Special Issue

Metal-Based Antimicrobials

Message from the Guest Editors

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.

Dr. Jasmina Nikodinovic-Runic

Guest Editors

Prof. Dr. Miloš I. Djuran

Dr. Jasmina Nikodinović-Runić

Dr. Biljana Đ. Glišić

Deadline for manuscript submissions

closed (31 May 2022)

Inorganics

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.1

mdpi.com/si/73935

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

mdpi.com/journal/inorganics

Inorganics

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.1

mdpi.com/journal/inorganics

About the Journal

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.

Editor-in-Chief

Prof. Dr. Duncan H. Gregory
School of Chemistry, University of Glasgow, University Avenue, Glasgow G12 8QQ, UK

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Inorganic and Nuclear) / CiteScore - Q2 (Inorganic Chemistry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the first half of 2025).