

## Special Issue

# Advanced Manufacturing Technologies and Their Applications, Volume II

### Message from the Guest Editor

The manufacturing industry is currently experiencing a worldwide transformation from traditional manufacturing to advanced manufacturing under the 4th Industrial revolution (Industry 4.0), which features Internet-of-Things (IoT) technologies, Big Data Analytics, Cloud Computing, Cyber Security, System Integration, Smart Robotics, Augmented Reality, and Additive Manufacturing and Simulations. This Special Issue is aiming to become a collection of high-quality articles contributed by both practitioners and researchers in the relevant fields of research on advanced manufacturing, from theory to applications. Topics of interest for publication include but are not limited to:

- Additive manufacturing (3D printing) of metals, polymers, ceramics and composites
- Fabrication and evaluation of novel engineering materials
- Advanced sensing technologies for process monitoring and real-time control
- Artificial intelligence, machine learning, and intelligent production systems
- Augmented and virtual reality for manufacturing
- Internet of things (IoT) and big data for manufacturing
- Smart robotics, control, and automation

---

### Guest Editor

Prof. Dr. Richard (Chunhui) Yang

School of Engineering, Design and Built Environment, Western Sydney University, Penrith, NSW 2751, Australia

---

### Deadline for manuscript submissions

closed (30 September 2023)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/100339](https://mdpi.com/si/100339)

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

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

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





# 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, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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