Critical Pavement Response Analysis of Low Volume Pavements Considering Non Linear Behavior of Materials”, **Transportation Research Record (TRR), Journal of the Transportation Research Board (TRB)**. (Accepted)
2. **Gupta, A., Kumar, P. and Rastogi, R.** (2014). “Mechanistic-Empirical Approach for Design of Low Volume Pavements”, **International Journal of Pavement Engineering, Taylor and Francis**. (Accepted)
3. **Gupta, A. and Kumar, A.** (2014). “Comparative Structural Analysis of Flexible Pavements Using Finite Element Method”, **International Journal of Pavement Engineering and Asphalt Technology (PEAT)**, Vol. 15, No. 1, pp. 11-19.
4. Shubhashish, **Gupta, A.** (2014). “Study on Strength Characteristics of River Sand in Combination with Cement and Waste Tire Rubber Chips”, **International Journal of Engineering Research and Technology (IJERT)**, Vol. 3, No. 4, pp. 228-232.
5. Jain, A., **Gupta, A.** and Rastogi, R. (2014). “Pedestrian Crossing Behavior Analysis at Intersections”, **International Journal of Traffic and Transportation Engineering (IJTTE)**, Vol. 4, No. 1, pp. 103-116.
6. Agarwal, P., **Gupta, A.** and Angadi, R. G. (2014). “Effect of FRP Wrapping on Axial Behavior of Concrete and Cyclic Behavior of External RC Beam Column Joints”, **Korean Society of Civil Engineers (KSCE), Journal of Civil Engineering, Springer**, Vol. 18, No. 2, pp. 566-573.
7. **Gupta, A.** (2014). “A Review of Environmental Factors on Flexible Pavement Performance Modelling”, **Journal of Modern Traffic and Transportation Engineering Research (MTTER)**, Vol. 3, Issue 1, pp. 14-20.
8. **Gupta, A., Kumar, P. and Rastogi, R.** (2014). “Critical Review of Flexible Pavement Performance Models”, **Korean Society of Civil Engineers (KSCE), Journal of Civil Engineering, Springer**, Vol. 18, No. 1, pp. 142-148.
9. Kumar, P., Rastogi, R., **Gupta, A.** and Jain, A. (2012). “Land-Uses and Activity-Based Traffic Forecasting Model”, **Indian Highways, Journal of Indian Roads Congress**, New Delhi, Vol. 40, No. 4, pp. 25-41.

10. **Gupta, A.**, Kumar, P. and Rastogi, R. (2012). “A Critical Review of Flexible Pavement Performance Models Developed for Indian Perspective”, **Indian Highways**, Journal of Indian Roads Congress, New Delhi, Vol. 40, No. 3, pp. 41-60.
11. **Gupta, A.**, Kumar, P. and Rastogi, R. (2011). “Pavement Deterioration and Maintenance Models for Low Volume Roads”, **International Journal of Pavement Research and Technology**, Vol. 4, No. 4, pp. 195-202.
12. **Gupta, A.** and Agarwal, P. (2010). “Cyclic Behaviour of Confined and Unconfined RC Beam Column Joints (T-Joints)”, **International Journal of Earth Sciences and Engineering**, Vol. 3 No. 4 - Special Issue, pp. 671-684.
13. Kumar, P. and **Gupta, A.** (2010). “Provision of Rigid, Semi Rigid and Flexible Pavements as Rural Roads”, **New Building Materials & Construction World**, Vol. 16, Issue 3, pp. 160-167.
14. **Gupta, A.**, Kumar, P. and Rastogi, R. “Performance Evaluation and Design Criteria for Low Volume Flexible Pavements”, **Journal of Indian Roads Congress, IRC, New Delhi. (Accepted)**
15. Pundir, N. and **Gupta, A.** “A Critical Assessment of Studies on Pedestrian Flow”, **Journal of the Institution of Engineers (India): Series A, Springer.** (First Review Submitted)
16. Singh, B. and **Gupta, A.** “Advancements in Intelligent Transportation Systems: A Review”, **Journal of the Institution of Engineers (India): Series A, Springer.** (First Review Submitted)
17. Pundir, N. and **Gupta, A.** “Pedestrian Flow Characteristics Studies: A Review”, **Transport Reviews, Taylor and Francis.** (Under Second Review)
18. Mohanty, M. and **Gupta, A.** “Recent Trends in Road Accident Modeling”, **Journal of Indian Roads Congress, IRC, New Delhi.** (First Review Submitted)
19. Singh, B. and **Gupta, A.** “Recent Trends in Intelligent Transportation Systems: A Review”, **Journal of Transport Literature, Brazil.** (Under First Review)
20. Mohanty, M. and **Gupta, A.** “Factors Affecting Road Crash Modeling: A Review”, **Journal of Transport Literature, Brazil.** (Under First Review)
21. Singh, B., **Gupta, A.** and Suman, S. “Framework for Development of Advanced Traveler Information System: A Case Study for Chandigarh City”, Journal of Institute for Urban Transport, India. (Communicated)
22. Mohanty, M. and **Gupta, A.** “Investigation of Adolescent Accident Predictive Variables in Hilly Regions”, **International Journal of Injury Control and Safety Promotion, Taylor and Francis.** (Communicated)

23. **Gupta, A.**, Kumar, P. and Rastogi, R. “Finite Element Analysis of Low Volume Pavements Considering Material Nonlinearity”, **Korean Society of Civil Engineers (KSCE), Journal of Civil Engineering, Springer.** (Communicated)

International Conferences – 33 (25 Published, 1 Accepted and 6 Communicated)

1. **Gupta, A.**, Rastogi, R. and Kumar, P. (2008). “Flexible Pavement Performance Models: A Review”, Proc., of IIT Bombay Golden Jubilee International Conference and 8th International Workshop on Transportation Planning and Implementation Methodologies for Developing Countries: Infrastructure Systems, TPMDC-2008, Paper ID-241.
2. **Gupta, A.**, Kumar, P. and Rastogi, R. (2009). “Overview of Flexible Pavement Performance Models: An Indian Perspective”, Proc., of International Conference on Pavement Engineering, ICPE-2009, College of Engineering and Technology, B.P.U.T. Bhubaneswar, pp 14-29.
3. **Gupta, A.** and Agarwal, P. (2009). “Cyclic Behavior of Confined and Unconfined RC Beam Column Joints (T-Joints)”, Proc., of 1st International Conference on Advances in Concrete, Structural and Geotechnical Engineering, ACSGE-2009, BITS Pilani, pp 136.
4. Kumar, P. and **Gupta, A.** (2010). “Case Studies on Failure of Bituminous Pavements”, Proc., of 1st International Conference on Pavement Preservation, ICPP-2010, California USA, Paper ID-52, pp 505-518.
5. **Gupta, A.** and Agarwal, P. (2010). “Analytical Study on Cyclic Behaviour of Confined and Unconfined RC Beam Column Joints (T-Joints)”, Proc., of International Conference on Design and Construction of Urban Transport Structures, National Bridge Research and Development Centre, Hyderabad, Vol. 1, pp 97-107.
6. **Gupta, A.**, Kumar, P. and Rastogi, R. (2010). “Application of Finite Element Based Models in Flexible Pavement Performance Analysis”, Proc., of International Conference on Developments in Road Transportation, DRT-2010, National Institute of Technology Rourkela, Orissa, India, pp 692-702.
7. **Gupta, A.** and Agarwal, P. (2010). “Cyclic Excitation of GFRP Strengthened RC Beam Column Joints (T-Joints)”, Proc., of 14th Symposium on Earthquake Engineering, Indian Institute of Technology Roorkee, India, Vol. 2, pp 1281-1293.
8. Agarwal, M. and **Gupta, A.** (2011). “Harmonizing the Engineering Concept of Building with Sustainability: Green Buildings”, Proc., of International Conference on Green City, Design, Planning, and Management, ICGCDPM-2011, MANIT Bhopal, Madhya Pradesh, India, pp. 150-164.
9. **Gupta, A.**, Kumar, P. and Rastogi, R. (2011). “Rating Based Approach for Performance Evaluation of Low Volume Roads”, Book of Abstracts, International Conference on Advances in Materials and Techniques for Infrastructure Development, AMTID-2011, NIT Calicut, Kerala, India, pp. 85.

10. **Gupta, A.**, Kumar, P. and Rastogi, R. (2011). “Effect of Environmental Factors on Flexible Pavement Performance Modelling”, CD Proc., of 8th International Conference on Managing Pavement Assets, ICMPA-2011, Santiago, Chile, Paper ICMPA 216.
11. **Gupta, A.**, Kumar, P. and Rastogi, R. (2011). “Flexible Pavement Performance Model for Low Volume Roads”, CD Proc., of 8th International Conference on Managing Pavement Assets, ICMPA-2011, Santiago, Chile, Paper ICMPA217.
12. **Gupta, A.** and Agarwal, P. (2012). “Performance Evaluation of Exterior RC Beam Column Joint Strengthened with FRP Under Cyclic Load”, Proc., of Fourth International Conference on Structural Stability and Dynamics, ICSSD-2012, NIT Jaipur, Rajasthan, India, Vol. 2, pp. 182-191.
13. **Gupta, A.**, Kumar, P. and Rastogi, R. (2012). “Functional Performance Analysis of Low Volume Roads”, Proc., of 11th International Conference on Pavement Engineering and Infrastructure, 15-16 February, Britannia Adelphi Hotel, Liverpool, UK, pp. 42. (ISBN 978-0-9571804-0-6)
14. **Gupta, A.**, Kumar, P. and Rastogi, R. (2012). “Effect of Environmental Factors on Flexible Pavement Performance Modeling: A Review”, Proc., of International Conference on Highway Engineering “Sustainable Innovations towards Green Highways”, ICHE-2012, Bangkok, Thailand, Vol. 1, pp. 203-210.
15. **Gupta, A.**, Kumar, P. and Rastogi, R. (2012). “Investigations using DCP on Subgrade Layers of Low Volume Roads”, Proc., of International Conference on Highway Engineering “Sustainable Innovations towards Green Highways”, ICHE-2012, Bangkok, Thailand, Vol.1, pp. 211-218.
16. **Gupta, A.**, Kumar, P. and Rastogi, R. (2012). “Pavement Deterioration and Maintenance Model for Low Volume Roads”, Proc., of International Conference on Highway Engineering “Sustainable Innovations towards Green Highways”, ICHE-2012, Bangkok, Thailand, Vol. 2, pp. 381-388.
17. **Gupta, A.** (2013). “Workability of Fiber Reinforced Self-Compacting Concrete”, Proc., of UKIERI Concrete Congress: Innovations in Concrete Construction, Dr. B. R. Ambedkar National Institute of Technology Jalandhar, Punjab, India. (Published)
18. Mohanty, M. and **Gupta, A.** (2013), “A Review of Recent Trends in Road Accident Modeling”, Proc., of International Conference on Advance Trends in Engineering and Technology, ICATET-2013, Jaipur, India, pp. 368-374.
19. Singh, B. and **Gupta, A.** (2013), “Advancements in Intelligent Transportation Systems: A Review”, Proc., of International Conference on Advance Trends in Engineering and Technology, ICATET-2013, Jaipur, India, pp. 375-383.
20. **Gupta, A.**, Thakur, D. and Attri, K. (2013), “Effect of Aggregate Shape on Marshall Mix Design”, Proc., of International Conference on Advance Trends in Engineering and Technology, ICATET-2013, Jaipur, India, pp. 384-390.

21. **Gupta, A.** and Kumar, A. (2014). “Comparative Structural Analysis of Flexible Pavements Using Finite Element Method”, Proc., of 13th Annual International Conference on Asphalt, Pavement Engineering and Infrastructure, 26-27 February, Britannia Adelphi Hotel, Liverpool, UK.
22. **Gupta, A.** (2014). “Green Roads: Sustainable Low Volume Roads with Hill Environment in Uttarakhand, India”, Proc., of International Seminar on Road Sustainability and Green Technology, 23-24 April, Bali, Indonesia. (Abstract in CD Proceedings)
23. Singh, B., Srivastava, S. and **Gupta, A.** (2014). “Sustainable Pavement Materials: A Review”, Proc., of International Seminar on Road Sustainability and Green Technology, 23-24 April, Bali, Indonesia. (Abstract in CD Proceedings)
24. **Gupta, A.**, Kumar, P. and Rastogi, R. (2014). “Subgrade Strength Characterization for Low Volume Roads”, Proc., of 12th International Society for Asphalt Pavements Conference, ISAP-2014, Raleigh, North Carolina, USA, Poster Id-1173.
25. Meena, U., Chandra, S. and **Gupta, A.** (2014). “Laboratory Evaluation of Sulphur Extended Asphalt Modifier”, Proc., of 12th International Society for Asphalt Pavements Conference, ISAP-2014, Raleigh, North Carolina, USA, Paper Id-1140.
26. Mohanty, M. and **Gupta, A.** (2014), “Adolescent Accidents Prediction Modelling in the City of Palampur: A Case Study”, Proc., of 11th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries, 10-12 December, Bombay, India. (Communicated)
27. Singh, B., **Gupta, A.** and Suman, S. (2014). “Framework for Development of Advanced Traveler Information System: A Case Study for Chandigarh City”, Proc., of 11th International Conference on Transportation Planning and Implementation Methodologies for Developing Countries, 10-12 December, Bombay, India. (Communicated)
28. **Gupta, A.**, Kumar, P. and Rastogi, R. (2015). “Critical Pavement Response Analysis of Low Volume Pavements Considering Non Linear Behavior of Materials”, Proc., of 11th International Conference on Low Volume Roads, TRB, Pittsburgh, PA, USA. (**Accepted**)
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