



Numerical and Biomechanical Analysis in Bioengineering

Guest Editor:

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Deadline for manuscript
submissions:

closed (20 August 2022)

Message from the Guest Editor

Dear Colleagues,

Maxillofacial surgery is a rapidly developing domain. Traumatology and orthognathic surgery are the “parents” of this field, and thus, osteosynthesis is still the main tool in our hands. Dozens of dedicated plates for mandible condyle fixation, hundreds of plates of 1.5, 2.0, 2.4 or 2.7 systems, and multiple screws (locking, compressing) are used today—and to make it even harder to choose the right one, polymer, titanium or resorbable alloys materials are widespread. This Special Issue aims to encourage scientists to take on the challenge and help to choose the best, most effective, most promising, and most suitable strategy for treating people by publishing the results of material tests. I would also like to encourage you to test your custom implants (TMJ replacements, orthognathic plates, personalized overlay implants, etc.), which are possible to make thanks to the good availability of CAD/CAM techniques. Subtractive and additive manufacture methods of special material for maxillofacial surgery should be analyzed.

This Special Issue aims to focus the maxillofacial osteosynthesis.

Prof. Marcin Kozakiewicz

Guest Editor





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Editor-in-Chief

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Message from the Editor-in-Chief

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