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[Appropriate solid waste dumping site selection for Patna City by using GIS-TOPSIS method](#)

S Sinha - *Journal of Earth System Science*, 2024

In this study, landfill site selection for Patna City is conducted through the integration of Geographic Information System (GIS) and Technique for Order of Preference by Similarity of Ideal Solution (TOPSIS) methods. A comprehensive analysis is performed using ArcGIS software 10.8. 2 and the raster calculator tool to create the ultimate suitability map by combining various layers with their assigned weights. GIS mapping highlights red zones as constraints (eg, agriculture, cantonment ...

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