



*crystals*



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## Photosensitive Liquid Crystals

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Deadline for manuscript submissions:

**closed (28 February 2021)**

### Message from the Guest Editors

Photosensitive materials capable of structural changes upon light irradiation, leading to the modification of their optical properties, have recently been the subject of intensive study due to their immense application potential in non-linear optics and photonics. Particularly, soft self-assembling materials can be utilized in the fabrication of various devices. However, photosensitive liquid crystals represent not only important materials of the current information age, but also a fascinating state of matter which continues to surprise scientists worldwide. From the pool of photosensitive units applied in the design of liquid crystals, the azo group stands out for the distinct conditions of its photoisomerization. Nevertheless, other photosensitive groups can be utilized to design and synthesize functional materials capable of self-assembly modulation on light stimulus.

The aim of this Special Issue is to provide an open platform for fundamental new research on the chemistry, physics, and possible applications of photosensitive 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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