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Friction Stir Processing and Additive Manufacturing in Light Alloys (Mg, Al, Ti) and Their Composites

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Message from the Guest Editor

The use of light alloys and of their composites is not limited to portable applications. By careful control of their microstructure and/or by the addition of a well-chosen second phase in composites, light alloys can also meet more stringent and specific requirements in terms of chemical, thermal, or other functional properties for a large variety of applications.

Over the last few years, friction stir processing and additive manufacturing—each technique with its own specificities—have emerged as powerful techniques for the production of light alloys and light metal matrix composites with tailored—often complex and hierarchical—microstructures and potentially improved usage properties. This Special Issue of *Materials* thus welcomes contributions on various topics fostering a deeper understanding of the correlations between processing parameters—microstructures and properties in the friction stir processing and additive manufacturing of light alloys (Mg, Al, Ti) and their composites.

I kindly invite you to submit a manuscript(s) to this Special Issue. Full papers, communications, and reviews are all welcome.



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Special Issue



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Message from the Editor-in-Chief

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