Special Issue

Nanotechnologies for Leather Manufacturing

Message from the Guest Editors

Recently, increasing interests have been directed towards incorporating nanotechnologies into leather and synthetic leather manufacturing, which offers new approaches, methodologies, and cost-effective improvements in leather performances, as well as enabling the industry to meet stricter legislation regarding environmental safety. In order to guide the leather and synthetic leather technologists and chemists worldwide, this Special Issue is aimed at the research progress related to existing nanotechnologies in leather or synthetic leather manufacturing processes, including tanning, re-tanning, coating, and effluent treatment, etc. The emphasis includes the preparation of nano-based materials, the mechanism of nanotechnologies changing conventional processes, improving performances of the resultant leather, and the possible obstacles retarding the technical development, as well as the potential health and environment risks associated with the incorporation of nanotechnologies.

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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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