

Special Issue

Biomechanical Analysis of Dental Implants

Message from the Guest Editors

The biomechanical performance of dental implants plays a critical role in the long-term success and reliability of oral rehabilitation procedures. As the demand for dental implants continues to rise worldwide, there is a growing interest in understanding the complex interactions between implant materials, bone biology, and mechanical forces. This Special Issue aims at gathering cutting-edge research on computational modeling, in vitro and in vivo biomechanical testing, and clinical evaluations related to dental implant systems. Topics of interest include stress distribution analysis, finite element modeling, the optimization of implant design, the influence of occlusal loading, and bone-implant interface behavior under different physiological conditions. Special attention will be given to interdisciplinary studies that incorporate advanced materials, digital dentistry technologies, and artificial intelligence for diagnostics and treatment planning.

Guest Editors

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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 multi-dimensional network.

Editor-in-Chief

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