

Special Issue

Applications of MOFs and COFs in Drug Delivery, Separation and Water Purification Purposes

Message from the Guest Editors

The development of metal organic frameworks (MOFs) and covalent organic frameworks (COFs) has received great attention in various fields including catalysis, sensing, adsorption of pollutants and medical carrier for drug delivery. The orientation of MOFs and COFs based materials for drug delivery require specific structure to enable biocompatibility, high efficiency and smart performance. In addition, to assess the toxicity and biocompatibility of MOFs and COFs. There are a crucial need for research covering the fabrication, functionalization, characterization and applications of MOFs and COFs. Furthermore, to investigate the kinetic, equilibrium and/or thermodynamic models for studying the adsorption/desorption processes onto MOFs and/or COFs.

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