

## 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

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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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### Editor-in-Chief

Prof. Dr. Juan C. Mejuto  
Department of Physical Chemistry, Faculty of Science, University of  
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