



## Degradable/Resorbable Metallic Alloys for Biomedical Applications

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (30 September 2019)**

### **Message from the Guest Editor**

Dear Colleagues,

Biodegradable (bioresorbable) metallic materials such as Zn, Mg, Fe-based alloys provide new opportunities for tissue regeneration. These metallic alloys can temporarily 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.

Dr. Yeohung Yun

*Guest Editor*





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## Message from the Editor-in-Chief

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