Conductive Polymers: Materials and Applications

Guest Editor:

Assoc. Prof. Dr. César Quijada
cquijada@txp.upv.es

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Message from the Guest Editor

This Special Issue is intended to cover the latest advances and developments in the synthesis, characterization, structure-properties relationship and applications of electrically conducting polymers, with particular attention to the role of nanosized shape and the properties of novel CP-inorganic hybrid composite nanostructures. Topics including, but not limiting to, synthesis, characterization and properties study of new conducting polymers from novel functionalized monomer derivatives, development of methods for controlled growth of nanostructures (interfacial, micellar, templated, molecularly imprinted or other structure-directing polymerization), novel hybrid CP composite nanoarchitectures with metal oxide nanoparticles, carbon materials or clays and applications of the above materials in the fields of optoelectronics, energy production and storage, environment, sensing, and so on, are all welcome.

It is my pleasure to invite you to contribute to this Special Issue. Original, high-quality research articles and reviews are encouraged for submission.
Editor-in-Chief

Prof. Dr. Maryam Tabrizian
Professor of Biomedical Engineering, Professor of Bioengineering, Professor of Experimental Surgery, Associate Dean—Research and Graduate Studies, Department of Biomedical Engineering, Faculty of Medicine/Faculty of Dentistry, Duff Medical Science Building, Room 313, 3775 University Street, Montreal, QC, H3A 2B4, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers fourteen comprehensive topics: Biomaterials; Energy Materials; Composites; Structure Analysis; Porous Materials; Manufacturing Processes; Advanced Nanomaterials; Smart Materials; Thin Films; Catalytic Materials; Carbon Materials; Materials Chemistry; Materials Physics; Optics and Photonics; Corrosion; Building Materials. The distinguished and dedicated editorial board and our strict peer-review process ensure the highest degree of scientific rigor and review of all published articles.

Materials provides an unique opportunity to contribute high quality articles and to take advantage of its large readership.

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Contact Us

Materials
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland
Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
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