

Special Issue

Advances in Macrocycles Synthesis and Applications

Message from the Guest Editors

This Special Issue will cover the following topics: modern synthetic approaches to macrocycles synthesis, with an emphasis on metal-catalyzed reactions, macrocycles with various types of chirality, and macrocycles with unusual heteroatoms and (hetero)aromatic endocyclic moieties. Much attention will also be paid to the following aspects of the application of macrocycles: coordination with metal cations; inorganic and organic anions; organic polar molecules; and the abilities of macrocycles for molecular detection and recognition, including colorimetric and fluorescent chemosensors based on macrocyclic compounds. Another subdivision of the chemistry of macrocycles is naturally occurring macrocyclic compounds—synthetic macrocycles possessing various biological activity.

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Message from the Editor-in-Chief

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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