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Research and Development in Magnesium Alloys for Industrial and Biomedical Applications

Guest Editor:

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Deadline for manuscript submissions:

closed (20 February 2023)

Message from the Guest Editor

Dear Colleagues,

Designing a biodegradable implant implies good mechanical properties in correlation with the degradation rate and their biocompatibility in the host biological system. This Special Issue covers a wide range of topics: characterization of different types of Mg based alloys, from obtaining to in vivo analysis highlighting their structure, properties, and functions. In this Special Issue of Materials, we will gather the top research results from researchers in various fields related to obtaining, processing, and utilizing biomaterials from different chemical elements. Topics of interest include Mg-based biodegradable alloys, modern processing technologies, in vitro and in vivo biological responses, and characterization techniques. For this purpose, original research articles, review articles, and significant preliminary communications are invited, with particular interest in articles describing current research trends and future perspectives in biomaterials characterization used in medical applications.













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Editor-in-Chief

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Message from the Editor-in-Chief

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