

## Special Issue

# Development of the New Alloys and Metallic Composites for Strategic Applications through Additive Manufacturing

### Message from the Guest Editor

Recently, additive manufacturing methods have been developed in different industrial applications. Because of the high production rate and dimensional precision of the final products, these methods are in the spotlight of current materials engineers. Likewise, from the metallurgical insight, additive manufacturing methods are often able to fabricate ultrafine grain materials, thanks to the rapid solidification of molten materials. Considering the abovementioned points, additive manufacturing methods could open a new window for the development of new alloys and composites which might fulfill higher expectations for strategic applications. In this Issue, authors are invited to share their latest achievements in the development of new alloys and composites, namely as metal matrix composites (MMC), Laser clad sheets by additive manufacturing, lamellar composites and functionally graded materials (FGM), made by AM methods and reinforced conventional alloys, through the addition of different elements and compounds, etc.

- additive manufacturing
- selective laser melting
- electron beam melting
- direct energy deposition

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### Guest Editor

Dr. Mohammadreza Jandaghi

DISAT - Department of Applied Science and Technology, Politecnico di Torino, Turin, Italy

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### Deadline for manuscript submissions

closed (15 November 2021)



## Applied Sciences

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

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### 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.

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### Editor-in-Chief

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

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