Special Issue

Fibrous Materials and the Environment: Current Challenges and Opportunities

Message from the Guest Editors

The 2nd International FibEnTech Congress (FibEnTech 2027) has a distinct interdisciplinary profile, bringing together in a single scientific forum the following topics: advanced fibrous materials; smart materials and wearables; green composites; design and fashion; sustainability and circular economy; environmental technologies; digitalization, artificial intelligence and modelling.

This Special Issue covers advanced fibrous materials, including technical and functional fibres, nanofibers, nanostructured materials, cellulose-based materials, and hybrid systems; smart materials and wearables; e-textiles, integrated sensors and health-monitoring applications; green composites; sustainable fashion and innovative design; circular economy strategies, recycling, eco-design, life cycle assessment and biodegradable materials; artificial intelligence, digitalization, and modelling and simulation of fibrous materials and processes.

We particularly welcome high-quality papers and contributions presented at the 2nd International FibEnTech Congress. Original research articles and comprehensive review papers that align with the scope of this Special Issue are also welcome.

Guest Editors

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Message from the Editor-in-Chief

Editor-in-Chief

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 28.2 days after submission; acceptance to publication is undertaken in 4.8 days (median values for papers published in this journal in the first half of 2026).

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