Special Issue

Smart Fabrics and Intelligent Textiles

Message from the Guest Editors

We live in times of knowledge-based society that, on the one hand, is focused on acquiring new skills, and, on the other hand, knows how to use them. We can operate in an innovative way thanks to the appropriate theoretical knowledge and practice of applying it. A combination of those two factors coming from various scientific disciplines has led to the creation of smart fabrics and intelligent textiles that are of particular importance for human beings due to the presence of textiles in our everyday lives. They can monitor our physiological parameters, indicate any disruptions, malfunctions, or exceedance of the accepted limit values in our environment, generate electricity, adjust to our needs, as well as acting as an aesthetic element. Such a wide scope of potential additional functions have led to smart fabrics and intelligent textiles replacing traditional textile products in various areas of our life. As in any field of science, it is important to exchange and update knowledge in the area of conducted research.

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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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