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Advanced Materials for Optical Applications and Devices

Guest Editor:

Dr. Hélène Serier-Brault
Universite de Nantes, Nantes, France

Deadline for manuscript submissions:
closed (20 July 2022)

Message from the Guest Editor

This Special Issue "Advanced Materials for Optical Applications and Devices" provides an overview of the latest research and development in optical materials and devices.

Optical materials are inorganic, organic, or hybrid materials substances used to manipulate the flow of light for various applications such as pigments, phosphors, thermochromic materials, laser, photovoltaic devices, thermometry, chemical sensing, up-conversion, etc. All of these applications require a full understanding of the interaction between light and matter in order to develop original and relevant properties and increase our research knowledge.

The Special Issue "Advanced Materials for Optical Applications and devices" will be devoted to research on new relevant optical materials: from synthesis, structure, and properties to their potential optical applications. Consequently, original research papers, communications, or review articles in these areas are cordially invited.

- inorganic materials
- organic–inorganic hybrid materials
- optical properties
- luminescence
- phosphorescence
- photochromism
- photovoltaics
- thermochromism
- optoelectronics
- plasmonics

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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

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.

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Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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