Special Issue

Study on Synthesis and Properties of Metal-Containing Matrix Polymer Composites

Message from the Guest Editor

As you know, one of the key objects in modern technologies are composite materials or simply composites, which are used in various fields of science and technology. The following main types of composites can be distinguished by the nature of the matrix, namely, polymer, metal, and ceramic. Among them, the most diverse and common are polymer composites. Appearance in the 21st century new, previously unknown direction in Materials Science, namely nanoscience/nanotechnology, gave a new impetus to the creation and use of polymer composites based on the achievements of this specific field. Against this background, it is worth highlighting matrix systems where micro- or nanoparticles of metal-containing chemicals (elemental metals, metal complexes, organometallic compounds, etc.) are used as a filler – Metal-Containing Matrix Polymer Composites. Currently, there are a number of works that testify to the very significant prospects for the use of such objects. This Special Issue of Materials is designed to at least to some extent contribute to the development of this very direction.

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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