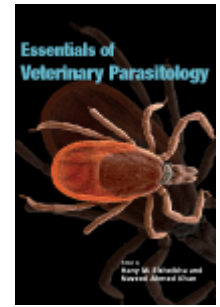


Essentials of Veterinary Parasitology



Edited by: **Hany M. Elsheikha and Naveed Ahmed Khan**

School of Veterinary Medicine and Science, University of Nottingham, Loughborough, UK

Published: May 2011 (hardback); May 2011 (paperback). **Pages:** x + 222

Hardback: ISBN 978-1-904455-80-6 £99, \$169. **Paperback:** ISBN 978-1-904455-79-0 £59, \$99

Published by: Caister Academic Press www.caister.com

Approaches to the teaching of veterinary parasitology face two major challenges. First, the quantity of data describing any given parasite can be overwhelming, if not indigestible, for students. Second is the urge to write more and more about less and less, which is the bane of those who write textbooks intended to be used by students. To meet these challenges the editors of this volume have opted to be selective in the choice of topics in an effort to make the book readable, rather than comprehensive.

Essentials of Veterinary Parasitology provides an up-to-date resource for students and practicing veterinarians on how to recognize, diagnose and treat parasitic diseases in livestock and companion animals. Featuring full-colour illustrations and a user friendly layout, it begins with a section dedicated to the fundamentals of veterinary parasitology and ends with a section on the prevention of parasitic infections entailing recent developments in our understanding of the pathogenesis and control of parasitic diseases. In-between are sections on important parasitic infections in livestock organized by the parasite agents - helminths, protozoa and arthropods - plus a section on diagnostic parasitology. This book is an essential reference for veterinary students, practicing veterinarians and researchers in the field of parasitology.

Chapter 1. .Introductory Parasitology. *Hany M. Elsheikha and Naveed Ahmed Khan*

Chapter 2. .Principles of Parasite Infection. *Hany M. Elsheikha and Naveed Ahmed Khan*

Chapter 3. .The Immune Defenses of The Host. *Neil Foster and Hany M. Elsheikha*

Chapter 4. .Major Nematode Infections. *Hany M. Elsheikha*

Chapter 5. Major Cestode Infections. *Hany M. Elsheikha*

Chapter 6. .Major Fluke Infections. *Philip J. Skuce*

Chapter 7. .Diseases Caused by Protozoa. *Naveed Ahmed Khan and Hany M. Elsheikha*

Chapter 8. .Diseases Caused by Insects. *Heinz Sager and Hany M. Elsheikha*

Chapter 9. .Diseases Caused by Acarines. *Heinz Sager and Hany M. Elsheikha*

Chapter 10. .Tick-Borne Diseases. *Hany M. Elsheikha*

Chapter 11. .Laboratory Diagnosis of Parasitic Infections. *David J. Bartley and Hany M. Elsheikha*

Chapter 12. .Pathology Associated with Parasitic Infections. *Scott D. Fitzgerald*

Chapter 13. .Controlling Parasites. *Hany M. Elsheikha and Gerald C. Coles*

Chapter 14. .Antiparasitic Drugs: Mechanisms of Action and Resistance. *Hany M. Elsheikha, Steven McOrist and Timothy G. Geary*

Chapter 15. .Biology and Management of Anthelmintic Resistance. *Ray M. Kaplan*

Order from:

Caister Academic Press, c/o Book Systems Plus <http://www.caister.com/order>

☞ **MALDI-TOF Mass Spectrometry in Microbiology**

Edited by: Markus Kostrzewa and Sören Schubert (Published: 2016)

☞ ***Aspergillus* and *Penicillium* in the Post-genomic Era**

Edited by: Ronald P. de Vries, Isabelle Benoit Gelber and Mikael Rørdam Andersen (Published: 2016)

☞ **The Bacteriocins: Current Knowledge and Future Prospects**

Edited by: Robert L. Dorit, Sandra M. Roy and Margaret A. Riley (Published: 2016)

☞ **Omics in Plant Disease Resistance**

Edited by: Vijai Bhadauria (Published: 2016)

☞ **Acidophiles: Life in Extremely Acidic Environments**

Edited by: Raquel Quatrini and D. Barrie Johnson (Published: 2016)

☞ **Climate Change and Microbial Ecology: Current Research and Future Trends**

Edited by: Jürgen Marxsen (Published: 2016)

☞ **Biofilms in Bioremediation: Current Research and Emerging Technologies**

Edited by: Gavin Lear (Published: 2016)

☞ **Microalgae: Current Research and Applications**

Edited by: Maria-Nefeli Tsaloglou (Published: 2016)

☞ **Gas Plasma Sterilization in Microbiology: Theory, Applications, Pitfalls and New Perspectives**

Edited by: Hideharu Shintani and Akikazu Sakudo (Published: 2016)

☞ **Virus Evolution: Current Research and Future Directions**

Edited by: Scott C. Weaver, Mark Denison, Marilyn Roossinck and Marco Vignuzzi (Published: 2016)

☞ **Arboviruses: Molecular Biology, Evolution and Control**

Edited by: Nikos Vasilakis and Duane J. Gubler (Published: 2016)

☞ ***Shigella*: Molecular and Cellular Biology**

Edited by: William D. Picking and Wendy L. Picking (Published: 2016)

☞ **Aquatic Biofilms: Ecology, Water Quality and Wastewater Treatment**

Edited by: Anna M. Romání, Helena Guasch and M. Dolors Balaguer (Published: 2016)

☞ **Alphaviruses: Current Biology**

Edited by: Suresh Mahalingam, Lara Herrero and Belinda Herring (Published: 2016)

☞ **Thermophilic Microorganisms**

Edited by: Fu-Li Li (Published: 2015)

☞ **Flow Cytometry in Microbiology: Technology and Applications**

Edited by: Martin G. Wilkinson (Published: 2015)

"an impressive group of experts" ([ProtoView](#))

☞ **Probiotics and Prebiotics: Current Research and Future Trends**

Edited by: Koen Venema and Ana Paula do Carmo (Published: 2015)

☞ **Epigenetics: Current Research and Emerging Trends**

Edited by: Brian P. Chadwick (Published: 2015)

"this is one text you don't want to miss" ([Epigenie](#)); "up-to-date information" ([ChemMedChem](#))

☞ ***Corynebacterium glutamicum*: From Systems Biology to Biotechnological Applications**

Edited by: Andreas Burkovski (Published: 2015)

"Without question a valuable book" ([BIOSpektrum](#))

☞ **Advanced Vaccine Research Methods for the Decade of Vaccines**

Edited by: Fabio Bagnoli and Rino Rappuoli (Published: 2015)