



Synthesis, Properties and Applications of Lanthanide and Actinide Molecular Compounds

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Message from the Guest Editors

Lanthanides and actinides have unique physical and chemical properties that result in a wide variety of applications, from energy production to life sciences. Owing to the unique electronic, optical and magnetic properties of lanthanide ions, the potential utility of molecular lanthanide compounds in biosensing and bioimaging continues to increase. The search for new bonding motifs in molecular actinide compounds is an ongoing challenge and is of importance in the development of separation strategies for used nuclear fuel and radioactive waste processing.

This Special Issue aims to collect contributions focused on recent research on synthesis, reactivity, properties and applications, such as catalysis, materials and medicine, of lanthanide and actinide molecular compounds. We expect that it will contribute to the development of f-element chemistry, and we invite you to participate with your more recent work.





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Message from the Editor-in-Chief

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