

Special Issue

Fluorescence in Lanthanide Coordination Compounds

Message from the Guest Editor

Lanthanide (Ln) complexes have attracted much attention in the last two decades as luminescent devices in the biological fields, such as bio-probes, sensors, and anticancer agents. Trivalent lanthanide ions can form stable complexes with polypeptides, a property that made Lanthanide-binding protein motifs to be extensively used in X-ray crystallography and NMR studies. The electron densities of the Ln(III)-bound peptide compounds and paramagnetic properties facilitate determining the macromolecular structure. Other applications of lanthanide complexes include their use as light devices, solid-state lasers, temperature probes, and in constructing optical signal amplifiers in telecommunication networks. This Special Issue of "Fluorescence in Lanthanide Coordination Compounds" in MDPI's *Compounds* journal will comprise a selection of regular research papers, short communications or reviews covering various aspects of a multidisciplinary field related to this topic. We warmly invite authors to submit contributions dedicated to this Special Issue. **Keywords:**

- lanthanides
- fluorescence
- antenna effect

Guest Editor

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Deadline for manuscript submissions

31 December 2025



Compounds

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 3.8



mdpi.com/si/211691

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About the Journal

Message from the Editor-in-Chief

As a new international and multidisciplinary peer-reviewed open access journal for multidisciplinary chemistry focused on chemical compounds, Compounds (ISSN 2673-6918) has been founded to publish reviews, original research papers, communications, case reports, letters, and short notes. Our goal is for Compounds to become a journal where the scientific community can present their results under open access. Our core objective is to provide high-quality research contributions in a wide range of chemistry areas. Manuscripts dealing with chemical compounds; the relationship between structure, properties, and/or functions of all kinds of compounds; as well as chemical theory and applications are welcome.

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