

## Special Issue

# Natural Fibers for Advanced Materials: Addressing Challenges

### Message from the Guest Editors

Natural fibers are renewable resources offering sustainable raw materials and eco-friendly fibers for textiles and advanced materials. They outshine synthetic fibers by diminishing reliance on petroleum, cutting carbon footprints, curbing pollution, and promoting a circular economy through biomass or agricultural waste. Despite benefits like abundance and biodegradability, natural fibers are mainly used in breathable clothing, luxury textiles, and ropes, with limited adoption in construction and packaging. Notably, competing synthetic fibers are scarce in these applications. In the broader advanced material spectrum, challenges include uniformity, processing scale, compatibility, strength impacted by biomass growth, moisture absorption, and stability. This Special Issue focuses on recent efforts to tackle these issues, enhancing consistency, utilizing inherent properties, and yielding more reliable materials.

### Guest Editors

Dr. Pratheep Kumar Annamalai

1. School of Agriculture and Food Sustainability, The University of Queensland, Brisbane, QLD 4072, Australia
2. Centre for Future Materials, University of Southern Queensland, Toowoomba, QLD 4350, Australia

Dr. Stuart G. Gordon

Systems Program, CSIRO Agriculture and Food, 671 Sneydes Road, Werribee, VIC 3030, Australia

### Deadline for manuscript submissions

25 May 2025



## Fibers

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*Fibers*

MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[fibers@mdpi.com](mailto:fibers@mdpi.com)

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## About the Journal

### Message from the Editor-in-Chief

*Fibers* is intended as an integrative platform, bringing together specialists with expertise concerning a large range of biological, synthetic, metallic and mineral fibers. The intent is to bring together scientists who would otherwise be unlikely to encounter each other's findings. By facilitating communication across specialties, the journal will advance understanding of the underlying commonality of many physical and chemical aspects of fibers.

We welcome submission of manuscripts from a diverse range of disciplines relating to many types of fibers utilizing a variety of research approaches.

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### Editor-in-Chief

Prof. Dr. Martin J. D. Clift

In Vitro Toxicology Group, Institute of Life Sciences 1, Swansea University Medical School (SUMS), Swansea SA2 8PP, Wales, UK

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### Author Benefits

#### High Visibility:

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#### Journal Rank:

JCR - Q2 (Materials Science, Multidisciplinary) / CiteScore - Q1 (Civil and Structural Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.3 days after submission; acceptance to publication is undertaken in 4.8 days (median values for papers published in this journal in the second half of 2024).