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

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Message from the Guest Editors

Dear Colleagues,

The development of metal organic frameworks (MOFs) and covalent organic frameworks (COFs) has received greet 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/desorpion processes onto MOFs and/or COFs.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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