Special Issue

Photocatalysis for Organic Pollutants Degradation

Message from the Guest Editor

The photochemical application for eliminating organic pollutants in water mainly includes the following aspects: (1) the processes of organic pollutant molecules being oxidized, reduced, hydrolyzed, and finally broken into CO2, H2O, and inorganic ion X-; (2) photo-induced catalyst (or sensitizer) activates molecular oxygen O2, O3, H2O2, S2O82-, Cl2, ClO2, etc. and the influence factors of the solution; (3) generation pathway and characterization of various species of reactive oxygen species and photo-generated holes/electron pairs in homogeneous or heterogeneous systems; (4) analysis and characterization of intermediate products in degradation of organic pollutants. Therefore, this Special Issue only encompasses the aforementioned four aspects and mainly focuses on the studies of homogeneous and heterogeneous photodegradation degradation of environmental organic pollutants.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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