

## Special Issue

# Degradable/Resorbable Metallic Alloys for Biomedical Applications

### Message from the Guest Editor

Biodegradable (bioresorbable) metallic materials such as Zn, Mg, Fe-based alloys provide new opportunities for tissue regeneration. These metallic alloys can temporally provide the mechanical strength as scaffolds, and due to their biocompatibility and bioresorbable characteristics they elicit minimal or no adverse reactions. As the alloys interact with the body, understanding the interface behavior between metal degradation and the surrounding tissue regeneration is critical. The devices can be preclinically tested and characterized in terms of long-term degradation, byproduct (corrosion product) formation, and biocompatibility. The devices can be generally categorized as cardiovascular, orthopaedic, craniofacial, and bio-electronics. In addition to research-based topics with pre-clinical studies, clinical evidence of success is also important to share with the research community.

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### Guest Editor

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### Deadline for manuscript submissions

closed (30 September 2019)



## Applied Sciences

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### Editor-in-Chief

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