Special Issue

Application of Bioengineering to Clinical Orthodontics

Message from the Guest Editor

The World Health Organization (WHO) considers malocclusion one of the most important oral health problems. It is not only young patients who have orthodontic treatment needs, but also quite a few of adults. During orthodontic treatment, alveolar bone and periodontal tissues undergo remodeling under mechanical force loading. With the recent technology development, remarkable breakthroughs have been achieved in the fields of dental tissue engineering, introducing exciting changes to the field of orthodontics. On the other hand, research on the mechanism of orthodontic tooth movement is also providing input to other dental fields and fields beyond dentistry that involve bone biology. This Special Issue aims to publish high-quality original research work, case reports, as well as reviews on the range of bioengineering methods and their applications in orthodontics and bone remodeling. Topics of interest include but are not limited to:

- Application of bioengineering models for tooth movement;
- Biomolecular and cellular mechanisms in orthodontics;
- Computational approaches in tooth movement;
- Orthodontic biomechanics.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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