

Special Issue

Advanced Oxidation Processes for the Treatment of Emerging Organic Pollutants

Message from the Guest Editors

The presence of emerging organic pollutants—such as pharmaceuticals, personal care products, endocrine-disrupting compounds, and industrial chemicals—in water and wastewater has become a critical environmental concern. These contaminants are often persistent, biologically active at low concentrations, and inadequately removed by conventional treatment technologies. Advanced oxidation processes (AOPs) offer effective solutions for the degradation of emerging organic pollutants through the generation of highly reactive oxidizing species. Recent progress in catalyst development, process design, and system integration has significantly enhanced the efficiency and sustainability of AOP-based treatment technologies. This Special Issue aims to present recent advances in AOPs for the treatment of emerging organic pollutants in water and wastewater. Topics of interest include process fundamentals and reaction mechanisms, heterogeneous and environmental catalysis, hybrid and integrated treatment systems, separation processes, and scale-up considerations.

Guest Editors

Dr. Sajid Hussain

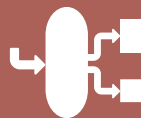
Department of Industrial Engineering, University Of Padova, 35131
Padova, Italy

Dr. Eleonora Aneggi

Department of Agricultural, Food, Environmental and Animal Sciences
(Di4A), University of Udine, 33100 Udine, Italy

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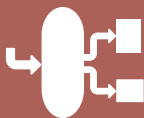


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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Department of Drug Science and Technology, University of Turin, Via P. Giuria 9, 10125 Turin, Italy

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