

# Review of: "MCDA - Groundwater prediction analysis for Sustainable Development using GIS Supported AHP in Okeigbo, Southwestern Nigeria"

Darshan Mehta

Potential competing interests: No potential competing interests to declare.

1. Why author have selected Okeigbo Southwestern Nigeria for their study?
2. How many parameters author have considered for Groundwater prediction?
3. What are the limitations in your study
4. Highlight the novelty and innovativeness in your introduction section.
5. Any missing data?
6. Have you carried out the validation ?
7. Give citations wherever required
8. Add below mentioned references and cite them in the text:-

Patel, P., Mehta, D.J. & Sharma, N.D. A GIS-based DRASTIC Model for Assessing Groundwater Quality Vulnerability: Case Study of Surat and its Surroundings. *J Geol Soc India* **99**, 578–582 (2023). <https://doi.org/10.1007/s12594-023-2347-4>

Patel, P., Mehta, D., & Sharma, N. (2023). Assessment of groundwater vulnerability using the GIS approach-based GOD method in Surat district of Gujarat state, India. *Water Practice and Technology*, *18*(2), 285-294.

Mehta, D., Patel, P., Sharma, N. *et al.* Comparative analysis of DRASTIC and GOD model for groundwater vulnerability assessment. *Model. Earth Syst. Environ.* (2023). <https://doi.org/10.1007/s40808-023-01795-2>

Chaudhari, A. N., Mehta, D. J., & Sharma, D. N. D. (2021). An assessment of groundwater quality in South-West zone of Surat city. *Water Supply*, *21*(6), 3000-3010.

Chaudhari, A. N., Mehta, D. J., & Sharma, N. D. (2022). Coupled effect of seawater intrusion on groundwater quality: study of South-West zone of Surat city. *Water Supply*, *22*(2), 1716-1734.

Surati, M. H., Prajapati, K. J., Parmar, U. K., & Mehta, D. J. (2022). Assessment of Water Quality Index of Tapi River: A Case Study of Surat City. In *Groundwater and Water Quality: Hydraulics, Water Resources and Coastal Engineering*(pp. 263-277). Cham: Springer International Publishing.