Special Issue

Organocatalysis in the Chemical Transformations, 2nd Edition

Message from the Guest Editors

Organocatalysis represents a breakthrough in chemical transformations, offering innovation, superior activity, selectivity and, notably, a sustainable approach at a relatively low cost. It relies on the use of small organic molecules (isolated or attached to supports) with a huge range of applications, including fine chemistry, novel molecule synthesis, storage energy components, and photoredox and electrocatalytics processes. Organocatalysis was recognized as a tool for controlling the chirality of molecules by the Nobel Prize in Chemistry 2021, which was awarded for "the development of asymmetric organocatalysis." Despite all of these advantages, novel organocatalysts must be designed to meet the requirements of large-scale production. A combination of organic molecules with heterogeneous supports can advance manufacturing under the industrial perspective. This Special Issue is dedicated to organocatalysis, aiming to provide further insight into organocatalysis research and positively contribute to the progression of this field. Therefore, our colleagues are invited to submit their valuable research to this Special Issue, including experimental and theoretical results.

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