

## LIST OF PUBLICATIONS

### Journal Publications (Published/ Accepted)

1. **Choudhary, J., Kumar, B., & Gupta, A. (2021).** “Potential Utilization of Construction Wastes in Asphalt Pavements as Fillers using Ranking Framework.” *Construction and Building Materials, Elsevier*, 277, 122262
2. **Choudhary, J., Kumar, B., & Gupta, A. (2020).** “Feasible Utilization of Waste Limestone Sludge as Filler in Bituminous Concrete.” *Construction and Building Materials, Elsevier*, 239, 117781.
3. **Choudhary, J., Kumar, B., & Gupta, A. (2020).** “Performance Evaluation of Industrial Waste Modified Asphalt Mixes using Ranking Methodology.” *Journal of Materials in Civil Engineering, ASCE*, 32(5), 04020064.
4. **Choudhary, J., Kumar, B., & Gupta, A. (2020).** “Effect of Filler on the Bitumen-Aggregate Adhesion in the Asphalt Mix.” *International Journal of Pavement Engineering, Taylor and Francis*, 21:12, 1482-1490.
5. **Choudhary, J., Kumar, B., & Gupta, A. (2020).** “Utilization of solid waste materials as alternative fillers in asphalt mixes: A review.” *Construction and Building Materials, Elsevier*, 234, 117271.
6. **Choudhary, J., Kumar, B., & Gupta, A. (2020).** “Use of Industrial Wastes as Alternative Fillers in Bituminous Concrete.” *Indian Highways, Indian Road Congress*, 48(11), 11-22.
7. **Choudhary, J., Kumar, B., & Gupta, A. (2019).** “Use of Dimension Limestone Sludge as Filler in Asphalt Mix.” *Proceedings of the Institution of Civil Engineers-Construction Materials. ICE*, DOI: 10.1680/jcoma.18.00022.
8. **Choudhary, J., Kumar, B., & Gupta, A. (2018).** “Application of Waste Materials as Fillers in Bituminous Mixes.” *Waste Management, Elsevier*, 78, 417-425.

### Journal Publications (Under Review)

1. **Choudhary, J., Kumar, B., & Gupta, A.** “Analyzing the Influence of Waste Fillers on the Ageing Susceptibility of Asphalt Concrete.” *International Journal of Pavement Engineering, Taylor and Francis (Minor Revision Submitted)*
2. **Choudhary, J., Kumar, B., & Gupta, A.** “Evaluation of Engineering, Economical and Environmental Suitability of Waste Filler Incorporated Asphalt Mixes and Pavements.” *Road Materials and Pavement Design, Taylor and Francis (Minor Revision Submitted)*
3. **Choudhary, J., Kumar, B., & Gupta, A.** “Utilization of Waste Glass Powder and Glass Lime Composite in Asphalt Mixes - Engineering, Economical and Environmental Analysis.” *International Journal of Pavement Engineering, Taylor and Francis (Under Review)*

### **Book Chapters/ Editor Notes**

1. **Choudhary, J., Kumar, B., & Gupta, A.** (2020). "Effect of Waste Fillers on the Rutting and Fatigue Behavior of Asphalt Mastic and Mixes." *Proceedings of the 9th International Conference on Maintenance and Rehabilitation of Pavements-MAIREPAV9*, Springer, 385-395.
2. Asthana, G., **Choudhary, J., Kumar, B., & Gupta, A.** (2020). "Experimental Investigation of Waste Glass Powder as Filler in Asphalt." *Recent Developments in Waste Management*. Springer, 261-270.
3. Singh, S., **Choudhary, J., Kumar, B., & Gupta, A.** (2020). "Effects of using Kota stone as Filler on Mechanical Properties of Asphalt Concrete Mixes." *Recent Developments in Waste Management*. Springer, 249-259.
4. Choudhary, J., Kumar, B., & Gupta, A. (2019). "Influence of Filler Types and their Quantities on Bitumen-Aggregate Adhesion." *Bituminous mixtures and pavements VII: Proceedings of the 7th international conference*, Taylor and Francis, 689-698.
5. Choudhary, J., Kumar, B., & Gupta, A. (2018). "Performance of Asphalt Mix with Glass and Glass-Lime Composite Fillers." *Advances in Materials and Pavement Performance Prediction -Proceedings of the International AM3P Conference*, Taylor and Francis, 387-390.
6. **Choudhary, J., Kumar, B., & Gupta, A.** (2017). "Potential of Solid Wastes Generated in India As Mineral Fillers in Flexible Pavements: Opportunities and Challenges." *Waste Management*, Elsevier, 69, I-III.

### **Conference Publications**

1. **Choudhary, J., Kumar, B., & Gupta, A.** (2020). "Effect of filler type and content on the rheological properties of asphalt mastics." *RILEM International Symposium on Bituminous Materials (ISBM Lyon 2020)*. June 8-10, Lyon, France.
2. **Choudhary, J., Kumar, B., & Gupta, A.** (2020). "Effectiveness of glass powder and glass-hydrated lime composites as alternative fillers in asphalt mixes." *99<sup>th</sup> Annual Meeting of Transportation Research Board*. January 12-16, Washington D.C., USA.
3. **Choudhary, J., Kumar, B., & Gupta, A.** (2019). "Performance evaluation of industrial waste filler modified asphalt mixes." *98<sup>th</sup> Annual Meeting of Transportation Research Board*. January 13-17, Washington D.C., USA.
4. **Choudhary, J., Kumar, B., & Gupta, A.** (2018). "Performance evaluation of waste fillers admixed asphalt mixes." *International Conference of Transportation Research Forum*. August 03-04, Colombo, Sri Lanka.
5. **Choudhary, J., Kumar, B., & Gupta, A.** (2018). "A review of solid waste materials as alternative fillers in asphalt mixes." *International Conference of Resource Sustainability*. June 27-29, Beijing, China.

6. **Choudhary, J., Kumar, B., & Gupta, A. (2018).** “Recycling of glass and glass-hydrated lime composite as filler in asphalt mixes.” *International Conference of Resource Sustainability*. June 27-29, Beijing, China.
7. **Choudhary, J., Kumar, B., & Gupta, A. (2018).** “Investigation of using Dimension Limestone Slurry Waste as Filler in Asphalt.” *97<sup>th</sup> Annual Meeting of Transportation Research Board*. January 7-11, Washington D.C., USA.
8. **Choudhary, J., Kumar, B., & Gupta, A. (2018).** “Performance of asphalt mix with glass and glass-lime composite fillers.” *International Conference of Advances in Materials and Pavement Performance Prediction*. April 16-18, Doha, Qatar.
9. **Choudhary, J., Kumar, B., & Gupta, A. (2017).** “Suitability of various Indian wastes as fillers in bituminous mixes.” *National Conference on New Technology for Road Construction*. December 8-9, Lucknow, India
10. **Choudhary, J., Kumar, B., & Gupta, A. (2017).** “A preliminary investigation into the physical and chemical properties of industrial wastes used as mineral fillers in asphalt mixes.” *10<sup>th</sup> International Conference on Pavement Technology*. August 8-10, Hong Kong, China.
11. **Choudhary, J., Kumar, B., & Gupta, A. (2017).** “Investigation of Marshall characteristics & durability of glass powder incorporated dense graded asphalt.” *International Conference on Advances in Highway Engineering & Transportation Systems*. July 21, Colombo, Sri Lanka.
12. **Choudhary, J., Kumar, B., & Gupta, A. (2016).** “Preliminary characterization of waste materials as mineral filler for hot mix asphalt.” *12<sup>th</sup> International Conference of Transportation Planning and Implementation Methodology for Developing Countries*. December 19-21, Mumbai, India.
13. **Choudhary, J., Kumar, B., & Gupta, A. (2016).** “Laboratory evaluation on recycling waste industrial glass powder as mineral filler in hot mix asphalt.” *Civil Engineering Conference-Innovation for Sustainability*. September 9-10, Hamirpur, India.