



Advances in the Design and Synthesis of Novel Macrocyclic Host Molecules

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Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editor

Dear Colleagues,

Macrocycles hold a privileged place in the field of molecular recognition. Suitably designed, they can recognize ions and small molecules with great levels of selectivity, even in competing media such as water. Every day, macrocyclic hosts are finding new applications in the context of anion capture, transport, sensing, molecular machinery, etc. The structural diversity of synthetic macrocycles is constantly expanding, and the rapid development of strategies enabling access to macrocyclic species with complex topologies (e.g., multiply interlocked catenanes and knots) is likely to push the boundaries of the field in new directions in the near future. It is therefore timely to gather studies reflecting the current state-of-the-art of the host–guest chemistry of macrocycles.

The aim of this Special Issue is to highlight some of the latest developments in all areas of research related to the design and synthesis of macrocyclic hosts.





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Message from the Editor-in-Chief

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