Special Issue

Nanofibrous Yarns and Nanotextiles for Biomedical Application

Message from the Guest Editor

There is a growing interest in the field of medical textile technology with nanofibers. The enormous surface-to-volume ratio of medical nanotextiles enhances the biological interaction and provides numerous functional features which have never been explored before. The nanoscale properties of nanofibers and enhanced mechanical properties enable us to fabricate next-generation scaffolds for regenerative medicine. Topics:
1) Nanotextiles for biomedical application;
2) Nano/microfibrous yarns for biomedical application;
3) Flexible, wearable fabrics for next-generation sensors;
4) Nanotextiles for drug delivery applications;
5) Nanotextiles for regenerative medicine.

Guest Editor

Dr. John Joseph
Center for Biomedical Innovation, Massachusetts Institute of Technology, Cambridge, MA 02139-4307, USA

Deadline for manuscript submissions

closed (30 June 2024)

Fibers

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 7.4

mdpi.com/si/138064

Fibers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
fibers@mdpi.com

mdpi.com/journal/fibers

Fibers

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 7.4

mdpi.com/journal/fibers

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.

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

Author Benefits

High Visibility:

indexed within Scopus, ESCI (Web of Science), Ei Compendex, PubAg, CAPlus / SciFinder, Inspec, and other databases.

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 23.3 days after submission; acceptance to publication is undertaken in 5.8 days (median values for papers published in this journal in the first half of 2025).

MDPI