

Topical Collection

Light and Laser Dentistry

Message from the Collection Editors

We invite you to submit your studies on light and laser dentistry. Several studies are currently focusing on the materials and lights used daily in practices. Their interactions with oral tissues can induce, produce or provoke biological effects that can be appreciated or unwished. Knowledge of their process of interaction is necessary to improve the quality of treatments or products and to avoid side effects. Furthermore, several lights have been proposed for oral treatments in different fields. The understanding of their effects on biological material can improve or prohibit their applications (e.g., bio-activation, bio-modulation, magnetic properties, mechanical properties, chemical properties, tissue overheating, etc.). Thus, studies focused on light applications, matters used in oral treatments and fundamental studies can enlighten us the interaction process with biological oral tissues and improve the quality of oral treatments. Research and clinical studies focused on the application of light on the various oral hard and soft tissues would enlighten the biological and interactive mechanisms that can eventually improve the quality of treatment for oral conditions and needs.

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Dentistry Journal

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CiteScore 4.1
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