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## Research and Development in Magnesium Alloys for Industrial and Biomedical Applications

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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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## Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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