

## Special Issue

# Structural Design and Mechanical Properties of Fiber Composites (Second Edition)

### Message from the Guest Editors

This Special Issue of *Materials* is devoted to “Structural Design and Mechanical Properties of Fiber Composites” to develop structural applications for textile fiber composite materials, fundamental approaches for analysis and design for tensile, shear, and flexural design are needed; the nature of fiber composite materials, the conventional fibers and nanoscale fiber composite lie in chemistry and physics in fibers and textiles, high-performance fibers and composites, carbon nanotube fibers and graphene fibers, multifunctional and multi-material fibers, environmentally friendly fibers, and fiber-related materials. This Special Issue aims to encourage the exchange of ideas among material scientists, energy/environmental/biomedical researchers, engineers, and other researchers who are active at the frontiers of all fiber-related fields. The latest knowledge on advances in theoretical, experimental, and structural design and analysis of fiber composites is also welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 May 2026)



## Materials

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### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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