Special Issue

Size-Dependent Effects in Materials for Environmental Protection and Energy Application

Message from the Guest Editors

The concept of size-dependent material properties becomes dominant in the materials science community. Understanding the size-dependent properties of materials is the most challenging issue in the advanced Materials science. To a great extent this is a result of the technological requirements concerning the development of materials with controlled properties, as well as of the recent progress in materials science, nanotechnology and computational chemistry. The aim of this Special Issue is to discuss the dimensional effects in materials for environmental protection and clean energy production as an innovative approach for the development of innovative materials with improved properties. The Special Issue will comprise (but is not limited to) the following three main classes of advanced inorganic materials that form the basis of modern technologies:

- Materials and thin films for environmental protection;
- Materials for clean energy storage;
- Ceramics/Bioceramics and Glasses for Better Living (with applications in optics, molecular electronics and medicine).

Guest Editors

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Prof. Dr. Albena Bachvarova-Nedelcheva

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Message from the Editorial Board

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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