Special Issue

Energy Recovery in Water and Wastewater Treatment

Message from the Guest Editor

The Special Issue coverage includes, but is not limited to, the following research topics:

- Energy (methane, hydrogen, biofuel, electricity, etc.) and resource recovery (nutrients, heavy metals, biochar, etc.) from wastewater through biological, physico-chemical, electrochemical, bio-electrochemical, and thermal-based methodologies
- Advanced oxidation processes for wastewater treatment
- Bioelectrochemical systems such as Microbial fuel cell and microbial electrolysis cell technologies for simultaneous production of electricity and treatment of wastewater
- Methane recovery from wastewater treatment (anaerobic digestion of wastewater and wastewater sludge)
- Biohydrogen and biofuel production from wastewater
- Hydrogen production from water and wastewater through chemical, photochemical, electrochemical techniques
- Thermochemical conversion of wastewater sludge (Pyrolysis, gasification, hydrothermal liquefaction, supercritical methods) for bio-oil and biochar recovery
- Membrane-based treatment processes

Guest Editor

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Deadline for manuscript submissions

closed (30 August 2022)

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About the Journal

Message from the Editor-in-Chief

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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