

Special Issue

Schiff Bases and Their Metal Complexes: Structure, Synthesis, and Biological Application

Message from the Guest Editor

Schiff bases are bioactive molecules, with 41 approved for therapeutic use as antimicrobial, cardiovascular, gastrointestinal, and CNS drugs. They form metal complexes in which metals introduce properties inaccessible to pure organic compounds, such as additional coordination numbers, redox behaviour, and, in some cases, radioactivity and paramagnetism. Therefore, Schiff base metal complexes show different reactivity and, consequently, new modes of action that often result in better activity than their organic counterparts. They can also be activated by external stimuli such as electromagnetic radiation, sound, and heat. Such properties enable their use not only in the treatment but also in the diagnosis of various diseases. In this Special Issue, we welcome original studies on all aspects related to the advancement of Schiff bases and their metal complexes as bioactive and diagnostic agents for therapeutic and pharmaceutical uses. The Issue will also cover reports dealing with clinical or pure model submissions involving biomolecular experiments.

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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