



Polymeric Materials for Water Management

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Message from the Guest Editor

Water scarcity creates the need for the development of sustainable materials and cost-effective technologies for water management processes. To this aim, one of the emerging routes of recent years is harvesting natural sunlight as a viable source of energy to drive water management processes. The recently-developed functional materials are able to perform advanced oxidation processes for water cleaning, water–crude oil separation, water disinfection, and desalination processes, among others, driven by the energy offered by the sun.

This Special Issue will focus on polymeric-based materials and materials deriving from the processing of polymeric systems (such as carbonization) that can efficiently harvest the energy of natural sunlight in order to perform water management processes, such as removal of organic and inorganic pollutants, disinfection, and desalination in an energy-efficient and sustainable way.





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Message from the Editor-in-Chief

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