Profile Page

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Department	:	Civil Engineering
Qualification	:	Ph.D. CIVIL (Transportation Engineering: Rigid pavements) (IIT ROORKEE) M.Tech. CIVIL(Transportation Engineering) (IIT ROORKEE) B.E. CIVIL (PEC Chandigarh)
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Research Interests :

Rigid pavement rehabilitation and maintenance, pavement materials, High performance overlays for Rigid and flexible pavements, subgrade materials, asphalt testing

Other Profile Links :

Google Scholar Link :

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Personal Web Link :

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Journal Publications :

Year	Journal	Publication
2022	Innovative Infrastructure Solutions	Dadi Rambabu, Shashikant Sharma, M Abdul Akbar, A review on suitability of using geopolymer concrete for rigid pavements.
2022	Advances in Materials Research, Vol. 11, No. 1 (2022) 59-73	Shashi Kant Sharma, K V Praveen Kumar, M Abdul Akbar, Dadi Rambabu. Comparative study of finite element analysis and generalized beam theory in prediction of lateral torsional buckling
2022	Proceedings of SECON’21	Shashi Kant Sharma, K V Praveen Kumar, M Abdul Akbar, Dadi Rambabu. Application of Generalised Beam Theory in Predicting Lateral Torsional Buckling of Thin-Walled Steel Sections
2022	Innovative Infrastructure Solutions	Dadi Rambabu, Shashikant Sharma, M Abdul Akbar, A review on suitability of roller compacted concrete for constructing high traffic resisting pavements.

2022	Transportation Research Part D	Sandeep Singh, Shashi Kant Sharma, M. Abdul Akbar, Developing zero carbon emission pavements with geopolymer concrete: A comprehensive review.
2021	Materials Today: Proceedings	Shashi Kant Sharma, Omkar prakash Navagire, Dadi Rambabu. Stabilization of black cotton soil with coal bottom ash
2021	Materials Today: Proceedings	Dadi Rambabu, Shashi Kant Sharma, M. Abdul Akbar. Development of pavement quality concrete with SCM's, fibers and graphite
2021	International Journal of Pavement Research and Technology	Shashi Kant Sharma, Kanish Kapoor, Mohit Kumar, Dadi Rambabu. Evaluating the effect of different mix compositions and site curing methods on the drying shrinkage and early strength of pavement quality self-compacting concrete
2019	Heliyon, 5(8)	Shashi Kant Sharma, Properties of SCC containing pozzolans, Wollastonite micro fiber, and recycled aggregates
2018	Advances in Concrete Construction, Vol. 6, No. 2, pp. 123-143	Sharma S.K., Ransinchung G.D. and Kumar Praveen, Investigating the Use of Wollastonite Micro Fiber in Yielding SCC
2017	International Journal of Civil Engineering and Technology, IAEME, Volume 8, Issue 3,pp. 137–145	Sharma, S.K., Panchal, S., Roy A.K., and Khan, M.M., Performance comparison of flyash and Wollastonite micro-fiber in obtaining self compacting concrete mixes
2017	Russian Journal of Building Construction and Architecture, Vol. 4, No. 36, 116-125	Shashi Kant Sharma, Aniruddha D. Chopadekar, Samarth Y. Bhatia, Improvement in pavement quality concrete by using pozzolanic materials with polypropylene fiber
2017	International Journal of Engineering TRANSACTIONS B: Applications, Vol. 30, No. 11, pp. 1681-1690	Sharma, S.K., Ransinchung, G.D., and Kumar, P. and Roy A.K. "Comparison of Permeability and Drying Shrinkage of Self Compacting Concrete Admixed with Wollastonite Micro Fiber and Flyash."
2013	International Journal of Pavement Research and Technology, Chinese Society of Pavement Engineering, ISSN 1997-1400, 6 (6), pp. 765-772.	Sharma, S.K., Ransinchung, R.N., and Kumar, P. "Micro fiber reinforced cement paste and mortar overlays- A review."
2013	International Journal of Scientific & Engineering Research, ISSN 2229-5518, 4(5), pp. 91-94	Sharma, S.K., Ransinchung, R.N., and Kumar, P. "Effect of wollastonite micro fiber addition in mortar and concrete mixes."
2013	Journal of Materials in Civil Engineering, ISSN 0899-1561 ASCE, 25 (10), pp. 1357-1365	Kumar, P., and Sharma, S.K. "Prediction of equivalency factors for various subbase and base courses
2013	Indian Highways, Indian Roads Congress, ISSN 0376-7256, 41 (10), pp. 38-47.	Sharma, S.K., Anupam, A. K., Ransinchung, G.D., and Kumar, P. "Fiber reinforced cement composites: A Review."

Conference Publications :

Year	Conference	Publication
2019	National Conference on Structural Technology (CoAST-2019),NIT Silchar,Assam,India	Sharma, S.K., High Flow Pavement Quality Concrete Reinforced with Wollastonite Microfiber for Rigid Pavements
2019	National Conference on Structural Technology (CoAST-2019),NIT Silchar,Assam,India	Sharma, S.K.,Evaluating toughness as a parameter to determine fatigue life of Wollastonite micro fiber reinforced high flow pavement quality concrete
2019	National Conference on Structural Technology (CoAST-2019),NIT Silchar,Assam,India	Sharma, S.K., Wet state analysis of WMF reinforced & flyash admixed cement composites

2019	Experimentation and Progression in Engineering, Research and Technology (EXPERT-2019)	Shashi Kant Sharma and Praveen Kumar K V, Lateral torsional buckling and interaction of buckling modes in thin walled steel sections: A review
2019	Experimentation and Progression in Engineering, Research and Technology (EXPERT-2019)	Abhishank Kumar, Shashi Kant Sharma and Davinder Singh, Materials needed for yielding a bendable and ductile concrete- A review
2019	Experimentation and Progression in Engineering, Research and Technology (EXPERT-2019)	Suchendra Singh Bhidania and Shashi Kant Sharma, Strength and thermal conductivity of concretes containing materials with low coefficient of thermal expansion-A review
2018	International conference on Advances In Construction Materials and Structures, March 7-8, Roorkee, India	Shashi Kant Sharma, G.D.Ransinchung R.N., Praveen Kumar and Amrit Kumar Roy, Abrasion resistance of wollastonite microfiber reinforced mortar mixes
2018	International conference on Advances In Construction Materials and Structures, March 7-8, Roorkee, India	Shashi Kant Sharma, G.D.Ransinchung R.N., Praveen Kumar and Amrit Kumar Roy, Strength comparison of cement composites admixed with wollastonite micro fiber and pozzolans
2018	International Conference on Advances in Construction Materials and Structures (ACMS-2018), IIT Roorkee, Roorkee, Uttarakhand, India.	A. K. Roy, Jagbir Singh, Shashi Kant Sharma and S.K. Verma. Wind Pressure Variation on Pyramidal Roof of Rectangular and Pentagonal Plan Low Rise Building through CFD Simulation
2018	International Conference on Advances in Construction Materials and Structures (ACMS-2018), IIT Roorkee, Roorkee, Uttarakhand, India	A.K. Roy, Aslam Aziz, S.K. Verma and Shashi Kant Sharma. Influence of Surrounding Buildings on Canopy Roof of Low Rise Buildings in ABL by CFD Simulation.
2017	National Conference on Roads and Transport (NCORT-2017), Oct 14-15, 2017, IIT Roorkee	Shashi Kant Sharma, Sunil Sharma and Himanshu Yogi, A comparative study on utilization of marble dust and fly ash in rigid pavement
2017	National Conference on Roads and Transport (NCORT-2017), Oct 14-15, IIT Roorkee	Shashi Kant Sharma, Sunil Sharma, Anand Kumar and Rajesh Kharola (2017).“Comparison of marble dust with wollastonite micro fiber as filler in HMA
2017	International conference on emerging trends in Engineering Innovations and Technology Management, 16-18 December, NIT Hamirpur, India	Chopadekar, A.D., Bhatia, S.Y., Sharma, S.K. “Improvement in Pavement Quality Concrete by using Pozzolanic Materials with Polypropylene Fiber.”
2017	International conference on emerging trends in Engineering Innovations and Technology Management, 16-18 December, NIT Hamirpur, India	Sharma, S.K., Kumar, A., Raizada, A. and Kumar, N. “Comparison of use of Marble dust and Fly Ash in Pavement Quality Concrete.”
2017	International conference on emerging trends in Engineering Innovations and Technology Management, 16-18 December, NIT Hamirpur, India	Sharma, S.K., Jawed, M.T., Gupta, D., Kumar, P. and Arya, G.S. “Effect of Wollastonite Micro fiber on Bituminous Paving Mixes.”
2016	National Conference on Fifteen Years of PMGSY (FYPMGSY), Transportation Engineering Group, Civil Engineering Department, IIT Roorkee, India	2. Sharma, S.K., Ransinchung, G.D., and Kumar, P., Rigid pavements constructed with WMF reinforced SCC in rural roads
2016	National conference on advancements in engineering and energy sciences (AEEES), NIT Hamirpur	Sharma, S.K., Sharma, Sunil and Kumar, K.N. “Influence of fibre addition on consistency and setting times of cement pastes.”
2016	A National Conference on Fifteen Years of PMGSY (FYPMGSY), Transportation Engineering Group, Civil Engineering Department, IIT Roorkee, India	Sharma, S.K., Ransinchung, G.D., and Kumar, P. “Rigid pavements constructed with WMF reinforced SCC in rural roads.”
2014	1ST International Conference on Innovative Advancements in Engineering and Technology, JNU, Jaipur	Sharma, S.K., Ransinchung, R.N., and Kumar, P. “Role of wollastonite micro fiber in rigid pavement.”

2013	2nd International Conference on Emerging Trends in Engineering & Technology, Moradabad, India.	Sharma, S.K., Ransinchung, R.N., and Kumar, P. “Difference in loading behaviour between semi rigid and ordinary base course materials”.

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
P.I.	Internal Seed Grant	Low cost early strength self compacting concrete for use in rigid pavements.	TEQIP	10-11-18	9-11-19	197000	ongoing	Dr. Kanish Kapoor

Events Organized :

Category	Type	Title	Venue	From	To	Designation
Conference	International	International conference on emerging trends in Engineering Innovations and Technology Management.	NIT Hamirpur, India.	16.12.17	18.12.17	publication chair, session chair, keynote speaker