



Metal-Based Antimicrobials

Guest Editors:

Prof. Dr. Miloš I. Djuran

**Dr. Jasmina Nikodinović-
Runić**

Dr. Biljana Đ. Glišić

Deadline for manuscript
submissions:

closed (31 May 2022)

Message from the Guest Editors

Dear Colleagues,

Infectious diseases are becoming increasingly difficult to treat, because many microbes have developed resistance to clinically used antimicrobials. Antimicrobial resistance is especially correlated with the presence of biofilms, because in this form, microbes manifest up to one thousand times higher resistance. It is estimated that antimicrobial resistance causes at least 50 thousand deaths each year in Europe and the United States, and that it will cause 10 million deaths worldwide per year by 2050. Therefore, the development of new antimicrobial agents is of paramount importance. Metal complexes might represent a novel class of antimicrobial agents because of their favorable features compared with organic compounds, including enhanced stereochemistry and reactivity, lipophilicity, and different modes of action.

This Special Issue aims to highlight the progress in the field of the synthesis of novel metal complexes as potential antimicrobial agents, and investigation of their interactions with biological targets.

Prof. Dr. Miloš I. Djuran
Dr. Jasmina Nikodinovic-Runic
Dr. Biljana Đ. Glišić
Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Duncan H. Gregory

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

Message from the Editor-in-Chief

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.

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), CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Chemistry, Inorganic & Nuclear*) / CiteScore - Q2 (*Inorganic Chemistry*)

Contact Us

Inorganics Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/inorganics
inorganics@mdpi.com
[X@inorganics_MDPI](https://twitter.com/inorganics_MDPI)