Special Issue

Sustainable Future: Renewable Energy in Water and Wastewater Treatment

Message from the Guest Editor

Water and waste-water treatment typically consume a significant percentage of national energy supplies, with corresponding impacts on carbon emissions and climate change. Energy usually constitutes a major operating cost of water service providers. For some arid countries, seawater desalination may represent the most energy-intensive industrial sector. The use of sustainable energy to power treatment processes is an attractive alternative to fossil fuels, but there are barriers to the penetration of renewables, such as wind and solar. To meet increasing water demands, there is an ever-growing need to enhance the energy efficiency of water treatment, and to improve the overall effectiveness of water-energy systems as a whole. Reflecting the growing variety and ambition of research activities in this theme, this Special Issue will welcome contributions in areas including (but not restricted to): Novel processes for harnessing renewable energy in water and wastewater treatment;[...] For further reading, please follow the link to the Special Issue Website at: http://www.mdpi.com/journal/water/special_issues/Renewable_Energy_Wastewater_Treatment

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Deadline for manuscript submissions

closed (15 May 2019)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/16079

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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

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