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Advances of Molecular Sciences in Dental Diseases Detection and Treatment

Guest Editors:

Dr. Zohaib Khurshid

- 1. Department of Prosthodontics and Dental Implantology, College of Dentistry, King Faisal University, Al-Ahsa 31982, Saudi Arabia
- 2. Center of Excellence for Regenerative Dentistry, Department of Anatomy, Faculty of Dentistry, Chulalongkorn University, Bangkok 10330, Thailand

Prof. Dr. Muhammad Sohail Zafar

Department of Restorative Dentistry, College of Dentistry, Taibah University, Al Madina Al Munawara 41311, Saudi Arabia

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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.



