

PARASITOLOGY

CONTENTS

REVIEW ARTICLE

Why calpain inhibitors are interesting leading compounds to search for new therapeutic options to treat leishmaniasis?

Vitor Ennes-Vidal, Rubem Figueiredo Sadock Menna-Barreto, Marta Helena Branquinho, André Luis Souza Dos Santos and Claudia Masini d'Avila-Levy 117

RESEARCH ARTICLES

Potential immunological markers for diagnosis of human strongyloidiasis using heterologous antigens

M.A. Corral, F.M. Paula, D.M.C.L. Meisel, V.L.P. Castilho, E.M.N. Gonçalves, D. Levy, S.P. Bydlowski, P.P. Chieffi, W. Castro-Borges and R.C.B. Gryschek 124

Loads of trematodes: discovering hidden diversity of paramphistomoids in Kenyan ruminants

Martina R. Laidemitt, Eva T. Zawadzki, Sara V. Brant, Martin W. Mutuku, Gerald M. Mkoji and Eric S. Loker 131

Nerolidol-loaded nanospheres prevent hepatic oxidative stress of mice infected by *Trypanosoma evansi*

Matheus D. Baldissera, Carine F. Souza, Thirssa H. Grando, Geisa S. Dolci, Luciana F. Cossetin, Karen L.S. Moreira, Marcelo L. da Veiga, Maria Izabel U.M. da Rocha, Aline A. Boligon, Marli M.A. de Campos, Lenita M. Stefani, Aleksandro S. da Silva and Sílvia G. Monteiro 148

Motility, morphology and phylogeny of the plasmoidal worm, *Ceratomyxa vermiformis* n. sp. (Cnidaria: Myxozoa: Myxosporea)

E.A. Adriano and B. Okamura 158

Parasites of the Brazilian flathead *Percophis brasiliensis* reflect West Atlantic biogeographic regions

Paola E. Braicovich, Camila Pantoja, Aldenice N. Pereira, Jose L. Luque and Juan T. Timi 169

Activity of two extracts of *Cynanchum paniculatum* against *Ichthyophthirius multifiliis* theronts and tomites

Wen Ji-Hong, Wang Yan-Li, Liu Yu-Hua, Zhang Ji-Yuan and Li Ze-Hong 179

***Hyperspora aquatica* n.g.n., n.sp. (Microsporidia), hyperparasitic in *Marteilia cochillia* (Paramyxida), is closely related to crustacean-infecting microsporidian taxa**

G.D. Stentiford, A. Ramilo, E. Abollo, R. Kerr, K.S. Bateman, S.W. Feist, D. Bass and A. Villalba 186

Predictability of helminth parasite host range using information on geography, host traits and parasite community structure

Tad Dallas, Andrew W. Park and John M. Drake 200

Nuclear and mitochondrial DNA analysis reveals that hybridization between *Fasciola hepatica* and *Fasciola gigantica* occurred in China

Madoka Ichikawa-Seki, Mao Peng, Kei Hayashi, Takuya Shoriki, Uday Kumar Mohanta, Toshiyuki Shibahara and Tadashi Itagaki 206

In vitro* and *ex vivo* activity of *Melaleuca alternifolia* against protoscoleces of *Echinococcus ortleppi

Danieli Urach Monteiro, Maria Isabel Azevedo, Carla Weiblen, Sônia de Avila Botton, Nadine Lysyk Funk, Cristiane de Bona da Silva, Régis Adriel Zanette, Thiago Guilherme Schwanz and Mário Luiz de la Rue 214

Molecular characterization and detection of variants of *Taenia multiceps* in sheep in Turkey

Betul Sonmez, Ergun Koroglu and Sami Simsek 220

***Orientatractis moravecii* n. sp. and *Rondonia rondoni* Travassos, 1920 (Nematoda: Atractidae), parasites of**

***Pimelodus blochii* (Osteichthyes, Pimelodidae) from the Acre and Xapuri Rivers, Western Amazon, Brazil**
Pedro H.O. Cavalcante, Maralina T. Silva, Everton G.N. Santos, Vanessa A. Chagas-Moutinho and Claudia P. Santos 226

Rumen fluke (*Calicophoron daubneyi*) on Welsh farms: prevalence, risk factors and observations on co-infection with *Fasciola hepatica*

Rhys Aled Jones, Peter M. Brophy, E. Sian Mitchell and Hefin Wyn Williams 237

Between-individual variation in nematode burden among juveniles in a wild host

H.M.V. Granroth-Wilding, F. Daunt, E.J.A. Cunningham and S.J. Burthe 248