

## Special Issue

# Additive Manufacturing for Architectural and Structural Design

### Message from the Guest Editors

While additive manufacturing has successfully been employed for some years in advanced industries. For thriving in this sector, with a yearly value of over USD 10 trillion, both profuse fundamental and applied research are still significantly in need. Specifically, materials design—including steel and other alloys manufacturing with a growing number of techniques, concrete 3D printing, new composites, polymers and multimaterial synthesis—but also quality control and testing, design methods, topology optimisation, code development, software development, CAD and BIM integration. This Special Issue is open for research articles, reports and systematic reviews which provide innovative contributions, depict case-studies or consolidate the body of knowledge on how structural and architectural design can evolve to account for AM specificity, challenges and capabilities in the aforementioned topics. Intersectoral works are highly encouraged. Dr. Tiago Pinto Ribeiro

---

### Guest Editors

Dr. Tiago Ribeiro

Dr. Yun-Fei Fu

Dr. Luís Filipe Almeida Bernardo

---

### Deadline for manuscript submissions

closed (15 January 2024)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/85096](https://mdpi.com/si/85096)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/](https://mdpi.com/journal/)

[applsci](https://mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### 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.

---

### Editor-in-Chief

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

---

### 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), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )