

Special Issue

Molecular Recognition of Host/Guest Molecules

Message from the Guest Editor

Molecular recognition of host/guest molecules represents the basis of many biological processes and phenomena. Enzymatic catalysis and inhibition, immunological response, reproduction of genetic information, biological regulatory functions, the effects of drugs and ion transfer—all these processes include the stage of structure recognition during complexation. Molecular recognition is a process in which host molecules select and bind guest molecules due to multipoint intermolecular interactions into structurally highly organized systems. The goal of this Special Issue is, therefore, to solicit and publish the latest advances in molecular recognition of host/guest molecules occurring with noncovalent bonds (ionic, H-bridge, charge transfer, hydrophobic and hydrophilic interactions) and to inform researchers in related fields of its potential application.

Guest Editor

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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