Special Issue

Occlusion Biomechanics in Implant Therapy

Message from the Guest Editors

One of the main causes of the failure of implants that support single, partial, or full-arch prostheses is an excess or inadequate distribution of the occlusal load. This overload or stress is transferred to the implant/peri-implant bone complex, causing increased mobility of the implant and progressive peri-implant bone loss. Therefore, an occlusion control and adequate occlusal scheme for the different types of implant-supported prostheses is adequate for dental implant survival in the medium–long term. The existence of controversy related to this makes it necessary to carry out more studies to clarify it. Likewise, more information is needed regarding the distribution and amount of stress transferred to the bone implant complex by an implant-supported prosthesis and each of its components as well as its relationship with the characteristics of the applied occlusal load. In the Special Issue, we invite submissions exploring cutting-edge research and recent advances in the field of occlusion biomechanics in implant therapy. Theoretical, experimental (in vitro, in vivo, and mathematical) and clinical studies are welcome, as are comprehensive review papers.

Guest Editors

Prof. Dr. Ángel Álvarez-Arenal

Dr. Aritza Brizuela Velasco

Dr. Hector de Llanos Lanchares

Deadline for manuscript submissions

closed (20 July 2022)

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Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

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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

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy

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