Special Issue

Regio- and Stereoselectivity in Cycloaddition Reactions

Message from the Guest Editor

Cycloaddition reactions are the most universal protocol for the preparation of a wide range of carbo- and heterocyclic molecular systems. In this way, it is possible to synthesize three-, four-, five- six- (etc.) membered cyclic molecules, including almost any combination of heteroatoms. Most of these types of processes proceed with high yields and selectivity. Additionally, cycloaddition reactions are realized with full atomic economy. Therefore, this class of organic processes is valuable from the point of view of green chemistry.

The latest discoveries shed new insight into the mechanisms of cycloaddition processes, as well as the factors that stimulate chemo-, regio-, and stereoselectivity. So, this issue should attract great attention from organic chemists. This Special Issue is especially dedicated to the presentation of new, important discoveries in the mentioned field.

Guest Editor

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Deadline for manuscript submissions

closed (30 August 2022)

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/si/84491

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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.

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