# Special Issue

# Materials and Technology for Regenerative Medicine

### Message from the Guest Editors

The idea of regenerative medicine requires the conscious use of biological, medical, and material techniques aimed at repairing and restoring normal function of damaged cells or organs, preferably at the site of destruction (in situ). Currently used regenerative medicine strategies are mainly based on induced autoregeneration, somatic cell therapy, and tissue engineering (TE). Wherever there is a need to restore large defects (i.e., critical defects) or to introduce an induced response from the body (induced autoregeneration), biomaterials are used. **Keywords**

- biomimetic materials
- scaffold
- 2D and 3D biomaterials
- bioactivity
- (nano)composite materials
- fibrous materials
- porous materials
- polymer processing
- ceramic technology
- cells-materials interaction
- (bio)degradation
- regenerative process

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### Deadline for manuscript submissions

closed (15 November 2021)

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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.

## Editor-in-Chief

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