Special Issue

Organic-Semiconductor Based Devices

Message from the Guest Editor

Organic electronics is still a very new interdisciplinary field of physics, chemistry, and electronics that offers new applications due to the almost unlimited variability of organic materials, low-cost fabrication, suitable electrical properties, mechanical flexibility, and optical transparency. Nowadays, organic electronics is present mostly in OLED displays, however our aim should be to find more common applications such as healthcare, photovoltaics, sensors, and low-power systems to improve the quality of life of human society by enabling high-end devices for everyone.

It is our pleasure to invite you to submit a manuscript covering the following topics:

- Challenges in the design, synthesis, and processing of organic materials
- Molecular order, defects, and interfaces including nanocomposites
- Characterization techniques for organic semiconductors and organic electronic devices
- Organic materials for energy harvesting
- Organic light-emitting diodes (OLEDs)
- Organic spintronics
- Organic sensors and biosensors
- Integration and technology for large areas and flexible electronics

Guest Editor

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Deadline for manuscript submissions

closed (31 October 2021)

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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.

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