







an Open Access Journal by MDPI

Innovations in Semiconducting Block Copolymers

Guest Editors:

Dr. Francesca Villafiorita-Monteleone

Istituto di Scienze e Tecnologie Chimiche "Giulio Natta", Consiglio Nazionale delle Ricerche-CNR, 20133 Milano, Italy

Dr. Stefania Zappia

Istituto di Scienze e Tecnologie Chimiche "Giulio Natta", Consiglio Nazionale delle Ricerche-CNR, 20133 Milano, Italy

Deadline for manuscript submissions:

closed (20 March 2024)

Message from the Guest Editors

Dear Colleagues,

In recent years, we have witnessed an increased interest in block copolymers as a key material for the production of thin-film intricate architecture. In semiconducting block copolymers with specific electronic, morphological and mechanical properties have attracted the attention of many researchers for the development of innovative applications in various fields bioelectronics, organic photovoltaics (OPVs), biomedical sensors and devices and photocatalysis).

The current Special Issue aims to address all aspects regarding the synthesis, characterization and application of these versatile materials in the field, with a special focus on the realization of nanostructured innovative architecture for the production of advanced devices suitable for applications in different and distinctive fields.

We cordially invite you to submit your contribution to this Special Issue of which the topics include, but are not limited to, the following areas:

- The production of nanostructured materials;
- The advanced characterization of semiconducting active materials;
- Block copolymer self-assembly;
- The synthesis and characterization of polymer nanoparticles













an Open Access Journal by MDPI

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, OC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The iournal covers twenty-five comprehensive biomaterials, energy materials, advanced composites. advanced materials characterization, porous materials, manufacturing processes and svstems. 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases

Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

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