

## LINEAR GEOSTATISTICAL MODELS FOR ESTIMATING GROUNDWATER QUALITY VARIABLES

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### ABSTRACT

*Geostatistics provides set of probabilistic techniques, which are useful to detect and find the mode of patterns of spatial dependence of attribute values in space, and further use these models for the assessment of uncertainty about unknown values at locations not sampled. In this paper, an analysis of geostatistical methods is presented, including a discussion of possible application and limitations for regional groundwater quality, and its application to mapping problems.*

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*Reference: Verma, G.L., H.S. Bhatia and D. Katyal; Linear Geostatistical Models for Estimating Groundwater Quality Variables, Journal of Environmental Hydrology, Vol. 11, Paper 6, June 2003.*

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