



Synthesis, Modeling, Physico-Chemical and Biological Properties of Metal Complexes

Guest Editor:

Dr. Monika Kalinowska

Department of Chemistry,
Biology and Biotechnology,
Institute of Environmental
Engineering and Energetics,
Faculty of Civil Engineering and
Environmental Sciences,
Białystok University of
Technology, Wiejska 45E Street,
15-351 Białystok, Poland

Deadline for manuscript
submissions:

closed (30 June 2024)

Message from the Guest Editor

Dear Colleagues,

This Special Issue is focused on metal complexes and their synthesis, modeling, and physico-chemical and biological characterization. As metal complexes play a significant role in various scientific fields such as biology, chemistry, and materials science, a better understanding of their characteristics can contribute to the creation of novel materials, catalytic systems, and therapeutic agents. In biological studies, metal complexes can exhibit unique and valuable properties that make them suitable for a range of biomedical applications.

A wide range of metal complex structures can be generated using various synthetic approaches such as organometallic chemistry and coordination chemistry.

Modeling techniques promote an understanding of electronic and structural properties as well as provide insights into the spectroscopic features, bonding nature, and catalytic activity of metal complexes.

Physico-chemical characterization techniques are utilized to determine the stability, structure, and reactivity of these materials.

The aim of this Special Issue is to publish outstanding papers that cover the latest progress in the field of metal complexes.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)