



water

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Application of Catalysis in Wastewater Treatment

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The growing demand for clean water and the increasing contamination of water resources by toxic contaminants have motivated innovations in water and wastewater treatment and environmental remediation areas for the removal of recalcitrant contaminants. Some biological, chemical and physical techniques are used to acquire high-quality effluents in wastewater treatment. Nevertheless, these techniques have some restrictions related to the treatment efficiency, inactivation by toxic pollutants, high energy and cost requirements, production of secondary sludge, etc. Catalytic treatment of polluted water is considered a promising alternative for the removal of aqueous organic contaminants. Heterogeneous catalytic technologies involving the production of different reactive species have recently emerged with capabilities to convert organic contaminants in aqueous media. [...]

For further reading, please follow the link to the Special Issue Website at:

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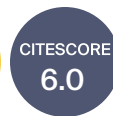


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Special Issue



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Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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