



## Metal–Organic Frameworks for Separation, Catalysis and Energy Applications

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### Message from the Guest Editors

Dear Colleagues,

MOFs offer advantages as heterogeneous catalysts due to their improved reactivity, flexibility, and facile tunability. When contrasting them with conventional inorganic porous materials, metal–organic frameworks (MOFs) exhibit a multifunctional nature, a highly porous structure, a consistent spatial distribution of constituents, adjustable pore sizes and topologies, and a hybrid organic–inorganic composition. Papers on the preparation and use of catalytically active MOFs are welcome in this Special Issue.

We ask for the submission of original research papers and reviews on the advances in the use of MOF-based materials for gaseous fuel storage, chemical hydrogen storage, solar and electrochemical energy storage, and conversion, in which challenges and opportunities related to advanced energy technologies are critically discussed. Further manuscripts on the use of MOFs for the separation of gaseous molecules are also welcome.





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## Message from the Editor-in-Chief

*Processes* (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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