

Andreas Sing *Editor*

Zoonoses – Infections Affecting Humans and Animals

Focus on Public Health Aspects

 Springer

Zoonoses Infections Affecting Humans And Animals Focus On Public Health Aspects

Andreas Sing



Zoonoses Infections Affecting Humans And Animals Focus On Public Health Aspects:

Zoonoses: Infections Affecting Humans and Animals Andreas Sing, 2023-10-09 This second fully revised and extended edition of *Zoonoses Infections Affecting Humans and Animals* covers the most important pathogens impacting both human and animal public health and debates current developments in this interdisciplinary field from a One Health perspective Following a setting approach the individual chapters each review zoonoses occurring in a specific group of animals such as production animals pets or wildlife or in a defined ecosystem A focus is put on zoonoses emerging along the food chain and on antibiotic resistance as an increasing challenge in infectious disease management Special interest chapters debate non resolved and currently hotly debated zoonoses foremost COVID 19 influenza Crohn paratuberculosis and chronic botulism also taking into account the economic and ecological aspects of zoonotic disease outbreaks This second edition includes brand new chapters on emerging pathogens such as SARS CoV 2 chlamydia and helminths it reviews historic zoonoses provides additional insights into pathogens of reptiles and highlights significant neglected tropical diseases This reference work is a must read for researchers health professionals and students in Microbiology and Veterinary Medicine The book s ambition to spread knowledge on zoonoses and on strategies on how to tackle them complies with the United Nations

Sustainable Goals in particular Goal 3 Good Health and Well Being **Zoonoses - Infections Affecting Humans and Animals** Andreas Sing, 2014-12-31 *One Planet, One Health* Walton, Merrilyn, Aginam, Obijiofor, Alders, Robyn, Arabena, Kerry, Ashleigh, Conor, Bagnol, Brigitte, Black, Kirsten, Braaten, Yngve, Coogan, Sean, Dawson, Angus, Degeling, Chris, Fenwick, Stanley, Gilbert, Gwendolyn, Guest, David, Hill-Cawthorne, Grant, Hogerwerf, Lenny, Jeggo, Martyn, Jonas, Tammi, Kock, Richard, Hall, Jess, Laven, Anna, Mackenzie, John, Marais, Ben, McMahon, Peter, Massey, Peter, Memmott, Paul, Mor, Siobhan, Nuryartono, Nunung, Raubenheimer, David, Stellmach, Darryl, Vinning, Grant, Wallace, Robert, Wiethoelter, Anke, 2019-04-01 *One Planet One Health* provides a multidisciplinary reflection on the state of our planet human and animal health as well as the critical effects of climate change on the environment and on people Climate change is already affecting many poor communities and traditional aid programs have achieved relatively small gains Going beyond the narrow disciplinary lens and an exclusive focus on human health a planetary health approach puts the ecosystem at the centre The contributors to *One Planet One Health* argue that maintaining and restoring ecosystem resilience should be a core priority carried out in partnership with local communities *One Planet One Health* offers an integrated approach to improving the health of the planet and its inhabitants With chapters on ethics research and governance as well as case studies of government and international aid agency responses to illustrate successes and failures the book aims to help scholars governments and non governmental organisations understand the benefits of focusing on the interdependence of human and animal health food water security and land care *Medical Management of Wildlife Species* Sonia M. Hernandez, Heather W. Barron, Erica A. Miller, Roberto F. Aguilar, Michael J. Yabsley, 2019-10-11 This book offers an all encompassing resource for

reliable information on the medical management of wild birds mammals amphibians and turtles Focusing on the medical information relevant to the wildlife setting it covers triage emergency care and other key considerations in handling diagnosing and treating wild animals The book s population based approach encourages practitioners to understand individual animal care within the broader context Medical Management of Wildlife Species A Guide for Practitioners begins with a brief summary of natural history and introductory chapters address general topics such as pre release conditioning post release monitoring and legal issues associated with handling wildlife species Species specific chapters provide practical information on medical management including the most prevalent concerns for each species and the epidemiology of infectious diseases Provides a complete reference to handling diagnosing and treating wild species Covers the full range of North American wildlife Includes concepts that can be applied to species globally Emphasizes information relevant to the wildlife setting Focuses on individual medicine firmly grounded within population medicine for a broader approach Targeted at wildlife veterinarians veterinary clinicians that will be presented with wildlife veterinary technicians and wildlife rehabilitators Medical Management of Wildlife Species is a must have addition to the bookshelf of wildlife veterinarians and any veterinarian seeing occasional wild animals as well as wildlife biologists and researchers

Antimicrobial Resistance in Bacteria from Livestock and Companion Animals Stefan Schwarz,Lina Maria Cavaco,Jianzhong Shen,2020-07-02 The global spread of antimicrobial resistant pathogenic bacteria is a continuing challenge to the health care of humans and domesticated animals With no new agents on the horizon it is imperative to use antimicrobial agents wisely to preserve their future efficacy Led by Editors Stefan Schwarz Lina Maria Cavaco and Jianzhong Shen with Frank M ller Aarestrup an international team of experts in antimicrobial resistance of livestock and companion animals has created this valuable reference for veterinary students and practitioners as well as researchers and decision makers interested in understanding and preventing antimicrobial resistance

Achieving sustainable production of pig meat Volume 1 Prof. Alan Mathew,2018-06-08 Covers the latest research on controlling pathogenic and non pathogenic safety risks associated with pig meat Comprehensive review of the factors affecting the different aspects of pig meat quality Assesses ways of minimising the environmental impact of pig production such as reducing input use emissions and waste

Brucellosis Maryam Dadar,2025-11-01 Brucellosis The Silent Threat to Livestock and Human Health offers an in depth look into the challenges posed by brucellosis including its prevention control diagnosis and treatment in animals and humans This zoonotic disease is a significant concern not only for animal health but also public health creating an economic burden worldwide As the first comprehensive reference on brucellosis in decades this book provides valuable insights into combating and managing the disease in herds and communities The book emphasizes the importance of the One Health approach presenting a global perspective on brucellosis In addition it discusses the contagious nature of the disease and its impact on livestock and humans particularly those working in animal husbandry The book serves as a foundation for new research highlighting the

need for further studies due to the lack of a cure for animals and the difficulties in treating humans Reviews Brucellosis in cattle goats sheep swine and humans Covers prevention control clinical presentation and treatment Presents diagnostic tools and techniques Identifies zoonotic transmission epidemiology and global distribution Includes case studies of outbreaks in both livestock and human populations Explores Brucellosis in food safety and processing **Advances in Animal Health, Medicine and Production** Antonio Freitas Duarte, Luísa Lopes da Costa, 2020-11-21 This book brings together in a review manner a comprehensive summary of high quality research contributions from the different research teams and their collaborators to celebrate the 25th anniversary of the Centre for Interdisciplinary Research in Animal Health CIISA The topics span from animal behaviour and welfare over biotechnology to clinical veterinary medicine Thus the book is of interest for researchers and students working in the diverse fields of veterinary medicine and science The Centre for Interdisciplinary Research in Animal Health CIISA the Research Centre of the Faculty of Veterinary Medicine of the University of Lisbon commemorated its 25th year jubilee in 2018 Throughout its history CIISA has been consolidating as the top ranking Portuguese Animal and Veterinary Sciences research unit More recently CIISA has taken a leading role in the coordination of national and international research networks and consortiums This conveyed a highly interdisciplinary nature to CIISA s research encompassing animal veterinary and biomedical sciences This multi and interdisciplinary nature is reflected on the broad scientific background of the team **Vermin, Victims and Disease** Angela Cassidy, 2019-09-25 This open access book provides the first critical history of the controversy over whether to cull wild badgers to control the spread of bovine tuberculosis bTB in British cattle This question has plagued several professional generations of politicians policymakers experts and campaigners since the early 1970s Questions of what is known who knows who cares who to trust and what to do about this complex problem have been the source of scientific policy and increasingly vociferous public debate ever since This book integrates contemporary history science and technology studies human animal relations and policy research to conduct a cross cutting analysis It explores the worldviews of those involved with animal health disease ecology and badger protection between the 1970s and 1990s before reintegrating them to investigate the recent public polarisation of the controversy Finally it asks how we might move beyond the current impasse MEDICON'23 and CMBEBIH'23 Almir Badnjević, Lejla Gurbeta Pokvić, 2024-01-03 This book presents cutting edge research and developments in the broad field of medical biological engineering and computing This is the first volume of the joint proceedings of the Mediterranean Conference on Medical and Biological Engineering and Computing MEDICON and the International Conference on Medical and Biological Engineering CMBEBIH which were held together on September 14 16 2023 in Sarajevo Bosnia and Herzegovina Contributions report on advances in biomedical signal processing and bioimaging medical physics and pharmaceutical engineering Further they cover applications of artificial intelligence and machine learning in healthcare

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