



## Covalent Organic Frameworks and Related Porous Organic Materials

Guest Editors:

**Dr. Felipe Gándara**

Department of New Architectures  
in Materials Chemistry, Instituto  
de Ciencia de Materiales de  
Madrid (ICMM-CSIC), Sor Juana  
Inés de la Cruz 3, Cantoblanco,  
Madrid, Spain

**Dr. Praveen Thallapally**

Pacific Northwest National  
Laboratory, Physical and  
Computational Sciences  
Directorate, Richland WA, USA

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### 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.

Dr. Felipe Gándara

Dr. Praveen Thallapally

*Guest Editors*





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## Editor-in-Chief

### Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical  
Biology and Phytochemistry,  
University of Münster,  
Corrensstrasse 48, D-48149  
Münster, Germany

## Message from the Editor-in-Chief

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*Molecules* Editorial Office  
MDPI, St. Alban-Anlage 66  
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