

1. Record Nr.	UNINA9910580178603321
Titolo	Dental Implants and Oral Microbiome Dysbiosis : An Interdisciplinary Perspective // edited by Prasanna Neelakantan, Adline Princy Solomon
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	3-030-99014-1
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (101 pages)
Collana	Medicine Series
Disciplina	617.693
Soggetti	Dentistry Biomaterials Implants dentals Microbiologia Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Dental Implants – An Overview -- Oral Microbiota and Biofilm Infections -- Host Immune Response to Dental Implants -- In Vitro and In Vivo Models to Understand Dental Implant Integration -- Modern Approaches to Dental Implant Biofilm Management -- High Performance Advanced Materials.
Sommario/riassunto	This book will serve as a one-stop, reference manual to understand the basic concepts of dental implant design, the related microbiome, research models and current concepts as well as futuristic perspectives in implant surface modification. The manual-like design including colorful illustrations and important critical questions will help researchers and advanced students in understanding the contemporary status and in designing studies for innovative treatments of dental implant infections. Considering the microbiome of dental implant related environment in health and disease is imperative to design strategies to good practice and prevention of infections around implants. This monograph will serve as a single reference material which links the interdisciplinary aspect of the dental implants covering material sciences, engineering and biological aspects, thus effectively

bridging the gap between engineering and oral health sciences.
