



## Advances in Alloys and Intermetallic Compounds

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Deadline for manuscript  
submissions:

**closed (31 August 2021)**

### Message from the Guest Editors

Alloys and intermetallic compounds (including hydrides, nitrides, and carbides) represent an important and wide area of scientific interest due to their variety of properties and possible applications. The range of different properties of alloys and intermetallics includes magnetic (type of magnetic order, metamagnetism, magnetocrystalline anisotropy, etc.), mechanical, thermoelectric, optical, and superconducting properties making them suitable for practical applications in the field of energy storage and conversion (metal hydrides (hydrogen storage, battery materials), magnetocaloric effect, thermoelectric effect, etc.) and other applications (magnetic recording, structural applications, catalysis, etc.).

The present Special Issue will include papers on various properties of alloys and intermetallic compounds. It is expected that proposed manuscripts will include experimental approaches (preparation, various characterization methods, etc.), theoretical approaches (density functional theory, interatomic potentials, crystal structure prediction, CALPHAD method, etc.), or a combination of both.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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