

Special Issue

Structural, Morphological, and Optical Properties of Functional Thin Films

Message from the Guest Editors

Thin films based on new metal oxides, nanoparticles or 2D structures evolved fast, materials for sensors, doping sensors, polymer assisted or different polymer composites and nanocomposites for multifunctional structures, allowed a wide spectrum of use in applications from quantum effects to sensing, actuators, photovoltaics, plasmon assisted process, new target materials for PLD process able to offer tailored properties, advanced materials for biomedical applications, lab on chip applications, high secure inscription process, superconductive materials, semiconductors, self-assembling using block copolymers, porous structures and many others. Such materials due their outstanding properties can bring advances in electronics, biochemistry, environmental sciences, energy, biomedicine, automotive, aerospace (but limited to), by integrating different materials and components with the processing technology. The special issue should be focused also on the physical and chemical absorbance of the toxic gases on the surface and the modification of the surface.

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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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