

# PARASITOLOGY

## CONTENTS

### RESEARCH ARTICLES

The high resolution melting analysis (HRM) as a molecular tool for monitoring parasites of the wildlife Laurent Héritier, Olivier Verneau, Gregory Breuil and Anne-Leila Meisterzheim	563	Molecular cloning, characterization and antigenicity of <i>Babesia</i> sp. BQ1 (Lantan) ( <i>Babesia cf. motasi</i> ) apical membrane antigen-1 (AMA-1) Qingli Niu, Zhijie Liu, Jifei Yang, Guiquan Guan, Yuping Pan, Jianxun Luo and Hong Yin	641
Characterization of cyclin-dependent kinases and Cdc2/Cdc28 kinase subunits in <i>Trichomonas vaginalis</i> Erick Amador, Karla López-Pacheco, Nataly Morales, Roberto Coria and Imelda López-Villaseñor	571	<i>Hepatozoon silvestris</i> sp. nov.: morphological and molecular characterization of a new species of <i>Hepatozoon</i> (Adeleorina: Hepatozoidae) from the European wild cat ( <i>Felis silvestris silvestris</i> ) Adnan Hodžić, Amer Alić, Senad Prašović, Domenico Otranto, Gad Baneth and Georg Gerhard Duscher	650
A novel assay for the detection of anthelmintic activity mediated by cuticular damage to nematodes: validation on <i>Caenorhabditis elegans</i> exposed to cysteine proteinases A.M. Phiri, D.I. De Pomerai, D.J. Buttle and J.M. Behnke	583	Two's a crowd? Crowding effect in a parasitic castrator drives differences in reproductive resource allocation in single vs double infections Caitlin R. Fong, Nancy A. Moron and Armand M. Kuris	662
Evolution of host range in the follicle mite <i>Demodex kutzeri</i> Michael F. Palopoli, Van Tra, Kassey Matoin and Phuong D. Mac	594	Epidemiology of soil-transmitted helminthiases-related mortality in Brazil Francisco R. Martins-Melo, Alberto N. Ramos Jr, Carlos H. Alencar, Mauricélia S. Lima and Jorg Heukelbach	669
Genetic divergence of human pathogens <i>Nanophyetus</i> spp. (Trematoda: Troglotrematidae) on the opposite sides of the Pacific Rim A.N. Voronova, G.N. Chelomina, V.V. Besprozvannyykh and V.V. Tkach	601	The diversity and evolution of nematodes (Pharyngodonidae) infecting New Zealand lizards Sarah Mockett, Trent Bell, Robert Poulin and Fátima Jorge	680
Detection and molecular identification of <i>Hepatozoon canis</i> and <i>Babesia vogeli</i> from domestic dogs in Palestine Kifaya Azmi, Amer Al-Jawabreh, Abedelmajeed Nasreddin, Ahmad Abdelkader, Taher Zaid, Suheir Freqat, Samer S. Sawalha, Gad Baneth and Ziad Abdeen	613	The effects of seasonality on host-bat fly ecological networks in a temperate mountain cave Karina D. Rivera-García, César A. Sandoval-Ruiz, Romeo A. Saldaña-Vázquez and Jorge E. Schondube	692
High rates of infection by blood parasites during the nestling phase in UK Columbids with notes on ecological associations Jenny C. Dunn, Jennifer E. Stockdale, Emma L. Bradford, Alexandra McCubbin, Antony J. Morris, Philip V. Grice, Simon J. Goodman and Keith C. Hamer	622	Do blood parasites infect Magellanic penguins ( <i>Spheniscus magellanicus</i> ) in the wild? Prospective investigation and climatogeographic considerations Ralph Eric Thijl Vanstreels, Marcela Uhart, Virginia Rago, Renata Hurtado, Sabrina Epiphanió and José Luiz Catão-Dias	698
Haemosporida prevalence and diversity are similar in endangered wild whooping cranes ( <i>Grus americana</i> ) and sympatric sandhill cranes ( <i>Grus canadensis</i> ) Miranda R. Bertram, Gabriel L. Hamer, Barry K. Hartup, Karen F. Snowden, Matthew C. Medeiros and Sarah A. Hamer	629		