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Spinning and Post-processing of Carbon Nanotube Fibers and Their Applications

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Message from the Guest Editor

Dear Colleagues,

During the last two decades, there have been splendid progresses in the research of CNTFs. Three representative techniques to spin CNTFs were developed in the early 21st century and have been improved competitively. In addition, various post-processing techniques have also been developed to further improve the properties of CNTFs. As a result, the state-of-the-art CNTFs possess mechanical properties comparable to that of commercial carbon fibers. The electrical conductivity and flexibility of CNTFs even outperform carbon fibers, making them versatile in various applications. Accordingly, using the excellent properties of CNTFs, various applications have been successfully demonstrated.

The special issue will comprehensively cover topics related to CNTFs. The topics of interest include, but are not limited to:

- Spinning techniques of carbon nanotube fibers
- Post-processing of carbon nanotube fibers
- Properties of carbon nanotube fibers
- Characterization of carbon nanotube fibers
- Application of carbon nanotube fibers
- Synthesis of carbon nanotubes for fiber applications
- Other macroscopic assemblies of carbon nanotubes



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Message from the Editor-in-Chief

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