

## Special Issue

# Waste Water Treatment and Energy Recovery: Opportunities and Challenges

### Message from the Guest Editors

Energy efficiency in the water and wastewater industry has become increasingly important in recent years, as wastewater treatment plants are responsible for nearly 35% of the energy consumption of all municipal facilities. The optimal operation of wastewater treatment plants requires the provision of electricity, the costs generated translate into the price of collecting and treating wastewater. Therefore, it is justified to optimize the wastewater treatment processes technically and economically by reducing the electricity consumption rates. It is necessary—apart from the rationalization of consumption—to look for other methods of obtaining energy. Wastewater and sewage sludge are good materials for anaerobic digestion processes, heat recovery and hydropower.

All researchers working in the field are invited to contribute original research papers or reviews to this Special Issue of *Energies*, the scope of this Issue includes disintegration, anaerobic digestion, biogas, biohydrogen, bioenergy recovery from wastewater produced by hydrothermal processing biomass, circular economy, and energy recovery from wastewater and sewage sludge.

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### Guest Editors

Prof. Dr. Sylwia Myszograj  
Dr. Ewelina Płuciennik-Koropczuk  
Dr. Piotr Ziembicki

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### Deadline for manuscript submissions

closed (18 October 2023)



## Energies

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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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### Editor-in-Chief

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