Special Issue

Advances in Multifunctional Textiles Materials Technologies and Production Processes (2nd Edition)

Message from the Guest Editor

Modern textiles have to face increasing development challenges to meet the criteria of sustainable development and fulfil highly technical, legal, and specific requirements. On the modern market, there is a growing demand for textiles presenting a multifunctional nature, which delivers more than one functionality apart from its primary function. For the production of multifunctional textiles, novel materials and technologies are being conceived and developed. Numerous methods involve the application of new raw materials, adding nanoadditives modifying the fiber-forming polymers, grafting functional groups onto a polymer substrate, applying enzymes, cyclodextrines, and coating, using plasma, or loading various functional materials via micro- and nanoencapsulation, among others. This Special Issue will compile the latest developments and innovations in the field of multifunctional textiles. The papers presented in this Special Issue will cover various topics connected with innovative materials, applied technologies, and production processes. It is my honor and pleasure to invite you to submit a manuscript to this Special Issue.

Guest Editor

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Deadline for manuscript submissions

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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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