



## Urban and Industrial Wastewater Disinfection and Decontamination by Advanced Oxidation Processes (AOPs): Current Issues and Future Trends

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### Message from the Guest Editors

Dear Colleagues,

The necessity for proper wastewater (WW) treatment calls for novel, sophisticated methods of decontamination prior to its discharge or reuse. Emerging threats such as antibiotic-resistant bacteria (ARB) and the contaminants of emerging concern (chemicals, microplastics) demand efficient, end-of-pipe solutions before their discharge in the environment or reclamation for reuse purposes. As such, advanced oxidation processes (AOPs) have been procured as effective methods for WW disinfection and decontamination.

In the face of the challenges of modern WW treatment and WWTP operation, this Special Issue is devoted to a wholistic approach towards WWTP matters, focusing to the use of AOPs as an effective solution of pre-treatment or a polishing step for urban or industrial WW effluents. [...]

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

[https://www.mdpi.com/journal/water/special\\_issues/Disinfection\\_Decontamination](https://www.mdpi.com/journal/water/special_issues/Disinfection_Decontamination)





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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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