

Special Issue

Catalytic Wastewater Treatment

Message from the Guest Editors

An ample amount of wastewater is daily produced due to anthropogenic activities all around the world. As it is known, a variety of persistent pollutants are included in wastewater and it is very difficult to treat them with conventional wastewater treatment processes appropriately. Therefore, advanced oxidation processes (AOPs) are extensively studied and employed. As an AOP, catalytic wastewater treatment has gained much attention, since recalcitrant contaminants are effectively decomposed in wastewater by accelerating oxidation reactions with catalysts in the treatment processes. In the presence of catalysts, reactive species, which can readily attack and destroy recalcitrant contaminants, can be effectively generated in the processes. As a consequence, we will focus this Special Issue on the current stage of catalytic treatment technologies for effectively removing different persistent and emerging contaminants pollutants in wastewater, including PFAS.

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