



## **Functional Materials for Additive Manufacturing**

Guest Editor:

**Dr. Gianni Campatelli**

Department of Mechanical  
Engineering and Industrial  
Technologies, University of  
Firenze, Via Santa Marta, 3, 50139  
Firenze, Italy

Deadline for manuscript  
submissions:

**closed (30 September 2022)**

### **Message from the Guest Editor**

Dear Colleagues,

Additive manufacturing (AM) includes different technologies that are changing the approach adopted to produce advanced components in terms of geometrical complexity and material characteristics. One of the frontiers of AM technologies is the possibility of creating functional materials that are specifically designed and synthesized for a specific function and are characterized by a specific morphology and tailored properties.

This Special Issue intends to draw attention to the newest advances in the design and production of functional materials using AM technologies.

The proposed Special Issue particularly fits the following scopes, but is open to related topics:

- Approaches to produce functional materials with different AM technologies.
- Advances in materials to achieve a high-performance functional material.
- Mechanical and metallurgical characteristics of functional materials.
- Application of functional materials and approaches to their design.
- Benefits of the introduction of functional materials in different sectors.
- Environmental impact of functional materials' production and use.
- Testing of functional material applications.





an Open Access Journal by MDPI

## **Editor-in-Chief**

**Prof. Dr. Antonio J. Marques  
Cardoso**

CISE—Electromechatronic  
Systems Research Centre,  
University of Beira Interior,  
Calçada Fonte do Lameiro, P -  
6201-001 Covilhã, Portugal

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

*Machines* is an international, peer reviewed journal on machinery and engineering. It publishes research articles, reviews and communications.

Our aim is to encourage scientists to publish their experimental and theoretical results in as much detail as possible. There is no restriction on the length of the papers. Full experimental and/or methodical details must be provided.

There are, in addition, unique features of this journal: Manuscripts regarding research proposals and research ideas will be particularly welcomed; Electronic files or software regarding the full details of the calculation and experimental procedure - if unable to be published in a normal way can be deposited as supplementary material.

## **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*, and other databases.

**Journal Rank:** JCR - Q2 (*Engineering, Mechanical*)

## **Contact Us**

---

*Machines* 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/machines](http://mdpi.com/journal/machines)  
[machines@mdpi.com](mailto:machines@mdpi.com)  
X@Machines\_MDPI