



water

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Occurrence of Pharmaceuticals in Water and Their Removal Technologies

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Message from the Guest Editors

Dear Colleagues,

Knowledge on the occurrence of pharmaceuticals in the water cycle and on their fingerprints across the world is crucial to obtain a global perspective of the problem, and thus prioritize solutions. To tackle the problem, cutting-edge and effective treatment approaches need to be implemented prior to the discharge or reuse of waters contaminated with pharmaceuticals.

This Special Issue will focus on original articles or review articles addressing the following topics (however, this list is by no means exhaustive):

- The occurrence of pharmaceuticals in aquatic matrices (wastewater, surface/ground water, and drinking water): antineoplastic drugs; immunosuppressants; antibiotics; antifungals; antivirals; nonsteroidal anti-inflammatory drugs; anticonvulsants; β -blockers, etc.
- Wastewater treatment: advanced oxidation technologies (AOTs such as UV-based technologies (e.g., UV/H₂O₂, UV/Cl); Fenton and photo-Fenton processes; TiO₂ photocatalysis; ozone-based processes; etc.); membrane separation; biological treatments; adsorption; coupling technologies; and advances in materials, catalysts, and methods of AOTs for water treatment.



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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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