Special Issue

Resource Recovery from Wastewater

Message from the Guest Editors

The circular economy implies concepts like re-source, re-make and re-think, which are all focused on creating new value to what we consider as waste today. Wastewater is an enormous source of organic and inorganic components. The use of this source as a feedstock in full-scale plants is a current paradigm of the circular economy in wastewater management. These plants must be viewed as biorefineries instead of merely “decontamination” plants; thus, the concept may enter into the productive system. This in turn would reduce operative costs and may increase the price of the products that can be sourced from wastewater, increasing their competitiveness. Organics, inorganics and chlorine-based disinfectants can be a source to feed the chemical, petrochemical, pharmaceutical, food, and agriculture industries, among others.This Special Issue is focused on all the technologies that can be capable of resource recovery from any kind of wastewater source. Special emphasis is devoted to those technologies that are currently at a high technological readiness level, thereby including their real applicability through techno-economic analysis and life cycle analysis.

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