Special Issue

Novel Approaches for Wastewater Treatment

Message from the Guest Editors

It is well known that drinking water safety is essential to human health. However, as reported, there are increasingly various contaminants, including organic and inorganic ones, in water environments. Furthermore, unfortunately, the pollutant degradation efficiency of traditional waste water treatment plants (WWTPs) is generally unsatisfactory. Additionally, although some technologies may effectively remove pollutants, they increase the risk of formation of disinfection byproducts (DBPs). Therefore, studies on novel and green approaches for wastewater treatment are challenging and urgent. This Special Issue aims to address the topics of advanced oxidation/reduction processes, membrane separation technologies, removal of pharmaceutical and personal care products (PPCPs), control of DBPs, and bacteria inactivation.

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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