Special Issue

Heterogeneous Aquifer Modeling: Closing the Gap

Message from the Guest Editor

Aquifer heterogeneity has been a major topic of research in the last few decades, with many theoretical analyses on how to characterize it, about its impact on flow and transport modeling, on its impact in prediction uncertainty, or on how to use inverse approaches to improve heterogeneous models; however, there is still a large gap between theoretical findings and practical applications. This Special Issue seeks papers proposing or demonstrating readily-applicable approaches to treat heterogeneity in real practice. Successful case studies proving the importance of taking heterogeneity into account are welcome.

- stochastic groundwater modeling
- geostatistics
- inverse modeling
- uncertainty
- spatial variability
- upscaling
- groundwater flow and mass transport modeling

Guest Editor

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Deadline for manuscript submissions

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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

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