

Special Issue

Oral Microbiota and Associated Local and Focal Infections

Message from the Guest Editors

The collective function of microbial communities is a major driver of homeostasis or dysbiosis and ultimately health or disease. Dysbiosis occurs due to factors that predispose a shift in the composition of the microbiome, abundance of particular species, virulence factors, and the immune response of the host. The dynamic and polymicrobial oral microbiome is a direct precursor of diseases such as dental caries and periodontitis. However, the emerging oral-infection-related diseases emphasize biomaterials and techniques for oral rehabilitation, medical devices, and links with systemic manifestations including diabetes, cardiovascular disease, lacunar infarct/ischemic stroke, chronic obstructive pulmonary disease, and chronic kidney disease, highlighting extraoral communications via inflammation and/or microbial presence. Moreover, the revolution of molecular diagnostic methods emphasizing nonculture techniques has redefined the oral microbiota. The aim of this Special Issue is to provide new information on the etiology, pathogenesis, diagnosis, and treatment of oral infections and focal infections of oral origin, mainly focused on translational research.

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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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