



## Functional Materials for Cell Modulation

Guest Editors:

### Dr. Andreia Gomes

1. Centre of Molecular and Environmental Biology (CBMA), Aquatic Research Network (ARNET) Associate Laboratory, Universidade do Minho, Campus de Gualtar, 4710-057 Braga, Portugal

2. Institute of Science and Innovation for Sustainability (IB-S), Universidade do Minho, Campus de Gualtar, 4710-057 Braga, Portugal

### Dr. André da Costa

Department of Biology, University of Minho, 4710-057 Braga, Portugal

Deadline for manuscript submissions:

**closed (10 October 2021)**

### Message from the Guest Editors

Dear Colleagues,

There are increasing numbers of (bio)materials suitable for scaffold production. However, many of these materials lack functionality in terms of cell modulation. In recent years, materials have been functionalized with molecules via several methods to improve such activity over cells. Cell adhesion motifs (CAMs) are being used in several materials to promote cell adhesion, proliferation or even differentiation.

The aim of this Special Issue is to attract leading researchers working in the areas of functional materials, using both synthetic or natural-based polymers, functionalized with active molecules with a cell modulation activity, with a biomedical application in mind. The functionalization could be performed by means of several different procedures, such as covalent binding, molecular biology or adsorption. Researchers are welcome to submit contributions reporting on the creation of such materials or addressing a specific therapeutic problem.

Prof. Dr. Andreia Gomes

Dr. André da Costa

Guest Editors





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**  
Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## 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), Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* 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/applsci](http://mdpi.com/journal/applsci)  
[appls@mdpi.com](mailto:appls@mdpi.com)  
[X@Appls](#)