# **Special Issue**

# **Advanced Ti-Based Alloys**

## Message from the Guest Editor

Titanium and Ti-based alloys are widely used in engineering applications such as in the aerospace, biomedical, chemical, and nuclear industries, seeing that they have a high strength-to-weight ratio, excellent corrosion resistance, and negligible biological impact on the human body. In the aerospace field, it is forecasted that the use of Ti-based alloys per plane should increase within the next year due to their high creep and oxidation resistance, good formability, and good strength/density ratio. In the biomedical area, the use of Ti-based alloys will be increasing since they exhibit a slight biological impact on the human body, and human life expectancy is expected to rise rapidly. This Special Issue focuses on the research and development of Tibased alloys and considers a wide range of topics stemming from the design theory of new alloys to applications.

#### **Guest Editor**

Prof. Dr. Claudio Aguilar

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## Deadline for manuscript submissions

closed (30 April 2022)



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## **About the Journal**

## Message from the Editor-in-Chief

Metallic materials play a vital role in the economic life of modern societies; contributions are sought on fresh developments that enhance our understanding of the fundamental aspects related to the relationships between processing, properties and microstructure – disciplines in the metallurgical field ranging from processing, mechanical behavior, phase transitions and microstructural evolution, nanostructures, as well as unique metallic properties – inspire general and scholarly interest among the scientific community.

#### Editor-in-Chief

### Prof. Dr. Yong Zhang

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