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Experimental and Numerical Simulation of Groundwater Flow and Solute Transport

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Message from the Guest Editor

With continuous population growth and the rapid development of industry and agriculture, the demand for groundwater is increasing day by day. In recent years, studies on simulation of seepage and solute transport have mainly involved hydraulic engineering, petroleum engineering, mining engineering, deep storage of nuclear waste, tunnel engineering, etc. Some environmental problems closely related to human life, such as seawater intrusion, oil pipeline leakage, chemical plant leakage, etc., are strongly tied to groundwater flow and contaminant migration. Therefore, it is very important to study the transportation of groundwater flow and solutes via experimental and numerical simulation. The research results can provide scientific basis for management and decision-making departments.



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