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Recent Progress in Photoresponsive Azopolymers

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Deadline for manuscript submissions:
closed (1 October 2019)

Message from the Guest Editors

Azopolymers combine the physico-chemical properties of macromolecular compounds with the light responsivity of azobenzenes. The photoinduced transformations and motions of the photoresponsive groups of azopolymers result in significant alterations of specific material properties. Authors are invited to submit contributions focused on the synthesis and structure, function, and applications of azopolymers. Suggested themes for this Special Issue include, but are not limited to, the following:

- Advances in the synthesis of azopolymers (main chain and side chain polymers, dendrimers, block copolymers, as well as polymeric networks)
- Red-shifted azobenzene derivatives and polymers
- Photoinduced phase transitions of liquid crystal and amorphous azopolymers
- Recent trends in photonic applications of azopolymers and their photoalignment
- Mechanically responsive, azobenzene-containing soft polymeric systems
- The micellization of azopolymers for encapsulation and controlled release applications

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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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