

Special Issue

Synthesis and Molecular Recognition of Macrocyclic Compounds

Message from the Guest Editor

The molecular recognition of biomolecules is a ubiquitous and vital phenomenon in nature. This phenomenon can also be engineered into synthetic molecules such as macrocycles. Studies on molecular recognition using macrocycles such as crown ethers, cryptands, calixarenes, cyclodextrin derivatives, spherands, cavitands, cyclophanes, cucurbiturils, catenanes, rotaxanes, and many others are not only important because they help us to better understand its working in nature, but also because these studies can lead to the development of effective sensor and selector molecules and catalysts with wide applications. This Special Issue focuses on the synthesis and molecular recognition of macrocycles and their applications as sensors, selectors, and catalysts.

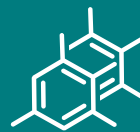
Guest Editor

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Deadline for manuscript submissions

closed (28 February 2022)



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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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