Special Issue

Bioenergy and Bioresources Recovery in Urban/Industrial Wastewater Treatment

Message from the Guest Editor

Wastewater from urban and industrial sources contains relevant amounts of embedded energy and resources. Their recovery can contribute to the decarbonization of wastewater treatment facilities and to the creation of virtuous wastewater-cycle-related Circular Economy patterns. Traditionally, wastewater treatment focused on environmental and public health safeguarding; however. in recent years, treatment facilities have been extensively improved to promote improved bioenergy and bioresources recovery and the reduction of greenhouse emissions, as well as to reduce their environmental footprint. New process technology, integrated by bio-refinery concepts, has the potential to completely transform the nature of wastewater treatment facilities into biofactories of recovered resources. The purpose of this Special Issue is to provide insights into advanced technologies and processes aiming at this transformation, and to illustrate state-of-the-art application examples.

Guest Editor

Prof. Dr. Andrea G. Capodaglio

Department of Civil Engineering and Architecture, University of Pavia, 27100 Pavia, Italy

Deadline for manuscript submissions

closed (18 October 2023)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/153726

Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



About the Journal

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

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

