

Special Issue

Recent Advances on Small Molecule for Multitarget-Based Treatment of Human Diseases

Message from the Guest Editor

It has been observed that small molecules have continuously played an important role in the discovery of novel drugs to treat various kinds of human diseases. Presently, in drug design, prediction and elucidation of biomolecular targets is possible, although their interactions with other molecules and mechanisms of action are unknown. Topics such as bio- and chemo-informatics, small molecules, machine learning, peptide drugs, and modulators may help in improving the knowledge and development of new treatments.

This thematic issue aims to summarize recent advances in the medicinal chemistry of small molecules, mechanisms of action, and their application in clinical practice for treating various kinds of human diseases. The scope of this thematic issue will cover all areas of medicinal chemistry, including current developments in rational drug design, synthetic chemistry, bioorganic chemistry, high-throughput screening, combinatorial chemistry, compound diversity measurements, drug absorption, drug distribution, metabolism, new and emerging drug targets, natural products, and structure–activity relationships.

Guest Editor

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Message from the Editor-in-Chief

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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