

Special Issue

Advances in Liquid Crystalline Materials—Beyond the Visible

Message from the Guest Editor

Liquid crystalline (LC) materials originate from the visible range of electromagnetic radiation. They have been designed and tailored for display and nondisplay applications for this spectral region. The long supremacy of the visible spectral range is strongly imprinted on LC molecular design and, consequently, the new molecular design paradigm very slowly developing. The process of going beyond the visible range is important for LC materials, since each spectral range has its own optimal parameters and molecular requirements and limitations. Such novel tailored liquid crystals are very promising and allow them to gain technological and functional advantages compared with other materials. The goal of this Special Issue is to bring together the current research of chemists, physicists, material scientists, and chemical engineers who are working in any of the broad range of topics mentioned above. It is my pleasure to invite authors to contribute original research articles, reviews, short communications, and concept papers to this Special Issue.

Guest Editor

Prof. Dr. Przemysław Kula

Faculty of Advanced Materials and Chemistry, Military University of Technology, Warsaw, Poland

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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