

Special Issue

Efficiency of Bank Filtration and Post-Treatment

Message from the Guest Editors

Bank filtration (BF) schemes for the production of drinking water are increasingly challenged by new constituents of concern, such as organic micropollutants and pathogens in the source water and hydrological flow variations due to weather extremes. BF and new technology components are integrated and monitoring and operating regimes are adopted to further optimise water treatment in BF schemes for these new requirements. The special issue will present first results from the EU-project AquaNES “Demonstrating synergies in combined natural and engineered processes for water treatment systems”. Papers are invited covering the efficiency of BF and post-treatment, advantages and limitations of combining natural and engineered processes or parameter-specific assessment of removal rates during BF and further treatment. Additionally, contributions from Asia and Africa are invited dealing with feasibility, design or operation of BF schemes under specific site conditions. Papers dealing with energy efficiency and cost evaluation of BF are also welcome.

Guest Editors

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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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