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Hybrid Advanced Oxidation Processes (AOPs): Recent Developments and Applications

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Deadline for manuscript submissions:
closed (20 September 2024)

Message from the Guest Editors

Dear Colleagues,

Environmental pollution is a major area of concern due to its impact on living organisms, both directly and indirectly. Among the various approaches for (waste)water treatment, the ones based on catalytic advanced oxidation processes (AOPs) are increasingly being used against persistent organic pollutants such as pesticides, dye chemicals, drugs, etc. These processes are also successfully used as a pre-treatment in order to reduce the concentration of toxic compounds that inhibit biological processes of water purification.

This Special Issue aims to cover the most recent developments and applications of hybrid AOPs for the remediation of persistent organic pollutants through sustainable strategies that combine physical, chemical and/or biological treatment processes.

The Special Issue welcomes contributions on one or more of the following topics:

- Synthesis and characterization of innovative (nano)materials;
- Mechanistic investigation of involved reactions;
- Reactor designs, process development and applications.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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