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Modelling Contaminant Transport and Natural Groundwater Quality

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Message from the Guest Editors

The last decades have also provided new methods for characterising subsurface properties and heterogeneity. Hence, subsurface heterogeneity can more easily be implemented in standard groundwater modelling software, that together with parameter estimation tools provide more realistic pictures of transport in groundwater systems.

Despite technical advancements in groundwater flow modelling capabilities, the complexity of bio-geochemical reactions often leads to a simplification of flow to steady state situation. However transient boundary conditions, combined with highly heterogeneous subsurface may be of paramount importance to solute transport and the pattern of contaminant transport, reactions, storage and the final composition of the water released at the discharge zone.

This special issue invites examples of groundwater models applied to real contaminant situations.



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Special Issue



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Message from the Editor-in-Chief

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