

Contents

Foreword	ix
Preface.....	xi
Contributors	xiii
Chapter 1 Microbial Biofilms: An Introduction to Their Development, Properties and Clinical Implications.....	1
<i>Chaminda Jayampath Seneviratne, Neha Srivastava, Intekhab Islam, Kelvin Foong and Finbarr Allen</i>	
Chapter 2 Clinical Implications of Interkingdom Fungal and Bacterial Biofilms	33
<i>Gordon Ramage, Lindsay E. O'Donnell, Ryan Kean, Eleanor Townsend and Ranjith Rajendran</i>	
Chapter 3 Oral Biofilms and Their Implication in Oral Diseases	69
<i>Georgios N. Belibasakis and Nagihan Bostanci</i>	
Chapter 4 Composition and Diversity of Human Oral Microbiome.....	81
<i>Preethi Balan, Chaminda Jayampath Seneviratne and Wim Crielaard</i>	
Chapter 5 <i>Candida</i> Biofilms: Properties, Antifungal Resistance and Novel Therapeutic Options	103
<i>Chaminda Jayampath Seneviratne, Thuyen Truong and Yue Wang</i>	
Chapter 6 Proteomics Approaches to Uncover the Drug Resistance Mechanisms of Microbial Biofilms.....	129
<i>Chaminda Jayampath Seneviratne, Tanujaa Suriyanarayanan, Lin Qingsong and Juan Antonio Vizcaino</i>	
Chapter 7 Metabolomics of Microbial Biofilms: Current Status and Future Directions	163
<i>Tanujaa Suriyanarayanan, Chaminda Jayampath Seneviratne, Wei Ling Ng, Shruti Pavagadhi and Sanjay Swarup</i>	

Chapter 8	Biofilm Persisters: Formation, Molecular Mechanisms and Strategies for Tackling.....	193
	<i>Peng Li, Chaminda Jayampath Seneviratne and Lijian Jin</i>	
Chapter 9	Host–Biofilm Interactions at Mucosal Surfaces and Implications in Human Health	203
	<i>Nityasri Venkiteswaran, Kassapa Ellepola, Chaminda Jayampath Seneviratne, Yuan Kun Lee, Kia Joo Puan and Siew Cheng Wong</i>	
Chapter 10	Synbiotics, a Fusion of Probiotics and Prebiotics, and Biogenics against Oral Biofilm-Associated Diseases	237
	<i>Tomoko Ohshima, Tomomi Kawai, Yukako Kojima, Nobuko Maeda and Chaminda Jayampath Seneviratne</i>	
Index.....		261