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Advanced Nanomaterials for Electronic and Photonic Applications

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Deadline for manuscript submissions:
closed (10 December 2021)

Message from the Guest Editors

Dear Colleagues,

The aim of Special Issue "Advanced Nanomaterials for Electronic and Photonic Applications" is to present the most recent advances in the field of nanomaterials, as well as the devices developed for novel electronic and photonic applications. It covers several chemical or physical fabrication approaches, varying from simple, low-cost green chemistry approaches and biobased protocols, to 3D printing and more accurate and sophisticated techniques. These techiques are adapted for the treatment of polymers, dielectris, semiconductors, metals, and thin films in order to synthesize advanced nanomaterials and devices, operating in a wide range of frequencies, from microwaves to optics. This provides a very broad range of applications, from everyday use, such as microelectronic devices for antennas, waveguides, adaptors, modulators, filters, electromagnetic and thermal shields, smart phones, and computing devices, to laser componets, photovoltaic cells, sensors, and devices for medical applications.

It is our pleasure to invite you to submit review articles, regular research papers, and short communications for this Special Issue.

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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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