



## Design, Synthesis and Application of Supramolecular Functional Materials

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### Message from the Guest Editors

Supramolecular chemistry has proven to be a powerful tool for the design and development of highly complex architectures for a wide range of applications in biology, medicine and materials science. Indeed, non-covalent interactions, such as hydrogen bonding, CH- $\pi$ ,  $\pi$ - $\pi$ , halogen bonding, and electrostatic interactions, provide a versatile toolbox to elaborate supramolecular materials exhibiting a highly dynamic, adaptive and reversible stimuli-responsive behaviour. These unique properties permit new functions that are not available for their conventional covalent counterparts to be achieved. This Special Issue aims to highlight the very recent progress in this field focusing on the design and synthesis of organic and inorganic supramolecular materials, their hierarchical assembly at higher scale and how this determines their bulk properties and thus, their usage. Contributions discussing all aspects broadly indicated by the keywords are strongly encouraged.





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## Message from the Editor-in-Chief

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