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Biomaterials and Implant Biocompatibility

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Message from the Guest Editors

The scientific advances in life sciences and engineering constantly challenge, expand and redefine the concepts related to biocompatibility and safety of medical devices. New biomaterials, new products and new testing regimes are introduced in the scientific research practices. In order to provide clinically predictive results and to ensure a high benefit-risk ratio for the patients we need to optimize the material and implant characteristics, and to adapt the performance and safety evaluation practices for these innovative medical devices.

We aim to focus on the recent progress in development, material testing, and biocompatibility and bioactivity evaluation of various materials including, but not limited to, bioceramics, biopolymers, biometals, composite materials, biomimetic materials, hybrid biomaterials and drug/device combinations for implants and prostheses with medical applications spanning from soft to hard tissue regeneration.

Prof. Anișoara Cîmpean

Prof. Florin Miculescu

Guest Editors



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Special Issue



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Message from the Editor-in-Chief

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