Special Issue

Colloid and Pathogen Transport in Groundwater

Message from the Guest Editors

For the past three decades, suspended colloids (of which nanomaterials are a subset) and pathogens in subsurface environments have been linked to groundwater contamination. It is known that the persistence, dispersal, long-term transport, and the fate of colloids/pathogens are dependent on regional and local geology and hydrology, electrochemical properties of the colloid/pathogen and the soil, the chemistry of the groundwater, land use and management, and the distribution of potential sources of colloids/pathogens. All these factors considered together, in turn, make it exceptionally challenging to accurately predict colloid and pathogen transport in real groundwater systems. This Special Issue calls critical attention to studies that further our understanding of this multidimensional problem.

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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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