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# MOF Based Functional Nanomaterials for Photo/Electrocatalysis, Energy Storage and Gas Sensors Applications

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Deadline for manuscript submissions:

closed (20 February 2023)

# **Message from the Guest Editors**

Dear Colleagues,

Metal-organic frameworks (MOFs) are compounds of metal ions and organic molecules that form structured frameworks. These advanced materials can be compared with sponges with unique abilities—being able to take up, hold, and release molecules from their pores. Therefore, MOFs are currently one of the fastest-growing classes of materials. The building blocks of the framework can be combined in almost infinite ways to create novel materials. Therefore, unique structural characteristics can be achieved by tuning basic materials according to their specified application.

This SI aims to provide essential knowledge on the design and synthesis of specific MOF classes, as well as their properties and applications in many fields. Additionally, it intends to offer access to excellent references for postgraduate students, researching areas such as materials chemistry, inorganic chemistry, etc.

This SI welcomes the submission of original research, review and perspective articles on MOFs, including but not limited to: carbon-based MOFs; MOFs for environmental pollutants remediation, energy storage, biosensors; MOFs as catalysts or biomedical microrobots.













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## **Message from the Editor-in-Chief**

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