Special Issue

Advances in the Sustainable Fabrication of Smart and Functional Textiles

Message from the Guest Editors

Textiles are an indispensible part of our daily life. In the recent decade, tremendous achievements on smart and functional textiles have been made to meet the fast-growing and diversifying demands of customers. On the other hand, the increasing pursuit of compatibility between environmental and economic interests is also driving the conventional one, upgrading towards the next-generation of sustainable textile industry. Fortunately, novel materials and techniques are continuously being incorporated into textile processing. However, the textile treatment mechanism at each particular circumstance, and how to further enhance the processing sustainabiliy and the textile performance by using these new strategies, are not sufficiently investigated at present. This Special Issue aims to include but not be limited to the recent advances in application or theoretical studies for the pretreatment, dyeing, printing, and finishing of textile materials.

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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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