



## New Trends in Polymeric Foams

Guest Editors:

**Prof. Dr. Miguel Angel  
Rodríguez-Pérez**

Cellular Materials Laboratory  
(CellMat), Condensed Matter  
Physics Department, Universidad  
de Valladolid, 47011 Valladolid,  
Spain

**Dr. Ester Laguna-Gutierrez**

Cellular Materials Laboratory  
(CellMat Laboratory), Condensed  
Matter Physics Department,  
University of Valladolid,  
Valladolid, Spain

Deadline for manuscript  
submissions:

**closed (15 December 2018)**

### Message from the Guest Editors

Polymeric foams—also known as cellular polymers—are materials of great interest that can be found everywhere in our present world. Their particular structure gives them unique properties that allow a broadening of the range of properties of their solid counterparts. The applications of these foamed materials are thus very extensive. They are of special interest in sectors like construction, automotive, aeronautics, packaging and protection, biotechnology, energy management, etc. Currently, more than 10% of the polymers produced around the world are used to produce polymeric foams.

This Special Issue considers recent research on advanced polymeric foams. Of special interest are the research topics focused on developing new formulations and technologies to produce improved cellular materials, as well as those related to the analysis of the foaming mechanisms by using different conventional and non-conventional experimental techniques.

Prof. Miguel Angel Rodríguez-Pérez

Dr. Ester Laguna-Gutierrez

*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, QC H3A 0C7, Canada

## 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.

## 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

Materials Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)