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Nanofibers and Their Applications in Energy, Biomedical Engineering, Environmental Engineering, and Sensing

Guest Editor:

Prof. Dr. Evan K. Wujcik

1. Department of Chemical and Biological Engineering, The University of Alabama, Tuscaloosa, AL, USA
2. Department of Civil, Construction, and Environmental Engineering, The University of Alabama, Tuscaloosa, AL, USA
3. Alabama Water Institute, The University of Alabama, Tuscaloosa, AL 35487-0203, USA

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Message from the Guest Editor

Dear Colleagues,

The utilization of nanofibers in technologies for a wide array of applications continues to represent both an important area of fundamental academic interest and commercial research. We invite authors to contribute original research articles or comprehensive review articles covering the most recent progress and new developments in the design and utilization of nanofibers for novel devices and fundamental studies relevant to applications in energy, biomedical engineering, environmental engineering, and sensing. This Special Issue aims to cover a broad range of subjects, from nanofiber synthesis to the design and characterization of nanofiber devices and technologies for a number of applications. The format of welcomed articles includes full papers, communications, and reviews.

- Nanofibers
- Electrospinning
- Wearable sensors
- Textiles engineering
- Tissue engineering
- Nanofiber sensors
- Energy applications
- Environmental applications
- Biomedical applications
- Biomaterials



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Special Issue



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Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

School of Geography, Earth and Environmental Science,
University of Birmingham,
Birmingham B15 2TT, UK

Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal-organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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Nanomaterials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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