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Metal-Organic Frameworks in Analytical Applications

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Deadline for manuscript submissions:
closed (10 May 2023)

Message from the Guest Editors

Dear Colleagues,

We are pleased to invite you to participate in this Special Issue of *Nanomaterials* dedicated to the analytical applications of metal-organic frameworks. This SI aims to address the use of MOFs is different analytical methodologies, covering the inclusion of MOFs as neat materials or as composites in miniaturized solid-phase extraction, in dispersive miniaturized solid-phase extraction, in on-fiber solid-phase microextraction, in thin-film microextraction, as stationary phases in chromatography, and even when MOFs form part of sensors—in all cases with particular emphasis on the applications to simple and complex matrices for food, environmental or biological analyses. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not be limited to) the following:

- Analytical chemistry;
- Inorganic chemistry;
- Material science;
- Chemical engineering;
- Environmental analysis;
- Food analysis;
- Bioclinical analysis.

We look forward to receiving your contributions. See more information in https://www.mdpi.com/si/111071

Dr. Jorge Pasán
Prof. Dr. Verónica Pino
Guest Editors

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Special Issue

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Editor-in-Chief

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Message from the Editor-in-Chief

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.

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