Special Issue

Novel Membrane Processes for Water Treatment

Message from the Guest Editors

This Special Issue is devoted to evaluating the viability of applying novel membrane processes to water treatment. Examples of innovative membrane processes include, but are not limited to, membrane contactors (membrane distillation, osmotic membrane distillation, etc.) and forward osmosis, among others. These technologies have been developed recently and are of growing interest in water production and wastewater treatment. Indeed, research papers on novel membrane technologies are growing exponentially due to their enormous potential: an increasing tendency has been observed over the past five years. New emergent membrane processes have promising advantages compared to conventional membrane technologies, such as low energy requirements as they operate without pressure, low chemical consumption as membrane fouling is low, and the simultaneous production of a high-quality water stream and another highly concentrated stream of invaluable products. Recent studies have reported very high separation efficiencies in different applications. However, further studies are needed to cope with detected problems in the complex characteristics of the treated streams.

Guest Editors

Dr. María Cinta Vincent-Vela

Prof. Dr. Silvia Álvarez Blanco

Dr. Magdalena Cifuentes Cabezas

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Water
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
water@mdpi.com

mdpi.com/journal/water

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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
Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

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