

Special Issue

Synthesis, Structure and Properties of f-Block Complexes

Message from the Guest Editor

In recent years, there has been a burgeoning interest in the chemistry of f-block complexes, from the lanthanides to the technically challenging to handle trans-uranics. The synthesis of these complexes is often difficult and a challenge in and of itself, and while the routine techniques such as SC-XRD, NMR, and IR studies allow identification of these complexes, the recent advances in further experimental techniques, such as SQUID, EPR, and XANES/XAFS, and theoretical techniques such as TD-DFT, QTAIM, and CASSCF, have allowed in depth investigations into the structure and bonding of these molecules. In this Special Issue, we wish to cover the most recent advances in these aspects of f-block chemistry, including the synthesis and structural investigations of these complexes.

Guest Editor

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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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