

## Special Issue

# ECM-Mimetic Biomaterials for Tissue Engineering

### Message from the Guest Editors

This Special Issue is dedicated to highlighting cutting-edge advances in the design, fabrication, and functionalization of ECM-mimetic nanofibers that better replicate native tissue microenvironments, with the goal of improving regenerative outcomes. Topics of interest include, but are not limited to, the following research areas:

- Multi-material and hybrid systems that mimic the compositional diversity of the ECM;
- Advanced fabrication techniques enabling control over fiber alignment, porosity, and hierarchical organization;
- Functionalization approaches incorporating bioactive motifs to guide cell adhesion, differentiation, and tissue-specific remodeling;
- Smart scaffolds responsive to physiological stimuli for spatiotemporal delivery of therapeutic agents;
- Other related topics.

We look forward to receiving your contributions to this Special Issue.

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### Guest Editors

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### Deadline for manuscript submissions

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## Materials

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## About the Journal

### 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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### Editor-in-Chief

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