

Special Issue

Synthesis, Structural Analysis and Biological Activity of Metal Complexes

Message from the Guest Editors

This Special Issue of *Inorganics*, titled "Synthesis, Structural Analysis and Biological Activity of Metal Complexes", places particular emphasis on the biological applications and therapeutic potential of different metal complexes, both endogenous or exogenous. Based on recent advancements in design and synthesis methodology, researchers are now able to fine-tune metal complexes for specific biological activities, enabling targeted interactions with selected biomolecules such as enzymes, proteins and DNA. These interactions are crucial for developing metal-based therapies, and studies in this Issue highlight significant progress in using metal complexes to fight infections, cancer, inflammatory diseases, viruses and neurodegenerative disorders.

Keywords:

- metal complexes
- biological activity
- therapeutic applications
- structural analysis
- metal-biomolecule interactions
- medicinal inorganic chemistry
- anticancer agents
- antimicrobial activity
- antiviruses activity
- neurodegenerative disease management

Guest Editors

Prof. Dr. João Honorato de Araujo-Neto

Departamento de Química Fundamental, Instituto de Química,
Universidade de São Paulo, Av. Prof. Lineu Prestes 748, São Paulo
05508-000, Brazil

Prof. Dr. Ana Maria Da Costa Ferreira

Departamento de Química Fundamental, Instituto de Química,
Universidade de São Paulo, Av. Prof. Lineu Prestes 748, São Paulo
05508-000, Brazil

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Inorganics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
inorganics@mdpi.com

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

Prof. Dr. Duncan H. Gregory

School of Chemistry, University of Glasgow, University Avenue, Glasgow
G12 8QQ, UK

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