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Hybrid Materials and Their Uses in Water Treatment, Desalination and Reuse

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Message from the Guest Editors

The main topic of this Special Issue (SI) will be investigating novel hybrid materials, with a focus on their application in water and wastewater treatment. An essential study track that is urged to be included in this SI is the assessment of the chemical, physical, and morphological properties of hybrid materials and their optimization using various research instruments, as well as the feasibility and efficiency of suggested solutions.

Potential topics include, but are not limited to:

Advanced wastewater technologies. Combined processes for water treatment and purification. Nanomaterials and catalysts. Adsorbents coupled with catalysts. Adsorption and photocatalysis. Degradation and reduction of organic and inorganic pollutants. Organic/Inorganic materials. Coagulation, Flocculation, Fenton, Plasma and Ozonation. Water treatment and desalination.

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Special Issue