

Special Issue

Supramolecular Host/Guest Compounds and Their Prospects for Multifunctional Materials

Message from the Guest Editors

The selective behaviour of synthetic (crown ethers and cryptands) and natural macrocycles for alkali-metal cations marked the beginning of Supramolecular Chemistry in the late sixties and early seventies. These discoveries provoked a remarkable expansion in this area of research leading to a huge number of papers, reviews, books and the Nobel Prize Award in 1987 to Pedersen (crown ethers), Lehn (cryptands) and Cram (spherands). Since then, Supramolecular Chemistry has captivated the interest of the scientific community to the extent that the initial and continuous interest in host-guest chemistry has extended to the formation of supramolecular assemblies resulting from non-covalent interactions between host and host-guest complex units containing auxiliary functional groups.

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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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