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Studies on Organic Synthesis and Luminescence Materials

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Message from the Guest Editors

Dear Colleagues,

Organic and organometallic synthesis of luminescent materials has had a tremendous impact in nanomaterials research, specially from the point of view of the aggregation-induced fluorescent materials with a large range of applications: nanostructured materials oriented to chemical sensing, nanomedicine, biomaterials, biomolecular recognition and new anticancer tools, or the applications of aggregation materials in solar cells or energy conversion and storage.

This Special Issue aims to cover the latest applications of organic and organometallic synthesis in the search and discovery of new luminescent nanomaterials, developments and forthcoming prospects. Its goal is to advance current knowledge of luminescent nanomaterials and present new ideas for future applications and new technologies. The preparation of devices containing those hybrid synthetic organic or organometallic compounds included in the most advanced luminescent nanomaterials and their use in state-of-the-art applications is also welcome in the topic.

See more information in: <https://www.mdpi.com/si/151465>

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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