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Water and Wastewater Treatment- Energy Efficiency

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Deadline for manuscript submissions:

closed (30 September 2022)

Message from the Guest Editors

Dear Colleagues,

Wastewater treatment involves several processes. Among those processes, some techniques consume a significant amount of energy, which obviously increases the operational cost of the industry. Wastewater treatment plants have become large, complex facilities that require considerable amounts of energy for their operation.

Based on this scenario, this Special Issue will have an interdisciplinary focus, including wastewater treatment techniques, the revalorization of agro-food industries, materials, biological treatment, chemical engineering and the energy and environmental engineering areas, with the aim to publish high-quality research papers as well as review articles addressing recent advances in energy efficiency considerations in wastewater treatment processes.

Potential topics include but are not limited to:

- Increasing energy efficiency of techniques in wastewater treatment methods;
- Recovery and re-use of wastes;
- Materials: novel nanoparticles and advanced materials;
- Electro-coagulation, assessment of beneficial effects of energy involved treatment methods such as photocatalysis;
- Anaerobic digestion, photocatalytic membrane treatment.



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Special Issue



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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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