

Special Issue

The Oral Microbiome: Inflammation, Oral Health and Autoimmune Diseases

Message from the Guest Editor

The human oral cavity is home to a diverse microbial community comprised of several hundred different microorganisms. The oral microbiome's role in health and disease has been the focus of intense research in recent years. It is now known that when the composition of the microbiome is altered, and correspondingly the equilibrium is changed, dysbiosis, an imbalance between the types of organisms present in the natural microbiome ensues. The oral microbiome has been implicated in the manifestation of many intra- and extraoral diseases. Examples of intra-oral diseases include dental caries, gingivitis, and periodontitis. Distinct bacterial species have found to be involved in the onset of various pathophysiological conditions, including cancer, atherosclerosis, chronic infective endocarditis, and rheumatoid arthritis. More recently, there has been an intense effort to investigate the relationship between microbial complexes, especially that of the oral cavity and intestine and autoimmunity. This Special Issue aims to publish advances in the oral microbiome and its relationship to inflammation and autoimmune diseases. Prof. Dr. Zvi G. Loewy

Guest Editor

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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