Application of the Artificial Neural Network and Neuro-fuzzy System for Assessment of Groundwater Quality

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Article first published online: 28 JUL 2014
DOI: 10.1002/clen.201400267
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How to Cite | Author Information | Publication History | Funding Information

Abstract

Keywords:
ANFIS; Hydrologic analyses; Modeling; Monitoring; Water resources systems

One of the most important aspects of the evaluation of any aquatic system is the simulation of water quality parameters. Recently, artificial intelligence methods have been broadly applied to simulate hydrological processes. This study evaluates the potential of applying the neuro-fuzzy system and neural network to simulate total dissolved solid and electrical conductivity levels, by employing the values of other existing...