Special Issue

Advances in Synthesis, Properties and Application of Nanomaterials

Message from the Guest Editor

Advancing technology goes hand in hand with advancing materials. Over the past two or three decades, nanomaterials have proven to be a pathway to new technologies. This journey begins with advances in the synthesis of new nanomaterials or more efficient processes for their production. This is followed by characterization of their properties, because advances in materials synthesis don't necessarily produce nanomaterials with the desired properties and, in some cases, negatively affect their properties. The final step in the journey is demonstrating that the material's properties lead to new or superior performance in one or more applications. Therefore, this Special Issue is seeking to publish studies that address the synthesis of materials and characterization of their physical properties in addition to demonstrating their usefulness in an application. Examples of applications include, but are not restricted to, catalysis, electronics, sensors, optics and mechanics.

Guest Editor

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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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