Special Issue

Advances in Self-Assembled Luminescent Materials

Message from the Guest Editors

Supramolecular chemistry is intricately linked to the phenomenon of self-assembly, which is defined as the autonomous organization of components into specific patterns or structures without human intervention. Both molecular self-assembly and supramolecular chemistry are interconnected through noncovalent interactions (H-bonds, π–π stacking, CH/π, etc) and/or through particular nano- and microscale architectures. Molecular self-assembly plays a crucial role in biological systems. With so many possibilities, we would like to invite researchers to submit papers discussing any aspect related to the role of supramolecular oligomers and polymers or chiral supramolecular assemblies which exhibit unique optical properties. Therefore, potential topics could include, but are not limited to, the following:

- Supramolecular aggregation-induced emission materials.
- Circularly polarized luminescence materials.
- The crystal growth of supramolecular polymers or assemblies.
- Advances in the development of polymeric supramolecular materials.
- Their structural characterization and relationships to function.

Guest Editors

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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

Editor-in-Chief

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