Efficiency of Bank Filtration and Post-Treatment

Message from the Guest Editors

Dear Colleagues,

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.

Prof. Dr. Thomas Grischek
Prof. Dr. Chittaranjan Ray
Guest Editors
Message from the Editor-in-Chief

The relevance of water in human development and sustaining life, fuels general and scholarly interest in the world’s water resources. A better understanding of all aspects of water and its relation to food supply, energy production, human health, and the functioning of ecosystems is key in managing this precious resource in a sustainable, efficient and equitable manner. Water invites authors to provide innovative original full articles, critical reviews and timely short communications. We ensure a critical review process and a quick turnaround between submission and final decision.

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