

Special Issue

Current Trends in Metal-Organic Framework for Environment and Catalysis

Message from the Guest Editor

In recent years, metal-organic frameworks (MOFs) have been recognized as an emerging class of crystalline porous materials and attracted tremendous interest. Numerous MOFs have been developed, and highly promising materials have been found in a wide variety of fields because of their structural, textural, and functional diversity and tunability. Current trends in MOF research have mostly focused on finding the way to use this fascinating class of materials in the real world. Different kinds of advanced devices/systems exist for gas storage/separation, adsorption in polar/non-polar media, molecular sensing, drug storage/delivery, and catalysis using MOFs directly or after necessary modification. This Special Issue on “Current Trends in Metal-Organic Framework for Environment and Catalysis” welcomes original scientific research articles, comprehensive reviews, and communications in relevant research areas focusing on the design, synthesis, and characterization of MOFs (pristine, bimetallic, and composites) and their derived carbons for environmental remediation through adsorption, storage/separation, catalysis, and sensing.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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