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Cutting-Edge Biomaterials for Tissue Regeneration: Innovations and Clinical Applications

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Message from the Guest Editor

Dear Colleagues,

The field of tissue regeneration has witnessed remarkable progress through the development of advanced biomaterials. This Special Issue of *Materials* will explore the latest breakthroughs in biomaterials specifically designed for tissue regeneration. We welcome submissions that discuss novel materials and their effectiveness in promoting tissue repair and regeneration, including scaffolds, hydrogels, and bioactive composites. Emphasis will be placed on materials that enhance cell proliferation and differentiation, support vascularization, and integrate seamlessly with host tissues. By highlighting pioneering research on innovative biomaterials and their clinical applications, this issue aims to showcase how these materials are revolutionizing regenerative medicine, offering new hope for patients, and advancing healthcare technologies.

Dr. Camelia Ungureanu
Guest Editor

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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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