fibers

an Open Access Journal by MDPI

IMPACT FACTOR 4.0

CITESCORE 7.0

Carbon Fibers from Sustainable Precursors

Guest Editor:

Dr. Radu Dorin Andrei
National Research and Development Institute for Cryogenics and Isotopic Technologies, ICSI Energy, 240050 Ramnicu Valcea, Romania

Deadline for manuscript submissions:
closed (31 January 2023)

Message from the Guest Editor

Dear Colleagues,

The large-scale industry of carbon fiber has evolved in recent years in more and more fields, such as aerospace, military, medical, automobile, supporting goods and so on. This huge interest arises from their extraordinary properties like, good mechanical strength, good electrical and thermal conductivities, great chemical stability, etc. In recent years, the use of these fibers has become increasingly attractive in the energy field as they are raw materials for the production of windmill blades, for the storage of natural gas and fuel cells for transport. Nowadays, the main source of these fibers production is represented by the electrospinning process of polyacrylonitrile (PAN). With this in mind, it will be very interesting to direct fiber production to sustainable precursors. The most widespread renewable resource in the world is the biomass. Consequently, there are considerable volumes of sustainable biomass (meaning low costs production) which can lead to the obtaining of carbon fiber.

fibers

an Open Access Journal by MDPI

IMPACT FACTOR 4.0

CITESCORE 7.0

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

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), PubAg, CAPlus / SciFinder, Inspec, and other databases.
Journal Rank: JCR - Q2 (*Materials Science, Multidisciplinary*) / CiteScore - Q1 (Civil and Structural Engineering)

Contact Us

Fibers Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/fibers
fibers@mdpi.com
𝕏@JFibers