Special Issue

Advances in Modern Amorphous Materials, Polymers, Geopolymers, Composites

Message from the Guest Editors

This Special Issue is devoted to modern amorphous and nanocrystalline alloys, their properties, processing, and manufacturing methods. Amorphous alloys have been known for several decades. Originally, they were produced only in the form of thin ribbons and layers. Over the years, amorphous alloys have become one of the most important research areas in the field of materials science. Many new production methods have been developed which make it possible to obtain samples with a diameter of several centimeters. One of the directions of development of these materials is the thermal treatment of amorphous precursors. A properly designed annealing process enables the production of partially crystalline alloys, so-called nanocrystalline alloys. These materials are characterized by unique magnetic and mechanical properties. Alloys based on zirconium, titanium, and iron are particular interest. These materials are of great interest due to the possibility of their practical application. The aim of this issue is to present the latest developments in the field of amorphous and nanocrystalline alloys. It is our pleasure to invite the submission of manuscripts for this Special Issue.

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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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