

**Publications:****International Journal:**

Mandrawalia, A.K. and Gaur, A., 2021, February. Investigating mechanical properties of sustainable concrete admixing wollastonite micro fibre and granite block cutting waste. In *Materials Science Forum* (Vol. 1019, pp. 53-61). Trans Tech Publications Ltd.

Mandrawalia, A.K., Gaur, A. and Mittal, A., 2021. Investigation of rheological and performance characteristics of oxidized polyethylene polymer blended with SBS modified bitumen. In *IOP Conference Series: Materials Science and Engineering* (Vol. 1017, No. 1, p. 012030). IOP Publishing.

Mandrawalia, A.K. and Gaur, A., 2021. Compressive and sorptivity characteristic of concrete modified with wollastonite fibre and waste granite fines. *Materials Today: Proceedings*, 42, pp.1012-1016.

Mandrawalia, A.K., Gaur, A. and Mittal, A., 2017. Laboratory study on SBS modified bitumen with Titan copolymer. *Journal of Civil Engineering and Environmental Technology*, 1(3), pp.5-8.

**International Conference:**

M.A. Ansari , R.P. Singh , A.K. Mandrawalia “Biochar for Environmental and Structural Uses: A Review”, International Conference on Advances in Structural and Geotechnical Engineering (ASAGE 2025), IIT Patna, Bihar, India during 06 to 08 February, 2025.

**National Conference:**

Ajeet Kumar Yadav, Ajay Kumar Mandrawalia, Anupam Rawat, “Mechanical and Durability Properties of Sisal Fiber Reinforced Functionally Graded Concrete”, National Conference on Green Technology and Sustainable Development (GTSD-2024), NIT Patna, Bihar, India during 30 to 31 May, 2024.

Prince Kumar Singh, Ajay Kumar Mandrawalia, Abhishek Mittal, Vidhi Vyas, “Assessment of Performance Characteristics of Rice Husk Ash Modified Bitumen”, National Conference on Green Technology and Sustainable Development (GTSD-2024), NIT Patna, Bihar, India during 30 to 31 May, 2024.

Suraj Bhardwaj, Ajay Kumar Mandrawalia, Vidhi Vyas, “Evaluation of Performance Characteristics of Rice Husk Biochar Modified Bitumen”, National Conference on Green

Technology and Sustainable Development (GTSD-2024), NIT Patna, Bihar, India during 30 to 31 May, 2024.

Anshuman Singh, Shalineer Shukla and Ajay Kumar Mandrawalia, “Subgrade Soil Stabilization Using Red Mud”, National Conference on Green Technology and Sustainable Development (GTSD-2024), NIT Patna, Bihar, India during 30 to 31 May, 2024.