## **Special Issue**

# **Explorations in Luminescent Complexes**

## Message from the Guest Editor

Metal-organic coordination complexes can be made to exhibit a wide range of photoluminescence (PL) behaviors by the integration and installation of metal ions, organic linkers, and inclusion quests. The PL's origins can be multifaceted, from ligand/metal/questcentered to involving metal-to-ligand, ligand-to-metal. or host-guest charge transfer states. The photon conversion and energy transfer processes can be differentiated from one-photon down-shifts to two or multi-photon up-conversions, resulting in UV/visible/near-infrared fluorescence, phosphorescence, or persistent luminescence. The PL tuning and modulating strategies can vary from temperature, pressure, solvent, ions, or pH to light, electric, or magnetic fields. The potential applications are abundant, and range from lighting, displays, lasing, imaging, sensing, and detecting to barcoding and anticounterfeiting. We will dedicate this Special Issue to state-of-the-art explorations of any aspect of luminescent complexes.

#### **Guest Editor**

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## Deadline for manuscript submissions

closed (15 January 2022)



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## Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th 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 all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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