

## Special Issue

# Advances in Metallic Biomaterials

### Message from the Guest Editors

Metallic biomaterials are the first types of biomaterials and have a long history of clinical use. This Special Issue aims to highlight the advances and progress in metallic biomaterials and related manufacturing technologies for translational bioengineering applications. The topics of interest include (but are not limited to): 1. Emerging metals and metal alloys for biomedical engineering; 2. novel production technologies for metallic biomaterials including additive manufacturing and other low-cost manufacturing technologies; 3. mechanical aspects of metallic biomaterials and metallic-biomaterials-based implants; 4. coatings or surface engineering to develop or enhance tribocorrosion resistance, osseointegration, anti-thrombotic, and infection-resistant metallic biomaterials and implants (porous scaffolds and stents); 5. biodegradable and bioresorbable metallic biomaterials for clinical applications; 6. tribocorrosion behavior of biomaterials; 7. immune-modulating metallic biomaterials; 8. drug-eluting smart biomaterials; and 9. AI in implant development. We are also interested in any other aspects of metallic biomaterials that are not listed above.

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### Guest Editors

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Dr. Himansu Sekhar Nanda

Prof. Dr. Geetha Manivasagam

Dr. Sushma Kumari

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### Deadline for manuscript submissions

closed (1 May 2023)



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### Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

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