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## Design and Development of Metal-Based Biomaterials

Guest Editor:

**Dr. Ligang Zhang**

School of Material Science and  
Engineering, Central South  
University, Changsha 410083,  
China

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### Message from the Guest Editor

Dear Colleagues,

The design and development of metal-based biomaterials is a critical area of research in the fields of materials science and biomedical engineering. Metallic biomaterials are used in a wide range of medical applications, including orthopedic implants, dental implants, and cardiovascular devices. Researchers in this field focus on creating biomaterials that are biocompatible, corrosion-resistant, and possess mechanical properties similar to those of human tissues. The development of metallic biomaterials involves the design of new alloys, surface modifications to enhance biocompatibility, and testing for durability and performance in biological environments. By advancing the design and development of metal-based biomaterials, researchers aim to improve the effectiveness and longevity of medical implants, ultimately enhancing the quality of life for patients.

Dr. Ligang Zhang  
*Guest Editor*



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### Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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