

# PARASITOLOGY

## CONTENTS

### REVIEW ARTICLES

**Anti-inflammatory and antioxidant therapies for chagasic myocarditis: a systematic review**

Dayanne S. Freitas, Andressa S. Silva Godinho, Renata Mondêgo-Oliveira, Flávia de Oliveira Cardoso, Ana Lucia Abreu-Silva and Lucilene A. Silva

603

**Wild carnivores, domestic dogs and ticks: shared parasitism in the Brazilian Cerrado**

V. N. Ramos, F. G. Lemos, F. C. Azevedo, R. C. Arrais, C. F. M. Lima, I. Z. Candeias, M. M. Martins, A. C. L. G. Sandrin, S. M. Siqueira and M. P. J. Szabó

689

**Computational approaches for drug discovery against trypanosomatid-caused diseases**

Claudio A. Pereira, Melisa Sayé, Chantal Reigada, Ariel M. Silber, Guillermo R. Labadie, Mariana R. Miranda and Edward Valera-Vera

611

***Arthrobotrys cladodes* and *Pochonia chlamydosporia* in the biological control of nematodiosis in extensive bovine production system**

Ítalo Stoupa Vieira, Isabela de Castro Oliveira, Samuel Galvão Freitas, Artur Kanadani Campos and Jackson Victor de Araújo

699

**Heat shock protein 70 (Hsp70) in *Schistosoma mansoni* and its role in decreased adult worm sensitivity to praziquantel**

Iman F. Abou-El-Naga

634

**Crayfish plague affects juvenile survival and adult behaviour of invasive signal crayfish**

John Rhidian Thomas, Chloe V. Robinson, Agata Mrugala, Amy R. Ellison, Emily Matthews, Siân W. Griffiths, Sofia Consuegra and Jo Cable

706

***Monorchis parvus* and *Gymnophallus choledochus*: two trematode species infecting cockles as first and second intermediate host**

Lúsa Magalhães, Guillemine Daffe, Rosa Freitas and Xavier de Montaudouin

643

**Use of polyclonal IgY antibodies to detect serum immune complexes in patients with active hookworm infection**

Dayane Costa de Souza, Lucas Silva de Faria, José Eduardo Neto de Sousa, Camila de Almeida Lopes, Vanessa da Silva Ribeiro, Vivian Jordania da Silva, Raphaella Paula Ribeiro, Élida Mara Leite Rabelo, Veridiana Melo Rodrigues Ávila, Álvaro Ferreira Júnior and Julia Maria Costa-Cruz

715

### RESEARCH ARTICLES

**Ascarids exposed: a method for *in vitro* drug exposure and gene expression analysis of anthelmintic naïve *Parascaris* spp**

J. A. Scare, P. Dini, J. K. Norris, A. E. Steuer, K. Scoggins, H. S. Gravatte, D. K. Howe, P. Slusarewicz and M. K. Nielsen

659

**Feeding performance on a novel host: no adaptation over generations and differential patterns in two flea species**

Irina S. Khokhlova, Laura J. Fielden, Elizabeth M. Warburton, Luther van der Mescht and Boris R. Krasnov

721

**National survey and molecular diagnosis of *Echinococcus granulosus* sensu lato in livestock in France, 2012**

Gérald Umhang, Céline Richomme, Vanessa Bastid, Jean-Marc Boucher, Carine Peytavin de Garam, Sabine Itié-Hafez, Corinne Danan and Franck Boué

667

**Numerous *Fasciola* plasminogen-binding proteins may underlie blood-brain barrier leakage and explain neurological disorder complexity and heterogeneity in the acute and chronic phases of human fascioliasis – CORRIGENDUM**

J. Gonzalez-Miguel, M. A. Valero, M. Reguera-Gómez, C. Mas-Bargues, M. D. Bargues, F. Simon-Martin and S. Mas-Coma

729

**Infection of *Hexametra angusticaecoides* Chabaud & Brygoo, 1960 (Nematoda: Ascarididae) in a population of captive crested geckoes, *Correlophus ciliatus* Guichenot (Reptilia: Diplodactylidae)**

Diane P. Barton, Paolo Martelli, William Luk, Xiaocheng Zhu and Shokoofeh Shamsi

673

**The mitochondrial genome of *Angiostrongylus mackerrasae* is distinct from *A. cantonensis* and *A. malayensis***

Hayley Valentine, David M. Spratt, Mahdis Aghazadeh, Malcolm K. Jones and Jan Šlapeta

681