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Titolo	Parasitic Helminths and Zoonoses : From Basic to Applied Research // edited by Jorge Morales-Montor, Victor Hugo Del Rio-Araiza and Romel Hernandez-Bello
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Descrizione fisica	1 online resource (xviii, 400 pages) : illustrations
Disciplina	616.962
Soggetti	Helminthiasis Zoonoses Communicable diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. Therapeutic Properties of <i>Trichinella spiralis</i> (Nematoda) in Chronic Degenerative Diseases -- 2. Anthelmintic Drug Resistance in Livestock: Current Understanding and Future Trends -- 3. Recent Advances in Anti-Schistosomiasis Drug Discovery -- 4. Perspective Chapter: Application of Probiotics to Inactivate Helminth Parasitic Zoonosis -- 5. New Uses for Old Drugs and Their Application in Helminthology -- 6. Perspective Chapter: Parasitic Platyhelminthes Nuclear Receptors as Molecular Crossroads -- 7. Perspective Chapter: Molecular Crosstalk and Signal Transduction between Platyhelminths and Their Hosts -- 8. Helminths Derived Immune-Modulatory Molecules: Implications in Host-Parasite Interaction -- 9. Oxygen and Redox Reactions Contribute to the Protection of Free-Living and Parasite Helminths against Pathogens and/or Host Response -- 10. Toxocariasis: From a One Health Perspective -- 11. <i>Schistosoma</i> Hybridizations and Risk of Emerging Zoonosis in Africa: Time to Think of a One Health Approach for Sustainable Schistosomiasis Control and Elimination -- 12. Dancing in a Cycle: Global Health Agenda and Schistosomiasis Control in Africa -- 13. Perspective Chapter: Integrated Root-Knot Nematodes (<i>Meloidogyne</i>) Management Approaches -- 14. Perspective Chapter: The Potential Role of Nematode Parasites in Wildlife Decline -- Evidence

from Allegheny Woodrats (*Neotoma magister*), Northern Flying Squirrels (*Glaucomys sabrinus*) and Now the Eurasian Red Squirrel (*Sciurus vulgaris*) -- 15. Soil-Transmissible Helminths Infections; Diagnosis, Transmission Dynamics, and Disease Management Strategies in Low- and Middle-Income Countries -- 16. Zoonotic Trematode Infections; Their Biology, Intermediate Hosts and Control -- 17. Biology of the Human Filariases -- 18. Perspective Chapter: Advances in the Development of Anti-*Trichinella spiralis* Vaccine, Challenges, and Future Prospective -- 19. Perspective Chapter: Multi-Omic Approaches to Vaccine Development against Helminth Diseases.

Sommario/riassunto

This book provides updated information on helminth infections, with proposals for new treatments and biological factors of risk, the development of vaccines for the control of helminthiasis and explains the latest research on the field. It also delves into multi-omics, diagnosis, immunology, and novel molecule targets. In addition, the book examines topics such as host-parasite interaction.
