

Special Issue

Application of Microorganisms in Wastewater Treatment

Message from the Guest Editors

Wastewaters are generated from many different sources and represent thousands of tons of organic matter. Wastewater treatment is a biological process used to remove contaminants from wastewater or sewage and convert it into an effluent that can be returned to the water cycle with minimum impact on the environment, or directly reused. Microorganisms and their enzymes for waste, wastewater treatment, and bioremediation play an important role in these processes. Different microbial communities can consume various complex organic compounds and decompose them in their metabolism. Thus, the application of different groups of microorganisms and increasing their metabolic activity for detoxification of water from different pollutants, of both organic and non-organic nature, is a pressing problem at present. The main goal of this Special Issue is to collect manuscripts focused on the microbial application in wastewater treatment, main chemical compounds present in wastewater, and their effect on microbial respiration activity of sewage sludge, aerobically degradation or utilized by a sewage sludge bacterial consortium.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2021)



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