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Photocatalytic Degradation of Organic Wastes

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Deadline for manuscript submissions:
closed (31 May 2023)

Message from the Guest Editor

Dear Colleagues,

Since 1911, when brought to scientific knowledge, the photocatalysis followed a difficult and challenging road to become a sustainable and ecofriendly technology. Nowadays, the light energy can be successfully used to decompose complex, low biodegradable or recalcitrant pollutants for the benefit of the environment. Furthermore, the chemical energy stored in the organic wastes can be converted into electricity and hydrogen during the photodegradation process.

Thus, this Special Issue will focus on innovative and recent developments of engineered-photocatalysts of different scale, photocatalyst doping agents/cocatalysts, photocatalyst immobilization/support materials, photocatalytic reactors/photocatalytic fuel cells, related to "Photocatalytic Degradation of Organic Wastes", covering experimental, theoretical, process optimization and modelling.

It is my pleasure to invite you to submit a manuscript to this Special Issue. Original research papers and reviews in areas of topical interest are welcome.

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Message from the Editor-in-Chief

ChemEngineering is to consolidate its position as a high-quality, open access journal that not only disseminates excellent research but also sets the agenda for future directions in chemical engineering. We will continue to highlight core areas such as catalysis, process intensification, and the circular economy, while also opening the door to emerging topics such as multi-energy systems that integrate light, heat, and electricity, etc., as well as digital tools, modelling, and artificial intelligence applied to chemical engineering.

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