

Special Issue

Advances of Molecular Sciences in Dental Diseases Detection and Treatment

Message from the Guest Editors

This special issue aims to cover the dental hard and soft tissues diseases diagnosis, detection of associated biomarkers, management, and treatment with the help of molecular biology. With the advancements in the molecular science, it is quite helpful to identify the molecular mechanism of dental diseases such as dental caries, gum diseases and oral cancer. How to detect them in the early phases with different biomarkers present in oral fluids (saliva, GCF, peri-implant fluid) and their management with the help of novel drugs. For this purpose, a plenty of research on proteomics, genomics, and molecular biology has been conducted in relation to gingival, periodontal, and oral diseases. Similarly, gene therapy has evolved rapidly for a range of diagnostic and therapeutic applications in oral health. In addition, various potential oral manifestations of COVID-19 on oral health require investigations at the molecular level.

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