Special Issue

Recent Trends in Stereoselective Synthesis and Chiral Catalysis

Message from the Guest Editor

It has been well known that chirality is fundamental to the natural world around us because, at the molecular level, the highly asymmetric landscape of many fundamental components of plants and animals, such as enzymes, proteins, polysaccharides, and nucleic acids, can be found existing in their chirally pure forms. Because of the chiral nature of biomolecules, their activity can be successfully modified or even blocked by synthetic chiral agents. Therefore, enantioselective syntheses of known or new biologically active molecules, the development of efficient chiral catalysts, or new separation technics for the successful separation of enantiomers are very intensively researched areas within organic chemistry. The main aim of the present Special Issue is to collect the results of fundamental studies and applications in a multidisciplinary research area that enrols chiral compounds. It will bring together novel, unique, and innovative approaches in the fields of enantioselective organic synthesis, stereoselective transformations, as well as asymmetric organocatalysis and chiral recognition studies using chiral sources, including results of pharmacological studies.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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