

Special Issue

Natural Products and Synthetic Compounds for Drug Development

Message from the Guest Editor

Nature plays a crucial role as a source of drug structures for the development of novel effective and safe drugs. Medicinal chemistry develops active compounds through structural simplification, hybridization, or mimicking derivatives to interact with different targets and treat a variety of human diseases. This field of research has demonstrated tremendous practicality, increasing target affinity and addressing a range of issues affecting candidate drugs.

We welcome original articles and broad reviews covering natural products, their derivatives, and synthetic compounds. Topics of great interest to modern pharmacology include oxidative stress-related conditions, reactive oxygen species, oxidative damage, and inflammatory stimulation. Furthermore, we will consider applications for different human diseases, including cancer, infectious diseases, cardiovascular, and neurological diseases. We aim to provide the latest findings on the pharmacological characteristics of specific molecular compounds, the pharmacology of natural compounds, and the roles of bioactive natural products in human health and disease.

Guest Editor

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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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