

# Special Issue

## Magnetic Oxide Materials

### Message from the Guest Editor

From high-temperature superconductivity to colossal magnetoresistance, magnetic oxides express a variety of extraordinary phenomena, some of which are still not well understood. This special issue will cover a wide range of transition metal oxides that express functional properties such as metal-to-insulator transitions, ferromagnetism, and half-metallicity to physical properties of more fundamental interest such as magnetic frustration, orbital ordering, and spin glasses. Furthermore, some more recent interest in the field of quantum materials has placed complex oxides that express quantum spin liquid behavior at the forefront. This Special Issue will showcase oxides with a diversity of structure types as well, from perovskites to pyrochlores to spinels to hollandites to those closely related to magnetic frustration (e.g. honeycomb lattices). While the field of magnetic oxides is quite mature with the Goodenough-Kanomori rules elucidated more than 50 years ago, there is still much to discover and understand with recent progress in novel synthetic methods and advanced characterization techniques.

---

### Guest Editor

Dr. Efrain E. Rodriguez

Department of Chemistry and Biochemistry, University of Maryland,  
College Park, MD, USA

---

### Deadline for manuscript submissions

closed (15 February 2019)



## Inorganics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.3



[mdpi.com/si/14370](https://mdpi.com/si/14370)

*Inorganics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[inorganics@mdpi.com](mailto:inorganics@mdpi.com)

[mdpi.com/journal/  
inorganics](https://mdpi.com/journal/inorganics)





# Inorganics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 5.3



[mdpi.com/journal/  
inorganics](https://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 14.9 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).