Special Issue

Advances in Chiral Electronics, Optoelectronics and Photonics

Message from the Guest Editors

Dear Colleagues

Over the years, many research groups have devoted their efforts in preparing chiral molecular systems endowed with remarkable properties that, in turn, further promote their related applications in biology, medicine, bio-recognition, energy, nano-technology, etc.

More recently, the possibility of employing chiral molecules and their supramolecular assemblies in (opto)electronic or photonic devices has started to be explored and is now a steadily growing field.

Despite the field's recent great progress, many challenges still remain open, e.g., in the designing of chiral compounds and chiral supramolecular assemblies, in elucidating the relationship between chiroptical activity and device architectures, and in optimizing the performance of chiral devices.

This Special Issue aims to cover the most recent advances in the field of chiral electronics, optoelectronics, and photonics based on chiral organic, inorganic, and metalorganic materials from their design to application.

We hope for this Special Issue to raise interest and stimulate the debate among scientists working in this exciting field, and we look forward to receiving your submissions.

Guest Editors

Dr. Umberto Giovanella

Institute of Chemical Sciences and Technologies "Giulio Natta" (SCITEC), Italian National Research Council (CNR), Milan, Italy

Dr. Francesco Zinna

Department of Chemistry and Industrial Chemistry, University of Pisa, Pisa, Italy

Deadline for manuscript submissions

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

mdpi.com/journal/materials

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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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