## **Special Issue**

## Molecular Biology of Periodontal Disease and Periodontal Pathogens

## Message from the Guest Editors

Periodontitis is one of the most prevalent diseases worldwide. The pathophysiology of this disease is complex. In individuals with susceptibility to periodontitis, the host response is ineffective, dysregulated, and destructive. While the bacteria are required for disease pathogenesis, it is predominantly the host inflammatory response to this microbial challenge that can ultimately lead to damage on the periodontal tissues. Periodontitis has been associated with a wide variety of systemic conditions, mainly with atherosclerotic vascular diseases and diabetes. Different biological mechanisms have been proposed to explain these associations including bacteraemia and increased systemic inflammatory response. We welcome preclinical and clinical original papers and review articles dealing with novel molecular pathways of periodontitis as well as scientific contributions describing biological mechanisms underlying the periosystemic link. In addition, we encourage authors to submit papers with educational content dealing with methods to explain complex biological processes in periodontitis and its systemic impact.

## **Guest Editors**

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## Deadline for manuscript submissions

30 September 2025



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## Message from the Editor-in-Chief

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### **Editor-in-Chief**

#### Prof. Dr. Maurizio Battino

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