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Rare Earth Based Luminescent Materials

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Message from the Guest Editors

Dear Colleagues,

The intensive research work in the field of luminescent materials with lanthanides, resulting in a large number of articles published on the subject, shows that the interest in these materials is far from exhausted. This is due to the remarkable properties and fascinating applications of these materials. Optical telecommunications, luminescent displays, and white LEDs, as well as various biomedical applications, are just a few to be mentioned. This Special Issue aims to demonstrate the recent trends in the research on luminescent materials based on lanthanides. The synthesis, properties, and applications of these materials, as well as fundamental studies and design, are a matter of importance.

The scope of the Special Issue is rather wide-ranging, covering both lanthanide complexes, and organic, inorganic, and organic-inorganic hybrid materials with advanced luminescent properties. The scientific community, researchers, and experts are challenged and highly welcome to present both original papers and short communications, as well as reviews, in this Special Issue.

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Guest Editors



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Special Issue



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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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