Light Beams in Liquid Crystals

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Deadline for manuscript submissions:
closed (20 May 2021)

Message from the Guest Editors

This Issue is intended to collect current research on the propagation of optical wavepackets in liquid crystals, in either linear or nonlinear regimes. The papers submitted to this Issue should deal with the physics, mathematics, engineering, or material science involved with the propagation and interaction of optical wavepackets in liquid crystals, that is:

· Structured light beam propagation and evolution;· Optical pulse propagation and evolution;· Nonlinear-nonlocal optics/photonics;· Synergy and competition of nonlinear optical responses;· Beam self-localization and solitary waves;· Pancharatnam–Berry phase and polarization evolution;· Random lasing;· Electro-optical, acousto-optical, thermo-optical, magneto-optical effects with light beams;· Light modulation/switching;· Spontaneous/stimulated symmetry breaking;· Spatio-temporal dynamics;· Guided-wave optics and applications;· Light-induced phase transformations;· Liquid crystal light valves.

mdpi.com/si/66914

Special Issue

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Message from the Editor-in-Chief

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