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Innovative Materials for Wastewater Treatment

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Deadline for manuscript submissions:
closed (20 November 2023)

Message from the Guest Editors

Dear Colleagues,

Owing to the complexity of pollutants in industrial and domestic wastewaters, there is a quest to revisit the conventional materials so far used for the removal of these pollutants from solutions.

This Research Topic highlights the new research work on the development of visible light responsive photocatalytic hybrid nanomaterials using various approaches, such as metal and/or non-metal doping, co-doping, coupling of semiconductors, composites and heterojunctions materials synthesis and explored their application in wastewater treatment. Also highlighted here are the new research work on new approaches of synthesizing, characterizing, and modifying nanomaterials for removal of emerging contaminants from wastewater. Manuscripts on the structural aspects of hybrid nanocomposite Photocatalysts, nanostructure formation process, parameters affecting photocatalytic activity, photocatalytic mechanisms, and photocatalytic applications for the efficient degradation of pollutants in water/air are also welcome.

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Message from the Editor-in-Chief

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