

Special Issue

Study of Fluid Flows and Solute Transport in Groundwater

Message from the Guest Editor

Groundwater flow and solute transport are the most basic and continuously studied topics in groundwater research. Groundwater depletion and deterioration of groundwater quality are increasing worldwide, further emphasizing the need for groundwater conservation. Nuclides and toxic chemicals can cause significant environmental problems even at very low concentrations. Due to these problems, a detailed analysis of the exact range of groundwater contamination and the path and speed of the contaminant movement is required at the actual site. Nevertheless, the characterization of aquifers composed of porous and fractured media is difficult, and solutes also exhibit complex nature due to the reactive transport phenomenon. This Special Issue addresses various aspects of groundwater flow and solute transport, which are complex and difficult due to the various factors mentioned above. We welcome not only theoretical research but also analysis based on various measurement data acquired in the field.

Guest Editor

Prof. Dr. Kang-Kun Lee

School of Earth and Environmental Sciences, Seoul National University, Seoul, Korea

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Water

Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

water@mdpi.com

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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