

Special Issue

Pharmaceutical Compounds, as Emerging Organic Contaminants, and Their Occurrence and Transport in Groundwater: Sources, Reactions and Fate

Message from the Guest Editors

Emerging Organic Contaminants (EOCs), also presently named Contaminants of Emerging Concern. Among them, pharmaceutical compounds (PhCs), including antibiotics, are a hazard due to their occurrence in groundwater, as well as for their effects on the subsurface microbial resistome.

In this Special Issue, we look forward editing a group of significant papers that provide a rigorous insight to the stated problems: the regional occurrence of PhCs in groundwater, the characterization of the PhCs input sources and their effects, the details on the transport processes and, especially, on their physico-chemical behavior concerning sorption and degradation parameters and mechanisms that would eventually allow simulating their fate in the subsurface. Finally, papers dealing on how to efficiently characterize the groundwater chemical status associated to these emerging pollutants at a regional level will contribute to translate hydrogeological knowledge to stakeholders and managers. Contributions that provide a comprehensive, integrated perspective of many of the mentioned issues are especially welcome.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2021)



Water

an Open Access Journal
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Impact Factor 3.0
CiteScore 6.7



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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

Dr. Jean-Luc PROBST

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