



## Light Metal Based Alloys: Fundamentals and Applications

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (30 September 2019)**

### Message from the Guest Editor

Dear Colleagues,

The Special Issue entitled “Light Metal-Based Alloys: Fundamentals and Applications” aims to present an up-to-date overview of recent advances in fundamental aspects and applications of light alloys. Topics concerning metal alloys based on aluminum, magnesium and titanium will be considered, as well as fundamentals and applications of beryllium alloys, which are becoming of interest to the aerospace and nuclear industry. Novel materials and processing methods, fabrication, joining and forming technologies, simulation and modelling, advances in corrosion and surface finishing will be also covered.

It is my pleasure to invite you to contribute full papers, communications and reviews to this Special Issue.

*Paolo Mengucci*

### Keywords:

- Designing, simulation and modelling
- Casting and forming technologies
- Mechanical properties
- Corrosion
- Joining
- Nanoalloys and amorphous alloys
- Additive manufacturing
- Aerospace and transportation
- Energy systems
- Biomedical applications





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