Special Issue

Modelling Approach to Wastewater Membrane Filtration Processes

Message from the Guest Editors

Among current challenges in wastewater treatment, the use of membrane technologies is becoming increasingly common for biological, tertiary, or recovering treatments, offering advantages such as compactness, flexibility, and ability to operate reliably under remote control at low energy consumption. However, their major drawback in working with wastewater is membrane fouling. For this Special Issue, papers on modelling approaches to wastewater membrane filtration processes are welcome. Both empirical and theoretical models as well as artificial neural networks, computer fluid dynamics, genetic algorithms, etc. are welcome. The aim is to publish research that contributes to the knowledge of membrane separation processes through modelling.

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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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