



materials



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Comparison of Structural, Spectroscopic, Theoretical and Thermal Properties of Metal Complexes and Their Application

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Deadline for manuscript
submissions:

closed (20 July 2022)

Message from the Guest Editor

Dear Colleagues,

New materials based on metal complexes are of increasing significance and find application in diverse areas of science and industry such as antioxidant, anti-cancer, antimicrobial, antiviral or insecticidal agents, metalloenzyme models, dyes, radiopharmaceuticals, liquid crystals, nanomaterials, supramolecular structures, catalysts, conducting and magnetic molecular materials, molecular switches and optoelectronics. The structural diversity of mono- and multinuclear metal complexes enables the design of molecules with the desired physico-chemical or biological properties, which may serve as functional materials. The Special Issue is focused on the structural, spectroscopic, theoretical and thermal properties of new metal complexes and their application in chemical, food, pharmaceutical, electronic and other industries.

Moreover, studies related to the biomedical, environmental, agricultural, electro-optic and industrial *applications of metal complexes* are an important part of this Special Issue.

Prof. Dr. Monika Kalinowska

Guest Editor



mdpi.com/si/81449

Special Issue



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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.

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