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Advances in Experimental Investigation and Computational Modeling of Fiber Reinforced Polymers and Composites

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Deadline for manuscript submissions:
closed (10 June 2025)

Message from the Guest Editors

Dear Colleagues,

Owing to their excellent strength-to-weight ratio, fiber-reinforced polymers and composites have received significant attention in different applications, e.g., automotive, marine, aerospace and construction. This Special Issue of *Materials* is dedicated to the recent advances in the experimental investigation and computational modeling of fiber-reinforced polymers and composites. We are expecting to receive papers dealing with cutting-edge issues on the research and application of polymers and composites containing internal fibers in different applications.The topics included in this Special Issue include but are not limited to the mechanical, durability, thermal, fire microstructural, and long-term properties of the composites manufactured using different types of internal fibers (including recycled, natural and synthetic fibers) and nanomaterials. Both original contributions and reviews are welcome.

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Message from the Editor-in-Chief

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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