

## Special Issue

# Advances in Liquid Crystal Nanomaterials

### Message from the Guest Editors

Self-assembling organic materials showing liquid crystalline behaviour represent soft matter with unique properties. They are extremely promising anisotropic media for the design of nanocomposite systems. The main motivation for introducing nanoparticles in liquid crystalline matrices is usually to improve their optical and electro-optical or magneto-optical properties as well as to create new materials. The dispersion of guest particles in a liquid crystalline medium has been an active area of research for four decades. There has been a continuously growing interest in this area of research over the last 10 years, and a number of interesting phenomena have been demonstrated.

This Special Issue is a timely approach to survey the recent progress in the field of liquid crystal-based nanomaterials and their applications. As such, this Special Issue offers a unique insight into what has been achieved and what remains to be explored in liquid crystal nanomaterials.

Dr. Sergii Burylov

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### Guest Editors

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### Deadline for manuscript submissions

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## Materials

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*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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