

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

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