## **Special Issue**

## Bio-Alloy Materials for Bone Tissue

## Message from the Guest Editors

Metal-based implants for bone tissue are commonly made from materials such as 316L stainless steel, titanium or titanium allovs. Materials used as long-term implants should be biocompatible and composed of non-toxic and non-allergic compounds. Degradable metallic implants are considered to be part of a new generation of materials that can be used as dental implants or orthopedic implants. However, new materials with desirable mechanical properties (e.g., elasticity, yield stress, ductility, toughness, hardness), compatibility (cytocompatibility, tissue reaction, physical and chemical properties, degradation, bacteriostatic properties), and an easy manufacturing process are still being sought as novel materials. In this Special Issue, we invite submissions that explore the development of various metallic biomaterials for dental implants or orthopedic applications. Analyses of the results of a metal surface treatment to form ceramic or polymer coatings on the new materials are also welcomed.

## **Guest Editors**

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#### Deadline for manuscript submissions

closed (30 June 2021)



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## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multidimensional network.

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