Special Issue

Advances in Organic Bioelectronic Materials and Devices

Message from the Guest Editors

We are currently witnessing a massive development of bioelectronic devices based on organic, biocompatible functional materials, which are at the cutting edge of technological solutions able to promote an efficient interfacing between the biological world and electronics.

This Special Issue is meant to be a collection of studies describing recent advances and achievements in Organic Bioelectronics. The presented articles and communications will cover various topics, including materials preparation and engineering, design, manufacturing, and modeling of bioelectronic devices and interfaces, optical biosensors, bioelectrodes, lab-on-chip platforms, electrochemical methods in bioelectronics, 3D printed bioelectronic devices, neuromorphic devices, and so on. Review articles addressing new possible strategies, enlightening novel perspectives, and expanding beyond a mere summary of facts, are also welcomed.

Guest Editors

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closed (30 June 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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