

Special Issue

Applications of Porous Organic Frameworks in Environmental Remediation

Message from the Guest Editors

Environmental pollution from industrial discharge, agricultural runoff, and airborne contaminants poses serious threats to ecosystems and public health. Developing advanced materials for efficient pollutant remediation is therefore crucial. Porous Organic Frameworks (POFs)—including Covalent Organic Frameworks (COFs), Porous Aromatic Frameworks (PAFs), and Hydrogen-bonded Organic Frameworks (HOFs)—have emerged as a leading class of designer porous materials. With ultrahigh surface areas, tunable pore structures, and facile functionalization, POFs offer remarkable potential for environmental applications. This Special Issue aims to highlight recent advances in the design, synthesis, and application of POFs for environmental remediation. We welcome research and review articles exploring their use in the capture, degradation, and detection of diverse pollutants, including heavy metals, persistent organic compounds, pharmaceuticals, and greenhouse gases. By showcasing the advantages of POFs over conventional porous materials, this issue seeks to advance next-generation technologies for environmental protection.

Guest Editors

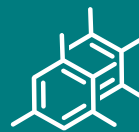
Prof. Dr. Peng Li

Dr. Xingjie Wang

Dr. Kaikai Ma

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Molecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
molecules@mdpi.com

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of Münster, Corrensstrasse 48, D-48149 Münster, Germany

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