Special Issue

Properties of Textiles and Fabrics and Their Processing

Message from the Guest Editor

Dear colleagues,

Various types of textile materials, such as fibers, yarns, nonwoven materials and fabrics, and even fiber-reinforced composites, have been used as clothing materials worn by human beings and as modern engineering materials in different industrial fields. The aim of this SI (Special Issue) is to present and understand recent, advanced new technologies by investigating developing trends in advanced textile materials, the improvement of their properties, and new processes. In-depth observations related to the processing and properties of textiles and fabrics are needed for practical applications of this newly developed technology in commercialized fields through mutual communication with all scientists in this area. In particular, through this SI, in-depth consideration will be bridged with new research areas conducted in the near future, i.e., digital transformation in the development of new fabrics; AI-aided design technology; and the application and development of IoT and RAIN RFID in the textile industry.

Guest Editor

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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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