Special Issue

Nanofluids: From Fundamental Sciences to Applications

Message from the Guest Editor

Nanofluids (suspensions of particles with at least one dimension of the order of nanometers) have become interesting nanomaterials and have found numerous applications. However, one must note that the fundamental mechanisms determining the physical and chemical properties of this group of materials are still not well understood. This Special Issue of *Materials* will connect research on the fundamental mechanisms and properties of nanofluids and possible applications of these innovative nanomaterials. Papers submitted to this Special Issue should deal with one (or more) of the listed topics:

- detailed experimental and/or theoretical determinations of the fundamental physical and/or chemical properties of nanofluids,
- theoretical and empirical models of nanofluid properties,
- broad or sophisticated possible applications of nanofluids in industry and medicine.

I hope that the articles presented in this Special Issue will strengthen the bonds between basic research in the field of nanofluids and their potential uses. All types of papers, including short communications, full papers, and reviews are very welcome.

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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