Novel Wearable E-textile Technologies

Message from the Guest Editors

The history of clothing has directly been linked with textile technology since the dawn of civilizations and culture. Environmental protection, social issues, and cultural symbolism have been the main aims in terms of developing new materials and textile techniques with regard to human outfits. Since the 1990s, electronic textiles (e-textiles) have been introduced as emerging concepts in order to enable humans' garments to interact with the technological anthropic surroundings. Those intelligent-application textiles have been called e-garments or smart textiles, and they can potentially be applied to many application areas, such as healthcare, sports, emergency and law enforcement workers, electromagnetic hazardous environment workers, military, space, casual daily clothes, and fashion.

This Special Issue aims to publish new and novel research work focusing on new advances on e-textile technologies. Major subtopics include fundamental or applied research into materials, fabrication, processes, and wearable applications. These can be considered in relation to design computational simulation, experimental characterization, and modelling.

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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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