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New Insights in Catalytic Technology for the Treatment of Emerging Contaminants in Water

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

The presence of emerging contaminants (ECs) in water bodies poses an increasing threat to the environment and public health. This Special Issue aims to provide an overview of recent research related to this field of interest, including the latest applications of catalytic technology for the treatment of emerging contaminants in water. Research areas may include (but are not limited to) the following areas:

- Fenton-like Catalysis Technology: Through the action of transition metals (such as iron, copper, cobalt, etc.), strong oxidizing radicals are generated to degrade organic pollutants.
- Photocatalysis Technology: Utilizes light energy to excite semiconductor materials to generate electron-hole pairs, thereby initiating a series of redox reactions to decompose organic pollutants.
- Electrocatalysis Technology: Promotes catalytic reactions through the application of an external electric field. Additionally, electrocatalysis technology can be combined with other treatment methods to achieve synergistic effects. [...]

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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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