Special Issue

Textile-Based Advanced Materials: Construction, Properties and Applications

Message from the Guest Editors

The field of textiles is not limited only to apparel and fashion, and has applications in many more areas. The sector possesses an array of technologies to physically engineer fibrous materials into structures; to combine disparate materials to create hybrids, composites and blends; and for their chemical treatment. The results find applications in such diverse areas as medicine, physical well-being, sports, smart materials, engineering, energy storage, etc. This Special Issue focuses on such areas. The scope includes methods of construction, chemical processing, property characterizations and validation tests in targeted applications. We welcome both review and experimental articles on the topic.

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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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