Special Issue

Energy and Water Integration System

Message from the Guest Editors

The main priorities of the research are as follows (but are not limited to):

- Proposing high efficiency and cost-effective water treatment methods;
- Employing various renewable energies (in solo or hybrid form) with high energy conversion efficiency and low operating and investment cost instead of conventional fossil fuels;
- Investigating practical solutions for desalinating seawater for the main chain of the processing units;
- Applications of total site utility concepts for polygeneration of water and energy;
- Applying constructal theory concepts to build more resilient and high efficiency EWI systems;
- Proposing policies to further remove the existing obstacles for EWI and institutional arrangements for water-energy nexus decision-making;
- Recommending novel and practical solutions for environmental monitoring techniques;
- Using new or modified optimization techniques for highly constrained EWI systems based on mixedinteger linear programming (MILP) techniques;
- Regulations and standards needed for water–energy management:
- Planning of water-energy management strategies.

Guest Editors

Prof. Dr. Majid Amidpour

Prof. Dr. Catalina Spataru

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Deadline for manuscript submissions

closed (30 October 2021)



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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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