Special Issue

Advanced Technologies for Centralized Water and Wastewater Treatment

Message from the Guest Editors

Currently, about 55% of the world's population lives in urban areas or cities, and this figure is expected to rise to 70% in the coming decades. This high density of human activity warrants the need for large, centralized facilities for water and wastewater treatment, in order to take maximum advantage of economies of scale. Aging infrastructure, population growth, and climate change are major drivers forcing municipalities to upgrade, expand, or replace existing centralized water and wastewater treatment facilities with smaller energy, carbon, and water footprints. In addition, increasingly, wastewater treatment facilities are required to recover resources such as nutrient, energy, organics, and metals from wastewater. This Special Issue is focused on bringing together innovative developments, technologies, and solutions in the field of centralized water and wastewater treatment.

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Deadline for manuscript submissions

closed (31 January 2021)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/43101

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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