

## Special Issue

# Manufacturing Process of Alloy Materials

### Message from the Guest Editor

The Special Issue, entitled "Manufacturing Process of Alloy Materials", aims to bring together pioneering research and advancements in the field of alloy manufacturing. Modern alloys, including high-entropy alloys, with their unique properties and versatility, are fundamental to various industries, including aerospace, the automotive industry, shipbuilding, ocean engineering, and modern energy technology. This Special Issue seeks to explore novel manufacturing techniques, process optimizations, and the integration of new technologies that enhance the performance, sustainability, and cost-effectiveness of modern alloy materials. By compiling cutting-edge studies and reviews, we aim to provide a comprehensive overview of the current state and future directions of alloy manufacturing, fostering innovation and collaboration within the scientific and industrial communities.

[https://www.mdpi.com/journal/applsci/special\\_issues/0GAL53H8Y1](https://www.mdpi.com/journal/applsci/special_issues/0GAL53H8Y1)

---

### Guest Editor

Prof. Dr. Mohammad Masoumi

Center of Engineering, Modelling and Applied Social Sciences, Federal University of ABC, Santo André 09210-580, Brazil

---

### Deadline for manuscript submissions

closed (10 September 2025)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/227296](https://www.mdpi.com/si/227296)

*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/  
applsci](https://www.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 )