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Synthesis and Properties of Light-emitting Liquid Crystals

Guest Editor:

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Deadline for manuscript submissions:
closed (1 April 2019)

Message from the Guest Editor

Light-emitting liquid crystals possessing both light-emitting and LC properties are promising functional molecules that can switch light-emitting properties by changing their molecular aggregated structures via phase transition, e.g., crystal ⇄ LC ⇄ liquid. This Special Issue, titled "Synthesis and Properties of Light-Emitting Liquid Crystals", is intended to provide an innovative and broad perspective on light-emitting molecules with liquid-crystalline properties, particularly focusing on molecular design, synthesis, and the light-emitting, as well as liquid-crystalline, properties.

The potential topics include, but are not limited to:

- molecular design of molecules with both light-emitting and liquid-crystalline properties;
- development of efficient synthetic protocols for light-emitting liquid crystals;
- characterisation of the structure, photophysical properties excited by photons or electronic-fields, and liquid-crystalline behavior;
- photoluminescent or electroluminescent properties in liquid-crystalline phases; and
- applications using light-emitting liquid crystals.

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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.

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