Special Issue

Fluid Flow and Transport in Porous and Fractured Media

Message from the Guest Editors

Fluid flow and transport in porous and fractured media are of special importance in applications of many projects in geosciences and geoengineering, such as CO2 sequestration, enhanced oil recovery, groundwater use, geothermal energy development, risk assessment of water inrush in karst tunnels and coal mines, and design and risk assessment of nuclear waste disposal and undergound crude-oil-storage facilities. The porous media has a large amount of volume, while the fractured media occupies a small amount of volume. However, the fractured media is more permeable than the porous media. Thus, the fluid flow and transport mainly occur within the fractured media, while the porous media stores the fluids. Therefore, it is necessary to clearly understand the fluid flow and transport behaviors of fluids in porous and fractured media. This Special Issue of *Water* calls for papers presenting recent advances in **fluid flow and transport in porous and fractured media** on the following topics:

- Fluid flow in porous media.
- Fluid flow in fractured media.
- Transport in porous media.
- Transport in fractured media.
- Fluid flow in porous-fractured media.
- Transport in porous-fractured media.

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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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