Special Issue

Chirality in Supramolecular Chemistry

Message from the Guest Editor

Chirality (asymmetry) is relevant in all aspects of chemistry. Most notably, nature has chosen life to be chiral. The two most remarkable biopolymers (DNA, proteins) use chirality to achieve unparalleled control over recognition processes or to impart control over their structural motifs: protein folding, DNA helicity. Taking inspiration from nature, supramolecular chemistry has drastically evolved from its initial steps of crown ether macrocycles recognizing cations to large, very complex molecular machines. Chirality has an important part to play in the further development of supramolecular chemistry, giving us access to systems capable of chiral recognition emulating proteins and control over the self-assembly process to obtain nanomaterials with new properties.

Guest Editor

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Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Editor-in-Chief

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