Special Issue

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

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.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2022)

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Message from the Editor-in-Chief

ChemEngineering is to consolidate its position as a high-quality, open access journal that not only disseminates excellent research but also sets the agenda for future directions in chemical engineering. We will continue to highlight core areas such as catalysis, process intensification, and the circular economy, while also opening the door to emerging topics such as multi-energy systems that integrate light, heat, and electricity, etc., as well as digital tools, modelling, and artificial intelligence applied to chemical engineering.

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