

## Special Issue

# Digital Image/Volume Correlation of Biological Tissues and Biomaterials

### Message from the Guest Editor

The use of digital image/volume correlation (DIC/DVC) technology is rapidly growing in the field of bioengineering. In fact, with the rapid development of in vitro/in vivo imaging protocols, DIC/DVC has become a powerful tool to measure 2D-3D full-field displacement/strain in a variety of biological structures ranging from cells to tissues (both soft and hard) to biomaterials such as injectables, 3D printed implants, and scaffolds for tissue engineering. This Special Issue aims to publish a collection of the latest research on the application of DIC/DVC techniques in the field of biological tissues and biomaterials. Topics of interest include (but not restricted to) the following:

- Cells, tissues, and biomaterials;
- Cell/tissue–biomaterial interaction;
- 3D printed and electrospun implants/scaffolds;
- DIC/DVC-informed computational models;
- Clinical imaging;
- Other techniques with the potential to complement, inform, and expand DIC/DVC.

Full papers, communications, and reviews are all welcome.

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### Guest Editor

Prof. Dr. Gianluca Tozzi  
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### Deadline for manuscript submissions

closed (31 December 2020)



## Materials

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### Message from the Editorial Board

*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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