

Special Issue

Natural Products and Drug Delivery Systems in Dental Diseases

Message from the Guest Editor

Periodontitis, a chronic inflammatory disease causing periodontal tissue destruction, is linked to systemic conditions like diabetes and cardiovascular disease. Conventional therapies often fail to fully resolve inflammation or regenerate tissues. Natural compounds, biologics, and small molecules, particularly plant-derived agents targeting signaling pathways, offer promise as anti-inflammatory, antimicrobial, antioxidant, regenerative adjuncts. Advanced drug-delivery systems enable targeted, sustained release into periodontal pockets, improving efficacy while reducing side effects. This Special Issue seeks original research, reviews, and translational studies on integrating these therapies and delivery technologies for periodontitis management. Contributions should explore novel strategies, mechanisms, signaling pathways, and clinical applications to advance personalized periodontal care.

Guest Editor

Dr. Rafael Scaf De Molon

Department of Diagnostic and Surgery, School of Dentistry at Araraquara, University Estadual Paulista-UNESP, Araraquara 14801-903, SP, Brazil

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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