# Special Issue

# Metal-Organic Frameworks and Their Derivatives for Catalytic Applications

## Message from the Guest Editor

Metal–organic frameworks (MOFs) are emerging as promising heterogeneous catalysts owing to their high surface area, tunable pore size, diverse organic–inorganic ingredients, and dispersed active centers. In addition, MOFs have acted as versatile precursors or sacrificial templates for preparing various functional materials with a unique structure for highly efficient catalysis. This Special Issue of *Nanomaterials* titled "Metal–Organic Frameworks and Their Derivatives for Catalytic Applications" welcomes authors to share their current development in the design, characterization, and application of novel MOFs and their derivatives for various catalysis, including but not limited to thermal, photo-, electro-, and photoelectro-catalysis, which are mainly focused on the production of renewable energy and valuable chemicals.

## Guest Editor

Prof. Dr. Yi Huang

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## Deadline for manuscript submissions

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Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

## Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
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