Special Issue

Development of Advanced Materials and Technologies for Leather and By-Products Processing

Message from the Guest Editors

Leather processing needs knowledge of physics, chemistry, and biology and, even now, we are still far from a deep understanding of the physical–chemical behavior of this complex matrix of fibrous collagen and interactions of these materials. Modern investigation techniques, such as X-ray, neutron scattering, and proteomics, were used to define a pattern of collagen interaction with tanning materials in its transit from an easily biodegradable material to a stable and durable product. Scientific contributions to progress in leather processing are welcome in the abovementioned and other areas of research as well as for reclaiming leather industry byproducts:

- Fundamental knowledge of hide and skin collagen;
- Ecological processing of hides and skins;
- Advanced materials and bioproducts for leather processing;
- Reclaiming of leather industry byproducts in a circular economy;
- Analytical tools for leather knowledge advances;
- Biotechnologies and biomaterials related to leather processing.

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Deadline for manuscript submissions

closed (20 August 2023)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

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Message from the Editor-in-Chief

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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