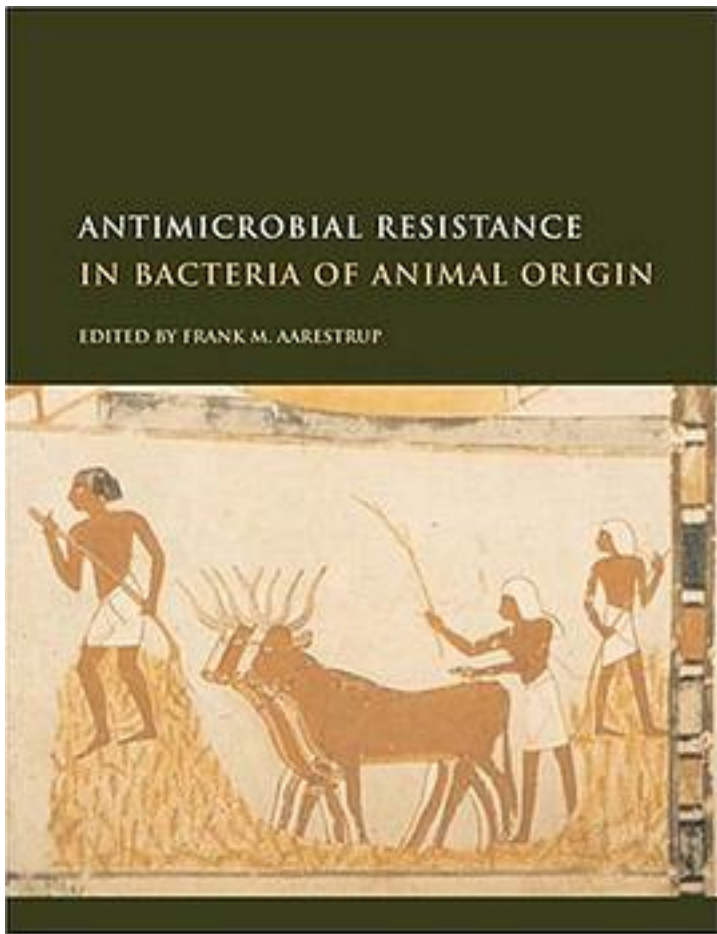


Antimicrobial Resistance in Bacteria of Animal Origin



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"Antimicrobial Resistance in Bacteria of Animal Origin" comprehensively examines the current research on antimicrobial resistance in the main veterinary and zoonotic

pathogens, including resistance to disinfectants and metals used in agriculture. Providing a broad overview from a global perspective, this new volume is an important reference for students, researchers, public health experts, veterinarians, and anyone with an interest in resistant bacteria in animals. Written by experts in the field of antimicrobial resistance, the early chapters provide information on modes of action of antibiotics and mechanisms of bacterial resistance, in addition to exploring the history of antimicrobial use in agriculture. Several chapters are devoted to examination of antimicrobial resistance in specific bacteria, including: the family Pasteurellaceae, species of *Campylobacter*, pathogenic *Escherichia coli*, staphylococci, streptococci, and *Enterococcus*. Also detailed are phenotypic and molecular methods for susceptibility testing, regulatory mechanisms for usage of antibiotics, and methods for monitoring drug usage and resistance.

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