

Special Issue

Host-Guest Chemistry

Message from the Guest Editor

In life, noncovalent complexation precludes the formation of covalent bonds and is a crucial step in signaling events. Chemists have spent many years constructing covalently linked hosts to replicate the noncovalent complexes observed in nature. The first generation of hosts formed strong noncovalent bonds with a guest through rigid pockets that matched a guest's size. Although able to form tight complexes with some selectivity, these hosts did not achieve the very large association constants observed in nature and lacked function. The scope of this Special Issue highlights the newest approaches in constructing hosts to maximize guest association and perform function through dynamic motion.

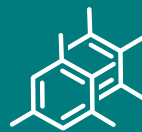
Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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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