

Special Issue

Advanced Ligands for Coordination Chemistry

Message from the Guest Editor

Coordination chemistry is a huge and very important field in modern chemical science. Coordination compounds are integral in modern catalytic transformations, material science, separation technologies, biological processes, and other fields. In principle, the classical coordination compound consists of two parts: the metal cation and the ligand(s). The Periodic Table displays a restricted amount of metals. In contrast, the design and synthesis of new ligands have established new frontiers in coordination chemistry. Therefore, this Special Issue focuses on the ligands used for coordination chemistry. All fundamental or practically oriented aspects of this field within this Special Issue include the design, synthesis, and study of coordination properties of ligands; their use for separation techniques; the photo-physical properties of ligands and their complexes; and many others. All colleagues active in this field are invited to contribute to this Special Issue by presenting original papers or short reviews in the field.

Guest Editor

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Deadline for manuscript submissions

closed (30 September 2023)



International Journal of Molecular Sciences

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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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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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