

Publication of Prof Sanjit Kumar Pal

IIT(ISM) Dhanbad

2026

1. Emmanuel Seraphimu Mrema, Amit Bera, **Sanjit Kumar Pal**, Feasibility of artificial recharge sites in the Makutupora Basin, Tanzania: A geospatial approach towards sustainable water management in a semi-arid region, *Journal of African Earth Sciences*, Volume 242, 2026, 106242, <https://doi.org/10.1016/j.jafrearsci.2026.106242>.
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3. Priyam, P., Kumar, R., Srivastava, S., **Pal, S K** and Shalivahan 2026 Combined Electrical Resistivity and Seismic Refraction Tomography Study for Basalt Stone Quarry in a Part of Rajmahal Trap, India. *Mining, Metallurgy & Exploration*. <https://doi.org/10.1007/s42461-026-01567-3>
4. Bera A, **Pal S.K.** 2026 Leveraging machine learning for the optimal selection of surface rainwater harvesting sites in semi-arid regions for sustainable water resource management
5. Bera A, Dutta L, Kumar R, Barua S, Sourav K.S., and **Pal S.K.** 2026. A holistic approach to basin-scale groundwater security assessment using SWAT, machine learning, and deep learning in semi-arid regions. *Journal of Water Process Engineering*, Volume 85, Year 2026. DOI:10.1016/j.jwpe.2026.109794

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9. Rajput A, Singh A P, **Pal S K**, and Singh P. 2024, Determining shallow S-Wave velocity structure and site response parameters in Gwalior basin, Central India, through microtremor measurements. <https://doi.org/10.1002/nsg.12328>. *Near Surface Geophysics* **Volume 23, Year 2025, Pages 49-68.** **Q3**
10. **Pal S.K.**, Maity Shubhankar, Bera A, Ghosh D, Kumar A 2024 Machine Learning-Driven Archaeological Site Prediction in the Central Part of Jharkhand, India Using Multi-parametric Geospatial Data. *Journal of Indian Society of Remote Sensing*, **Volume 53, Year 2025, Pages 259-276.** <https://doi.org/10.1007/s12524-024-01983-2>. **Q3**
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21. Yadav A, Kumar T, Tripathi A, **Pal S.K.**, Shalivahan 2024. Combined electrical resistivity tomography and high-resolution shallow seismic analysis for coal exploration in Talcher Coalfield, India. *Acta Geophys.* <https://doi.org/10.1007/s11600-024-01349-9>.
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