

1. Record Nr.	UNINA9910913788903321
Autore	Shehata Awad A
Titolo	Alternatives to Antibiotics against Pathogens in Poultry // edited by Awad A. Shehata, Guillermo Tellez-Isaias, Wolfgang Eisenreich
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031704802 3031704800
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (298 pages)
Collana	Biomedical and Life Sciences Series
Altri autori (Persone)	Tellez-IsaiasGuillermo EisenreichWolfgang
Disciplina	636.089
Soggetti	Veterinary medicine Physiology Veterinary Science Animal Physiology Aviram Microorganismes patògens Antibiòtics Farmacologia veterinària Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: An Overview of the Gut Health in Chickens -- Chapter 2: Intestinal microbiota: A hidden metabolic and immune organ -- Chapter 3: Secret killers in poultry as drivers for intestinal inflammation and oxidative stress -- Chapter 4: Probiotics -- Chapter 5: Prebiotics: An overview on their properties and mode of action -- Chapter 6: Use of postbiotics in the poultry industry: Current knowledge and future prospects -- Chapter 7: The use of enzymes in poultry nutrition: An opportunity for feed enzymes -- Chapter 8: The use of phytogetic substances against chronic stress: Opportunities and challenges -- Chapter 9: Essential oils -- Chapter 10: Taming the Tiny Titans: Exploring Bacteriophages as an Alternative to Antibiotics in the Poultry Industry -- Chapter 11: Peptides as Alternatives to Antibiotics in

Poultry Health Management -- Chapter 12: Advances in antimycotoxins
-- Chapter 13: Strategies to control coccidiosis and parasitic diseases
in Biofarms -- Chapter 14: An overview on nanotechnology and its
poultry applications: Opportunities and challenges.

Sommario/riassunto

This volume provides a comprehensive overview of poultry intestinal health and recent advances in alternatives to drug treatment of significant disorders. The chapters start with an insight into immunological processes and the communities of gut microbiota. In the following, a range of antibiotic alternatives in poultry feed and production management is presented, including enzymes, phytobiotics, bacteriophages, the use of probiotics, synbiotics, and many more. Expert contributions on the latest technological and diagnostic developments in the field round off this work to accelerate the study of natural products and next-generation disease therapy. Meeting the demand to combat increased resistance to classic treatment methods, this book forms an indispensable guide for all professionals, veterinarians, nutritionists, students and researchers in the poultry industry, food production, and academia.
