



Smart Tools for Smart Applications: New Insights into Inorganic Magnetic Systems and Materials

Guest Editors:

Dr. Francesca Garello

Molecular and Preclinical Imaging Centers, Department of Molecular Biotechnology and Health Sciences, University of Torino, 10126 Torino, Italy

Dr. Roberto Nisticò

Independent Researcher, Via Borgomasino 39, 10149 Torino, Italy

Prof. Dr. Federico Cesano

Department of Chemistry, Turin University, 10125 Torino, Italy

Deadline for manuscript submissions:

closed (31 July 2020)

Message from the Guest Editors

Dear Colleagues,

In recent years, micro/nanosystems with magnetic properties have been extensively investigated in many fields, ranging from physics to medicine. The research in these areas has lately shown that, if the magnetic compounds are opportunely functionalized and modified, a plethora of challenging multidisciplinary applications is available, including the development of magnetically-controlled nanoparticles, stimuli-responsive materials, drug-delivery, sensors, spintronics, purification of contaminated water/soils, ferrofluids and magnetorheological fluids, MRI contrast agents, thermoablation of cancer, etc. Magnetic compounds have been found to be highly selective and effective in all these application fields, from the molecular level to the microscale one. This Special Issue aims at underlining the latest advances in the field of magnetic compounds, nanosystems and materials, covering a large variety of topics related to: novel synthesis and functionalization methods, properties, applications and use of magnetic systems in chemistry, materials science, diagnostics and medical therapy.

Dr. Francesca Garello

Dr. Roberto Nisticò

Dr. Federico Cesano

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 and Nuclear) / CiteScore - Q2 (Inorganic Chemistry)

Contact Us

Inorganics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/inorganics
inorganics@mdpi.com
X@inorganics_MDPI