

List of Publications (Journals)

1. Dixit, A., Mishra, A., **Singh, A.K***, Das, S.K. 2024. "Experimental and modelling studies for deformation characteristics of coal mines overburden soil under cyclic loadings in construction of haul roads". *International Journal of Geomechanics, ASCE*, 25(3); 06025001-11
2. Mishra, A., Dixit, A., **Singh, A.K***, Das, S.K. 2024. "Strength, deformation, and environmental impact assessment of cement stabilized mine overburden soil". *Journal of Cleaner Production*, 447; 141475. doi.org/10.1016/j.jclepro.2024.141475. (IF = 11.1)
3. **Singh, A.K.**, Sahoo, J.P. 2023. "Untrained cyclic loading response of subgrade soil subjected to varying moisture content and stress level." *International Journal of Geomechanics, ASCE*, 23(2); 04022284. <https://doi.org/10.1061/IJGNALGMENG-6536>. (IF = 3.918).
4. **Singh, A.K.**, Sahoo, J.P. 2022. "Experimental modelling for time dependent strength behaviour of lignosulfonate treated high plastic clay." *Journal of Materials in Civil Engineering, ASCE*, 34(7); 06022203. [https://doi.org/10.1061/\(ASCE\)MT.1943-5533.0004292](https://doi.org/10.1061/(ASCE)MT.1943-5533.0004292). (IF = 3.651)
5. Sahoo, J.P., **Singh, A.K.** 2022. "Prediction models for computation of deformations and interface stresses in a two layered pavement structure." *International Journal of Geomechanics, ASCE*, 22(1); 06021034. [https://doi.org/10.1061/\(ASCE\)GM.1943-5622.0002246](https://doi.org/10.1061/(ASCE)GM.1943-5622.0002246). (IF= 3.918).
6. **Singh, A.K.**, Sahoo, J.P. 2021. "Undrained cyclic response of lignosulfonate treated high plastic clay." *Soil Dynamics and Earthquake Engineering*. 150: 106943. (IF= 4.0).
7. **Singh A.K.**, Sahoo, J.P. 2021. "A study of the performance of Lignosulfonate treated high plastic clay under static and cyclic loading." *Bulletin of Engineering Geology and Environment*, 80: 8265-8278, DOI: 10.1007/s10064-021-02444-7. (IF= 4.130)
8. **Singh, A.K.**, Sahoo, J.P., 2021. "Rutting prediction models for flexible pavements: historical and recent developments." *Journal of Traffic and Transportation Engineering (English edition)*, 24(1); 23-46. <https://doi.org/10.1016/j.jtte.2021.04.003>. (IF= 7.9)
9. **Singh, A.K.**, Sahoo, J.P. 2020. "Analysis and design of two layered flexible pavement system: a new mechanistic approach." *Computers and Geotechnics*, 117: 103238.1-103238.11. <https://doi.org/10.1016/j.compgeo.2019.103238>. (IF= 5.30)
10. **Singh, A.K.**, Mittal, S. 2018. "Analysis and design of reinforced unpaved roads by modified structural number method." *International Journal of Geosynthetics and Ground Engineering*, 4(1): 1-8. <https://doi.org/10.1007/s40891-017-0115-5>. (IF= 2.9).

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