



Recent Advances in Biodegradable Zinc-Based Alloys

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Metallic biomaterials or biometals (BMs) are usually utilized as implanting biomaterials for the repairment, reconstruction and replacement of tissue engineering for the surgical applications in bone joints and other damaged organs. Zinc and zinc-based alloys are potential biometals with outstanding biodegradable and biocompatible performance, and have been paid accretive attention recently in medical implanting biodegradable materials.

The Special Issue aims to capture the latest research in the fields of concentrating on the zinc-based alloys in the microstructural refinement of solidification, alloying strengthening and toughening, surface modification, 3D print, porous zinc and power, severe plastic deformation. Other biometals on microstructures and mechanical properties as well as their biodegradation are warmly encouraged and called for this issue. Collected articles may depict innovative technical developments, microstructural characterization, forming processing of biodegradable zinc-based alloys, and assess their in vitro or in vivo performance and applications on the future potential approaches and emerging techniques.





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Message from the Editor-in-Chief

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