

## Special Issue

# The 15th Anniversary of *Materials*—Recent Advances in Biomaterials

### Message from the Guest Editor

On the occasion of the fifteenth anniversary of *Materials*, the Biomaterials section presents a new Special Issue dedicated to new biomaterials, new biomedical applications of materials used in the human body, and new shaping and characterization techniques. The Biomaterials section is proud to contribute to this anniversary, and, remembering the path taken by *Materials*, we now look to the future. Topics of interest for this Special Issue include new metal alloys with improved properties for specific applications; new ceramics with osteoinductive and bactericidal properties, zirconia-based ceramics with improved toughness, ceramic materials with improved aesthetic properties for the dental sector; new biofunctionalized and degradable bacteriostatic polymers with improved mechanical properties; composite materials with nanomaterial reinforcement particles which are biodegradable, with the optimized orientation of the reinforcement fibers; new material forming methods, improved laser technologies, protrusion systems, directional solidification, 3D printing, and bioprinters. Also, new detection and analysis techniques to determine the properties of biomaterials are also of interest.

### Guest Editor

Prof. Dr. Javier Gil

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### Deadline for manuscript submissions

closed (20 January 2024)



## 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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