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Photocatalytic Degradation of Pharmaceuticals in Water

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Deadline for manuscript submissions:
closed (31 July 2022)

Message from the Guest Editors

One of the negative effects of civilization's development is an increase in the number of pharmaceuticals entering the environment. Many of these substances are characterized by high persistence and resistance to degradation in the environment, high biological activity (toxicity, mutagenicity, and ecotoxicity).

After entering the environment, residues of drugs or metabolites can affect various types of environmental organisms. Due to these features, pharmaceuticals contained in waste and sewage are considered particularly dangerous pollutants.

The effect of complete elimination of anthropogenic pharmaceuticals from the environment can be achieved using destructive methods, for example, photocatalytic degradation.

However, despite the repeatedly verified, theoretically high efficiency, there are still many problems that inhibit the practical application of photocatalysis in wastewater treatment processes.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the use of photocatalytic processes to remove pharmaceuticals residues from the aqueous environment.

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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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Journal Rank: JCR - Q1 (Toxicology) / CiteScore - Q2 (*Chemical Health and Safety*)

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