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Advanced Technologies to Remove Toxic Compounds in Wastewater

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Message from the Guest Editor

Wastewater contains numerous pollutants that typically cannot be removed by conventional treatment methods. This is intensified by the fact that continuous and prolonged discharges often take place, producing chronic toxicity. The toxicity of wastewater is due to the presence of both the macro-contaminants—namely the high content of dissolved organic matter or the nitrogen pollution—and micro-pollutants—such as heavy metals, micro and nano-plastics and emerging contaminants. The complex chemical composition of wastewater necessitates the implementation of combined and new technologies to achieve efficient removal of their toxicity and the development of a valuable toxicity assessment index. The aim of this Special Issue is to provide updated and specialized information about the efficacy of advanced technologies which are valuable in the removal of wastewater toxicity to upgrade the efficiency of conventional wastewater treatments. It is hoped that this Special Issue will encourage the establishment of discussion forums to analyze in depth the importance of pollutants and optimal means of achieving high-quality water for reuse.



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Special Issue



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Message from the Editor-in-Chief

Toxics (ISSN 2305-6304) is an international, peer-reviewed, open access journal which provides an advanced forum for studies related to all aspects of toxic chemicals and materials. We aim to publish high quality work that furthers our understanding of the exposure, effects, and risks of chemicals and materials in humans and the natural environment as well as approaches to assess and/or manage the toxicological and ecotoxicological risks of chemicals and materials. Please consider publishing in *Toxics* when preparing your next paper.

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