

Special Issue

Wastewater and Bioelectricity Generation

Message from the Guest Editors

The present Special Issue deals with wastes, reduction, and their potential use as substrates to transform chemical energy into electrical energy. The main purpose is to promote measurements to implement a more sustainable circular economy and reduce the carbon footprint. Moreover, the 2030 Agenda for Sustainable Development aims to protect the environment and, particularly, goals 6 and 7 aim at the need to accelerate sustainable electricity production technologies. There is an increasing concern about the role of both producers and customers in the role of generation and disposal of wastes, going from a delegated responsibility to a shared responsibility, which affects the commitment of the producers and generates a chain of responsibility that tries to minimize the waste produced by converting it into valuable products. In particular, the topics of interest in this Special Issue include (but are not limited to):

- Recent advances in the treatment of wastes and energy production;
- Microbial fuel cells for sustainable energy production;
- Waste-to-bioenergy processes;
- Additive manufacturing for wastewater and bioelectricity generation.

Guest Editors

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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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