



Nematic Liquid Crystal

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Nematic liquid crystals are the cornerstone of the liquid crystal display market, being used in twisted nematic, super-twist nematic, in-plane switching and vertically aligned devices, among others. There has always been a desire to improve the performance of the nematic liquid crystal to optimise its functionality and ensure it meets modern device requirements.

There has been a recent resurgence of interest in nematic liquid crystals with the emergence of novel phases with nematic order, and several of these have shown interesting electro-optical behaviour. These new phases include the nematic twist-bend phase and the splay nematic phase (ferroelectric nematic). This Special Issue celebrates these novel nematic phases and the pursuit of new and interesting behaviours that continue to keep the nematic phase at the forefront of leading-edge liquid crystal research.

Dr. Stephen J. Cowling
Guest Editor





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Message from the Editor-in-Chief

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