Special Issue

Ultrafiltration Membranes in Water Treatment

Message from the Guest Editor

The Special Journal Issue on Ultrafiltration Membranes in Water Treatment addresses a rapidly growing area of water treatmet technology. Ultrafiltration membranes are used to separate small particles and disolved solutes based on size. The utilization of UF water treatment is used for feed pretreatment prior to desalination, wastewater treatment, and it is entrenched in the chemical and pharmaceutical industries, as well as in food and beverage processing. Topics of interest for this Special Issue include but are not limited to predictive modeling of UF separations performance, novel approaches to synthesis of robust (and chemically resistant) UF membranes, UF membranes that overcome the selectivity–permeability tradeoff, low fouling UF membranes, self-adaptive operation of UF membranes, advanced coagulant dosing strategies, surface modification of UF membranes, module design, and tunning of UF membrane performance. [...]
For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/Ultrafiltration_Membranes

Guest Editor

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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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