

Contents

Biofilm Development with an Emphasis on <i>Bacillus subtilis</i>	1
K. P. Lemon, A. M. Earl, H. C. Vlamakis, C. Aguilar, and R. Kolter	
Physiology of Microbes in Biofilms	17
A. M. Spormann	
Environmental Influences on Biofilm Development	37
C. C. Goller and T. Romeo	
Quorum Sensing and Microbial Biofilms	67
Y. Irie and M. R. Parsek	
Innate and Induced Resistance Mechanisms of Bacterial Biofilms	85
G. G. Anderson and G. A. O'Toole	
Multidrug Tolerance of Biofilms and Persister Cells	107
K. Lewis	
Biofilms on Central Venous Catheters: Is Eradication Possible?	133
R. M. Donlan	
Role of Bacterial Biofilms in Urinary Tract Infections	163
J. K. Hatt and P. N. Rather	
Shifting Paradigms in <i>Pseudomonas aeruginosa</i> Biofilm Research	193
A. H. Tart and D. J. Wozniak	
Staphylococcal Biofilms	207
M. Otto	

Yersinia pestis Biofilm in the Flea Vector and Its Role in the
Transmission of Plague 229
B. J. Hinnebusch and D. L. Erickson

Escherichia coli Biofilms 249
C. Beloin, A. Roux, and J.-M. Ghigo

Index 291