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Thin Films, Nanostructures and Devices for Optoelectronics Applications

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Message from the Guest Editors

Dear Colleagues,

Optoelectronics is an emerging technology field that includes image pick-up devices, LEDs and elements, information displays, optical storage, remote sensing systems, and optical communication systems. Optoelectronics significantly contributes to the development of the information industry, and to the medical, communications, aerospace, and defense sectors.

This Special Issue is focused on all types of materials (inorganic, organic, hybrid, thin films, artificial structures, nanocomposites, nanostructures) and focuses on (but is not limited to) the following topics:

- Processing methods and technologies for thin films, nanostructures, and devices for optoelectronics;
- Structural and functional characterization studies;
- Theoretical models and simulations for material electronic structures, and for phenomena observed in materials and devices;
- Optoelectronic and photonic device applications.



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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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