

Special Issue

Design, Structural Analysis and Applications of Metal–Organic Frameworks

Message from the Guest Editor

The field of Metal–Organic Frameworks (MOFs) has reached a historic moment, receiving ultimate validation through the 2025 Nobel Prize in Chemistry. This recognition celebrates the transformative power of MOFs, and their unparalleled structural tunability, exceptional surface areas, and versatile functionalities are driving advances in critical areas such as energy storage, catalysis, environmental remediation, and targeted drug delivery. The continuous exploration of novel designs, in-depth structural analysis, and innovative applications defines a vibrant and interdisciplinary frontier with immense practical potential. We are pleased to invite submissions to this Special Issue on “Design, Structural Analysis and Applications of Metal–Organic Frameworks”. It aims to gather high-quality research and reviews that reflect the latest breakthroughs, building upon the field's foundational momentum to address global scientific challenges.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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.

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