Special Issue

Physico-Chemical Analysis of Engineered Nanomaterials

Message from the Guest Editors

In the last few years, the need for raw materials with specific characteristics in industries has sharply increased. To satisfy this demand, research related to the development and characterization of new materials and the identification of new applications for existing materials bloomed. In this sense, engineered nanomaterials have been put in the spotlight as they have outstanding structural and functional features. The characterization of nanomaterials is an important step in determining their structure, properties, and potential applications. The physico-chemical characterization methods are excellent tools to explore the composition, purity, structure, stability, particle shape, size, size distribution, surface properties, chemical and thermal behavior, and dielectric, magnetic, or optical properties.

This Special Issue will gather information on the application of different physico-chemical characterization methods in the development of new engineered nanomaterials or the identification of new properties of existing materials. Full papers, communications, and reviews are all welcome.

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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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