Special Issue

Organometallic Macrocycles and Their Applications

Message from the Guest Editor

Apart from their inherent beauty, cyclic structures can exhibit properties and functions that surpass those of linear architectures constructed from the same constituents. Macrocycles incorporating transition metal-coligand entities as integral building blocks offer particularly fascinating prospects. This is due to their structure-directing abilities, as well as the preferred coordination numbers and coordination geometries. The field of metallamacrocyclic complexes has, meanwhile, matured beyond the directed synthesis and characterization of such architectures to explore and exploit their physical properties. Examples are electron transfer from the coordination centers or the bridging ligands or optical charge transfer between these constituents with forays into the field of molecule-based electronics. Other work employs the sizable interior cavities for selective host–guest chemistry with emerging applications as structurally adaptive and stimuli-responsive materials or in catalysis, biology and medicine. This Special Issue of *Inorganics* highlights the many facets of metallamacrocyclic chemistry.

Guest Editor

Prof. Dr. Rainer Winter

Department of Chemistry, Universitat Konstanz, 78464 Konstanz, Germany

Deadline for manuscript submissions

closed (30 June 2018)

Inorganics

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.1

mdpi.com/si/11184

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).