



symmetry



an Open Access Journal by MDPI

Asymmetric Synthesis: Topics and Advances

Guest Editor:

Dr. Qiang Sha

Jiangsu Key Laboratory of
Pesticide Science and
Department of Chemistry,
College of Sciences, Nanjing
Agricultural University, 1 Weigang
Road, Xuanwu District, Nanjing
210095, China

Deadline for manuscript
submissions:

31 July 2024

Message from the Guest Editor

For decades, the pursuit of efficient and simple methods to achieve the enantioselective synthesis of target products has been a hot field in chemistry. Traditional Lewis acid catalysis and transition-metal-catalyzed asymmetric synthesis (including cross-coupling reactions, carbene chemistry, hydrogenation reduction, etc.) have been considered and achieved remarkable results. Since 2000, research on the catalytic construction of central chiral and axial chiral compounds by small organic molecules has emerged and attracted much attention. In addition, the construction of chiral centers by new free radical reactions, developed in recent years, and catalytic asymmetric dearomatization reactions have also experienced notable progress.



mdpi.com/si/175204

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

1. Institució Catalana de Recerca
i Estudis Avançats (ICREA),
Passeig Luis Companys, 23,
08010 Barcelona, Spain
2. Institute of Space Sciences
(ICE-CSIC), C. Can Magrans s/n,
08193 Barcelona, Spain

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (*General Mathematics*); Q1 (*Physics and Astronomy*); Q1 (*Computer Science*)

Contact Us

Symmetry Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/symmetry
symmetry@mdpi.com
X@Symmetry_MDPI