

PARASITOLOGY

CONTENTS

RESEARCH ARTICLES

| | | | |
|---|-----|---|-----|
| Validation of droplet digital PCR for the detection and absolute quantification of <i>Borrelia</i> DNA in <i>Ixodes scapularis</i> ticks Jenny L. King, Ashley D. Smith, Elizabeth A. Mitchell and Michael S. Allen | 359 | Ectoparasites of small-mammals: determinants of community structure in South American savannah J. Sponchiado, G. L. Melo, T. F. Martins, F. S. Krawczak, F. C. Jacinavicius, M. B. Labruna, D. M. Barros-Battesti and N. C. Cáceres | 475 |
| Central European parasitic flatworms of the Cyclocoelidae Stossich, 1902 (Trematoda: Plagiorchida): molecular and comparative morphological analysis suggests the reclassification of <i>Cyclocoelum obscurum</i> (Leidy, 1887) into the <i>Harrahium</i> Witenberg, 1926 Jiří Sitko, Jiří Bízos and Petr Heneberg | 368 | Pathological and phylogenetic characterization of <i>Amphibiothecum</i> sp. infection in an isolated amphibian (<i>Lissotriton helveticus</i>) population on the island of Rum (Scotland) Caterina Fiegna, Charlotte L. Clarke, Darren J. Shaw, Johanna L. Baily, Frances C. Clare, Alexandra Gray, Trenton W. J. Garner and Anna L. Meredith | 484 |
| Antioxidant defense of Nrf2 vs pro-inflammatory system of NF-κB during the amoebic liver infection in hamster Liseth R. Aldaba-Muruato, Martín H. Muñoz-Ortega, María Del R. Campos-Espárza, José R. Macías-Pérez, Nayeli A. Márquez-Muñoz, Ana G. Villalobos-Santos and Javier Ventura-Juárez | 384 | Description and experimental transmission of <i>Tetracapsuloides vermiciformis</i> n. sp. (Cnidaria: Myxozoa) and guidelines for describing malacosporean species including reinstatement of <i>Buddenbrockia bryozooides</i> n. comb. (syn. <i>Tetracapsula bryozooides</i>) Sneha Patra, Ashlie Hartigan, David J. Morris, Alena Kodádková and Astrid S. Holzer | 497 |
| Diversity and distribution of avian haemosporidians in sub-Saharan Africa: an inter-regional biogeographic overview Diana C. Outlaw, Johanna A. Harvey, Sergei V. Drovetski and Gary Voelker | 394 | Murine models susceptibility to distinct <i>Trypanosoma cruzi</i> I genotypes infection Cielo M. León, Marleny Montilla, Ricardo Vanegas, María Castillo, Edgar Parra and Juan David Ramírez | 512 |
| <i>Leishmania donovani</i> development in <i>Phlebotomus argentipes</i> : comparison of promastigote- and amastigote-initiated infections Jovana Sadlova, Jitka Myskova, Tereza Lestinova, Jan Votypka, Matthew Yeo and Petr Volf | 403 | Oxidative stress and changes in adenosine deaminase activity of cattle experimentally infected by <i>Fasciola hepatica</i> Aleksandro S. da Silva, Matheus D. Baldissera, Nathieli B. Bottari, Matheus E. Gabriel, Leandro A. Rhoden, Manoela M. Piva, Ricardo Christ, Fernanda A. Stedile, Anderson Gris, Vera M. Morsch, Maria Rosa Schetinger and Ricardo E. Mendes | 520 |
| The prevalence of <i>Aphanomyces astaci</i> in invasive signal crayfish from the UK and implications for native crayfish conservation J. James, S. Nutbeam-Tuffs, J. Cable, A. Mrugala, N. Viñuela-Rodríguez, A. Petrusk and B. Oldtmann | 411 | <i>Plasmodium knowlesi</i> and human malaria parasites in Khan Phu, Vietnam: Gamete production in humans and frequent co-infection of mosquitoes Y. Maeno, R. Culleton, N. T. Quang, S. Kawai, R. P. Marchand and S. Nakazawa | 527 |
| Gregarine infection accelerates larval development of the cat flea <i>Ctenocephalides felis</i> (Bouché) M. E. Alarcón, A. Jara-F., R. C. Briones, A. K. Dubey and C. H. Slamovits | 419 | Oligopeptidase B and B2: comparative modelling and virtual screening as searching tools for new antileishmanial compounds Ana Carolina R. Sodero, Ana Carolina G. O. Dos Santos, Juliana F. R. E. Mello, Jéssica B. de Jesus, Alessandra M. T. de Souza, Maria Isabel C. Rodrigues, Salvatore G. de Simone, Carlos R. Rodrigues and Herbert L. de Matos Guedes | 536 |
| Usefulness of gel filtration fraction as potential biomarker for neurocysticercosis in serum: towards a new diagnostic tool D. S. Nunes, H. T. Gonzaga, V. S. Ribeiro, J. P. Cunha-Júnior and J. M. Costa-Cruz | 426 | <i>Leishmania infantum</i> : illness, transmission profile and risk factors for asymptomatic infection in an endemic metropolis in Brazil Letícia Helena Dos Santos Marques, Iara Caixeta Marques da Rocha, Ilka Afonso Reis, Gisele Macedo Rodrigues da Cunha, Edward Oliveira, Thais Ribeiro Pfleilsticker, Valdelaine Etelvina Miranda de Araújo, Maria Helena Franco Morais, Ana Rabello and Mariângela Carneiro | 546 |
| Spatial and temporal variation in macroparasite communities of three-spined stickleback Rebecca E. Young and Andrew D. C. MacColl | 436 | The relationship of endotoxaemia to peripheral and central nervous system inflammatory responses in Human African Trypanosomiasis Lorna MacLean, Eltayb A. Aboubaker, Peter G. E. Kennedy and Jeremy M. Sternberg | 557 |
| Genetic polymorphism and population structure of <i>Echinococcus ortleppi</i> F. Addy, M. Wassermann, F. Banda, H. Mbaya, J. Aschenborn, O. Aschenborn, P. Koskei, G. Umhang, M. de La Rue, I. E. Elmahdi, U. Mackenstedt, P. Kern and T. Romig | 450 | Cross-reactivity of the 31 kDa antigen of <i>Angiostrongylus cantonensis</i> – Dealing with the immunodiagnosis of meningoencephalitis Alessandra L. Morassutti, Lisa N. Rascoe, Sukwan Handali, Alexandre J. da Silva, Patricia P. Wilkins and Carlos Graeff-Teixeira | |
| Smelling the future: subtle life-history adjustments in response to environmental conditions and perceived transmission opportunities in a trematode C. Lagrue, R. Rinnevalli and R. Poulin | 459 | | |
| | 464 | | |