

Special Issue

Design and Application of Hydrogen-Bonded Organic Frameworks (HOFs)

Message from the Guest Editors

The focus on Hydrogen-bonded Organic Frameworks (HOFs) in this Special Issue highlights their emerging importance in porous materials. Unlike their more established counterparts, Metal–Organic Frameworks (MOFs) and Covalent Organic Frameworks (COFs), HOFs are characterized by their unique flexible structures and enhanced photo-electronic properties. These characteristics open up many applications, ranging from gas storage and separation to catalysis, sensing, and drug delivery, where the adaptability of HOFs can be leveraged to optimize performance. The Special Issue aims to catalyze the growth of this exciting field by consolidating knowledge, inspiring new research directions, and facilitating the development of HOF-based technologies that can impact various sectors, from environmental remediation to healthcare and beyond.

Guest Editors

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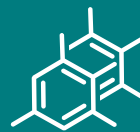
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