Special Issue

Electrospun Nanofibers: From Design to Applications

Message from the Guest Editors

We cordially invite you to contribute to this Special Issue by exchanging your achievements in the research on “Electrospun Nanofibers: From Design to Applications”. The aim of this Special Issue is to publish original research articles in areas related to the development and modification of new nanomaterials as well as recycled nanomaterials and their application possibilities. We welcome review and experimental articles related to various advanced nanomaterials to encourage the dissemination of scientific knowledge through this open-access journal. Some of the potential topics for submissions include, but are not limited to:

- Electrospun nanofibers/mats and their synthesis, characterization, and modification;
- Mechanical design, such as constitutive modeling, stiffness, static strength, fatigue, buckling stability, etc.;
- Advanced equipment for manufacturing of the nanofibers/mats;
- Engineering applications, such as composite nano products, high-performance materials, design and evaluation methods, etc.;
- Thermal degradation of polymeric nanofibers/mats;
- Electrospun nanofibers/mats containing composites.

Guest Editors

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Prof. Dr. Irīna Boiko

Deadline for manuscript submissions

closed (10 May 2025)

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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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