







an Open Access Journal by MDPI

# **Electro-Active Scaffolds for Tissue Engineering**

Guest Editors:

## Prof. Dr. Paulo J. Bártolo

Department of Mechanical, Aerospace & Civil Engineering, University of Manchester, Manchester M1 3BB, UK

### Dr. Guilherme Caetano

Postgraduate Program in Biomedical Sciences, Fundação Hermínio Ometto, São Paulo, Brazil

### Dr. Henrique Almeida

School of Technology and Management, Polytechnic Institute of Leiria, Leiria, Portugal

Deadline for manuscript submissions:

closed (30 June 2020)

# **Message from the Guest Editors**

Dear Colleagues,

Scaffolds are physical substrates for cell attachment, proliferation and differentiation, ultimately leading to the regeneration of tissues. They must be biocompatible and biodegradable, have adequate mechanical properties, which depend on the type of tissue, and surface characteristics. Its capacity to stimulate cells is also another important requirement.

It is our pleasure to invite you to submit a manuscript for this Special Issue focusing on materials, processing techniques, computer modelling and simulation and in vitro/in vivo applications of electro-active scaffolds for tissue engineering and regenerative medicine. Full papers, communications and reviews are all welcome.

Prof. Paulo Bártolo Dr. Guilherme Caetano Dr. Henrique Almeida Guest Editors













an Open Access Journal by MDPI

## **Editor-in-Chief**

### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, OC H3A 0C7, Canada

# **Message from the Editor-in-Chief**

Materials (ISSN 1996-1944) was launched in 2008. The iournal covers twenty-five comprehensive biomaterials, energy materials, advanced composites. advanced materials characterization, porous materials, manufacturing processes and systems. 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.

## **Author Benefits**

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases

**Journal Rank:** JCR - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

#### **Contact Us**