Special Issue

Advanced Technologies for Seawater Desalination

Message from the Guest Editors

Due to the increased impacts of climate change worldwide, water as a resource is becoming scarcer in several parts of the world. The dependence on non-conventional water sources such as desalinated seawater has become essential to maintain life in large areas of the planet. The surge in desalination has increased worldwide to a total number of 6000 operational desalination plants located across 177 countries. This Special Issue targets high quality papers focusing on recent advances in desalination. The scope covers non-conventional and novel techniques for desalination including pre- and post-treatment. Examples of technologies include: electrodialysis and biodesalination among others. In this Special Issue entitled "Advances in Water Desalination", authors have the opportunity to publish papers on their contributions to desalination technology. Manuscripts are welcome in the following areas.

- Pre- and post-treatment;
- Innovative and non-conventional desalination technologies;
- Brine management;
- Hybrid systems for desalination;
- Innovative processes in thermal- and membrane-based desalination;
- Emerging environmental impacts of desalination plants

Guest Editors

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Deadline for manuscript submissions

closed (15 April 2022)

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About the Journal

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

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