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Advanced Functional Polymer-Derived Ceramic Fibers: Preparation, Properties and Applications

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Deadline for manuscript submissions:
closed (31 July 2021)

Message from the Guest Editors

Dear Colleagues,

During the last few decades, high-performance non-oxide ceramics have become of great interest due to their unique and diverse features. Since the polymer-derived ceramics (PDCs) route was set up, new functional ceramics have been designed with a thourough control of the composition and the shape of the materials.

This Special Issue will focus on the various non-oxide polymer-derived ceramic fibers, from elaboration to final use. Major sub-topics include synthesis of the preceramic polymers, and their spinning and thermal treatment behaviors. And, it will assess how designing the molecular architecture, tailoring the chemical composition, rheology, spinnability and pyrolysis performance can influence the functional properties of fibers, together with their potential applications.

It is our pleasure to invite you to submit a manuscript to this Special Issue. Full papers, communications, and reviews are all welcome.

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Prof. Dr. David Cornu
Guest Editors

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Message from the Editor-in-Chief

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