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Innovative Processes for Sustainable Leather Production

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Message from the Guest Editor

Sustainability is a key factor for the viability of the leather industry. This Special Issue aims to compile recent developments of innovative processes for sustainable leather production.

The articles will cover various topics aiming to reduce leather's environmental footprint at different stages of its life cycle, ranging from but not limited to product innovation based on new molecules and technologies for metal-free tanning systems, biobased ingredients, ionic liquids, and waterborne dyeing.

The articles also cover innovative technologies to provide leather with multifunctional properties (waterproof, fire resistance, biocidal, etc.).

Furthermore, the new paradigm requires the implementation of industry 4.0 processes and methodologies for leather processing, such as approaches aimed at implementing process automation, remote control, and smart technologies to optimise the production process.

Moreover, research in this SI covers technologies aimed at increasing transparency in the leather supply chain.

Finally, new characterisation techniques and product environmental assessments will be addressed.

It's my pleasure to invite you to submit a manuscript for this SI of Materials.



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Special Issue



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Message from the Editor-in-Chief

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