

## Special Issue

# Covalent Organic Frameworks and Related Porous Organic Materials

### Message from the Guest Editors

Dear Colleagues, Covalent organic frameworks (COFs) are a class of materials that exhibit high surface area, pore volume and extended network topologies. They are built through the formation of strong covalent bonds between rigid organic building blocks. COFs are synthesized using various organic condensation reactions, and they have found application in many fields of interest, such as gas storage, separation, sensing, optoelectronics, catalysis, and more. Furthermore, COFs have inspired the development of other porous organic materials with extended structures, which despite lacking crystallinity, they have interesting properties arising from the choice of their building components, the type of chemical bond that they form, or presence of chemical functionalities that decorate their pores. This Special Issue aims to cover different aspects of the chemistry of COFs and related porous organic materials, ranging from the study of synthetic methodologies, structural design, chemical modification, or evaluation of their properties.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 May 2017)



## Molecules

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

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