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## Microstructure and the Mechanical and Physical Properties of Light Metal Materials

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### Message from the Guest Editors

Dear Colleagues,

Lightweight alloys are attracting increasing attention due to their potential applications. In the last several decades, these materials have been the focus of researchers and engineers because of their low density and high specific strength. Currently, great attention is devoted to the thermomechanical treatment of lightweight materials. It should be mentioned that alloys subjected to various types of severe plastic deformation exhibit improved mechanical properties. On the other hand, anisotropy of such materials may increase. It is valid in particular in hexagonal magnesium and titanium alloys and partially in aluminum alloys and cubic body centered titanium alloys. The main topics of this Special Issue are studies revealing the mechanical and physical properties of light alloys subjected to severe plastic deformation. Papers dealing with new alloys, alloys with some special properties.

This Special Issue provides an opportunity to exchange new ideas and results concerning light metals and their possible applications.

Prof. Dr. Zuzanka Trojanová

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## Message from the Editor-in-Chief

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