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	Antimicrobial Susceptibility Testing Methods of NMs"; ""2.2.1 Broth Dilution Test"" ""2.2.2 Spectrophotometric Measurement"""2.2.3 Cell Counting""; ""2.2.4 Colorimetric and Fluorescent Assays"; "2.2.5 In Vitro Infection Animal Model"; "2.2.6 Biocidal Testing"; "2.2.7 Antibiofilm Activity"; ""2.2.8 Quorum-Sensing Inhibitors""; "2.2.9 Microbial Membrane Lysis"; "2.2.10 Microbial Oxidative Stress"; "2.2.11 Antipersister and Antidormancy Bacterial Cells"; "2.2.12 Microbial Fitness"; "2.3 Nanotoxicology"; "2.3.1 Nano-Genotoxicology"; "2.3.2 Cytotoxicity"; "2.3.3 Immunotoxicity"; "2.3.4 In Vitro Skin Irritation"" "2.3.5 Caenorhabditis elegans Toxicity Model"""2.3.6 Nanotoxicity in Embryonic and Adult Zebrafish""; "2.4.7 Bioluminescence-Based Nanotoxicity Test""; "2.4.1 Particokinetics"; "2.4.2 Caco-2 Permeability""; "2.4.3 Hollow Fiber System"; "2.5 Conclusions""; "References""; "3.3 I Introduction"; "3.2 Louse-Borne Infections and Activity of AgNPs Against Lice"; "3.3 Mosquito-Borne Infections and Activity of AgNPs Against Lice"; "3.4 Tick-Borne Infections and Activity of AgNPs Against Mosquitoes"" ""3.4 Tick-Borne Infections and Activity of AgNPs Against Mosquitoes"" ""3.4 Tick-Borne Infections and Activity of AgNPs Against Mosquitoes"" ""3.4 Tick-Borne Infections and Activity of AgNPs Against Mosquitoes"" ""4.2.1 Design of Tailored Magnetic Nanoparticles with Biomedical Applications in Microbiology"; ""4.2.2 Magnetite Nanoparticles Used to Control Microorganisms Attachment and Biofilm Formation"" ""4.2.3 The Biocompatibility of Magnetite Nanoparticles""
Sommario/riassunto	Nanotechnology in Diagnosis, Treatment and Prophylaxis of Infectious Diseases delivers comprehensive coverage of the application of nanotechnology to pressing problems in infectious disease. This text equips readers with cutting-edge knowledge of promising developments and future prospects in nanotechnology, paying special attention to microbes that are now resistant to conventional antibiotics, a concerning problem in modern medicine. Readers will find a thorough discussion of this new approach to infectious disease treatment, including the reasons nanotechnology presents a promising