Special Issue

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

Message from the Guest Editors

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, thermo-ablation 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.

Guest Editors

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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

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