







an Open Access Journal by MDPI

Nanotechnologies for Leather Manufacturing

Guest Editors:

Prof. Dr. Haojun Fan

College of Biomass Science and Engineering, Key Laboratory of Leather Chemistry and Engineering of Ministry of Education, National Engineering Research Center of Clean Technology in Leather Industry, State Key Laboratory of Polymer Materials Engineering, Sichuan University, Chengdu 610065, China

Prof. Dr. Yi Chen

Key Laboratory of Leather Chemistry and Engineering of Ministry of Education, National Engineering Research Center of Clean Technology in Leather Industry, State Key Laboratory of Polymer Materials Engineering, Sichuan University, Chengdu 610065, China

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 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.

Deadline for manuscript submissions:

closed (20 August 2022)



Specialsue









an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The iournal covers twenty-five comprehensive biomaterials, energy materials, advanced composites. advanced materials characterization, porous materials, manufacturing processes and systems. 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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us