

Special Issue

New Insights into Periodontitis: From Biology to Treatment

Message from the Guest Editor

Periodontitis is the most prevalent chronic inflammatory human disease. If untreated, periodontitis results in periodontal tissue destruction and, eventually, loss of teeth. Moreover, it increases with age and is closely associated with systemic diseases, such as cardiovascular disease, diabetes, and Alzheimer's disease. This Special Issue of the *IJMS* focuses on new insights into periodontitis from biology to treatment including dysbiosis of the oral microbial community, host immune response, and epigenetic mechanism in the development and progression of periodontitis to find out new targets for periodontal treatment. We welcome both original research articles and review papers that deal with the following:

- Communication and dysbiosis of oral microbes;
- Host response including innate and adaptive immunity in periodontitis; Periodontal inflammatory response;
- Regeneration of periodontal tissue;
- Gene expression related to periodontitis;
- Epigenetic modification including DNA methylation, histone modification, and non-coding RNAs in periodontitis;
- Development of new targets for the control of periodontitis;
- Treatment of periodontitis.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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