

Special Issue

Reinventing Textiles: The Intersection of Biology, Technology, and Design

Message from the Guest Editor

Future threads of textile innovation embrace the reinvention of textiles through the intersection of biology, technology, and design. Biodesign in textile innovation combines principles from biology, design, engineering, and technology to create sustainable and innovative solutions for various challenges in the textile industry. This approach explores groundbreaking advancements at the confluence of biological science, cutting-edge technology, and innovative design for novel textile product development. The interdisciplinary field of biodesign delves into several key aspects:

- Sustainable Materials
- Biomimicry
- Biofabrication
- Interdisciplinary Collaboration
- Environmental Impact
- Health and Wellbeing
- Ethical Considerations

Guest Editor

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closed (31 October 2025)



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About the Journal

Message from the Editor-in-Chief

Textiles (ISSN 2673-7248) is an open access, peer-reviewed scientific journal that publishes research papers, review articles and communications on all perspectives regarding textiles, including science, engineering, design, and business. Our mission is to serve as the premier platform for high-impact research that transforms textile materials and the textile industry for the future. Whether you are developing conductive yarns for smart health monitoring, engineering nonwovens for advanced filtration, or pioneering closed-loop recycling systems for synthetic blends, consider this journal your home.

We invite you to submit your original work spanning all textile-related fields, especially those that explore new functionalities and applications of fiber-based materials and systems, push the boundaries of our knowledge about textiles, and challenge long-held assumptions about textile and apparel manufacturing and business.

Editor-in-Chief

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