

Special Issue

Photocatalytic Applications in Wastewater Treatment

Message from the Guest Editors

Wastewater treatment is a critical aspect of sustainable development and environmental protection. However, traditional wastewater treatment methods have some limitations, such as a high energy consumption, the generation of secondary pollutants, and limited efficiency. Photocatalysis has emerged as a promising technology for the treatment of wastewater, owing to its sustainable and cost-effective approach to removing organic pollutants from wastewater.

This Special Issue aims to gather the latest research, innovations, and advances in photocatalytic processes for the treatment of wastewater contaminated with various types of pollutants. We welcome the submission of papers that attend to various topics of interest, including the methods employed to synthesize novel photocatalysts, the advanced techniques used to characterize photocatalysts, the mechanisms involved in the photocatalytic degradation of organic pollutants, the optimization of photocatalytic systems for wastewater treatment, the integration of photocatalysis with other treatment processes, and the environmental and economic impacts of photocatalytic wastewater treatment.

Guest Editors

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Deadline for manuscript submissions

closed (30 July 2024)



Environments

an Open Access Journal
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Impact Factor 3.7
CiteScore 5.7



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About the Journal

Message from the Editor-in-Chief

Environmental issues are quickly becoming central political, economic and academic topics of the twenty-first century. A large number of modern challenges are directly or indirectly caused by complex interactions between environmental issues. Such issues require interdisciplinary research, knowledge and insights to understand and, ultimately, for solutions to be found. Through the journal *Environments*, we strive to create a platform for meaningful discourse by accepting contributions from a wide range of fields. We sincerely hope you will consider publishing your distinguished work in this highly-accessible, peer-reviewed journal.

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