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2. Record Nr.	UNINA9910963305603321
Titolo	Biofilm control and antimicrobial agents // edited by S.M. Abu Sayem, PhD
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ISBN	0-429-17454-3 1-4822-3949-3
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Descrizione fisica	1 online resource (410 p.)
Classificazione	cci1icc coll13
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Soggetti	Biofilms Biofilms - Prevention Anti-infective agents
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; About the Editor; Contents; Acknowledgment and How to Cite; List of Contributors; Introduction; Chapter 1: Potential Novel Therapeutic Strategies in Cystic Fibrosis: Antimicrobial and Anti-Biofilm

Activity of Natural and Designed α -Helical Peptides Against *Staphylococcus aureus*, *Pseudomonas aeruginosa*, and *Stenotrophomonas maltophilia*; Chapter 2: Dispersal of Biofilms by Secreted, Matrix Degrading, Bacterial DNase
Chapter 3: The RNA Processing Enzyme Polynucleotide Phosphorylase Negatively Controls Biofilm Formation by Repressing Poly-N-Acetylglucosamine (PNAG) Production in *Escherichia coli*
Chapter 4: Comparative Proteomic Analysis of *Streptococcus suis* Biofilms and Planktonic Cells that Identified Biofilm Infection-Related Immunogenic Proteins; Chapter 5: Anti-Biofilm Activity of an Exopolysaccharide from a Sponge-Associated Strain of *Bacillus licheniformis*; Chapter 6: Osteopontin Reduces Biofilm Formation in a Multi-Species Model of Dental Biofilm
Chapter 7: Impairment of the Bacterial Biofilm Stability by Triclosan
Chapter 8: Antimicrobial Pressure of Ciprofloxacin and Gentamicin on Biofilm Development by an Endoscope-Isolated *Pseudomonas aeruginosa*; Chapter 9: Inhibition of *Staphylococcus epidermidis* Biofilm Formation by Traditional Thai Herbal Recipes Used for Wound Treatment; Chapter 10: In Vitro Assessment of Shiitake Mushroom (*Lentinula edodes*) Extract for its Antigingivitis Activity; Chapter 11: Antimicrobial, Antimycobacterial and Antibiofilm Properties of *Couroupita guianensis* Aubl. Fruit Extract
Chapter 12: Fur is a Repressor of Biofilm Formation in *Yersinia pestis*
Chapter 13: Hsp90 Governs Dispersion and Drug Resistance of Fungal Biofilms; Chapter 14: *Candida* Biofilms and the Host: Models and New Concepts for Eradication; Chapter 15: Innovative Strategies to Overcome Biofilm Resistance; Author Notes

Sommario/riassunto

This new book highlights some of the exciting research that has recently been done in the important and far-ranging field of biofilms and microbial agents. It discusses antimicrobial agents in relation to biofilm control and resistance. The book also introduces biofilm formation and mitigation strategies. It helps explore long-term solutions to the challenges imposed by biofilms.
