

Removal of Pharmaceuticals from Water: Conventional and Alternative Treatments

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Message from the Guest Editors

Water pollution is a major global problem. Pollution caused by emerging contaminants (ECs) has been in the spotlight of the scientific community during the last few decades. Among ECs, pharmaceuticals represent an especially worrying class because they are biologically active and their presence in the aquatic environment may cause physiological effects in non-target individuals. Within the global aim on water protection, it is necessary to find out efficient and sustainable ways to remove pharmaceuticals from water.

Submissions of original research or review papers on the removal of medicines from water, either drinking or waste water, by conventional or alternative treatments are welcomed. Subject areas may include, but are not limited to: Activated sludge treatments; Oxidation and advanced oxidation processes; Membrane processes; Adsorption onto activated carbon or alternative adsorbents; Advanced (nano)materials; Bioremediation; Natural treatment systems (wetlands, stabilization ponds, etc.); Generation of transformation products during water treatment; Evaluation of the removal efficiency in percent or toxicity terms; Novel strategies for efficiency enhancement and so on.





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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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