



## Sustainable Precursors, Additives and Approaches for Carbon Fibers

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Deadline for manuscript  
submissions:

**closed (27 August 2021)**

### Message from the Guest Editors

Dear Colleagues,

In the recent decades, there has been a renewed research interest in the use of bio-based or renewable precursors such as rayon, bio-acrylonitrile, and lignin, and of low-cost synthetic precursors such as polyethylene. On the other hand, significant research efforts have also been addressed towards reducing the energy costs or production costs in a number of ways, including the optimization of fiber processing conditions, the tailoring of PAN comonomer compositions, and the synthesis of high-molecular-weight PAN by reversible addition-fragmentation chain-transfer (RAFT) polymerization.

This Special Issue of *Fibers* intends to cover recent advances in renewable or sustainable precursors for carbon fibers and solicits contributions from researchers active in reducing the energy requirements in the stabilization and carbonization stages and in optimizing alternative, cost-effective precursors and the use of nanoadditives in carbon fiber manufacturing.

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## 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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