Journal of Helminthology

Volume 89 2015 ISSN: 0022–149X

journals.cambridge.org/jhl

Publishing, Production, Marketing, and Subscription Sales Office:

Cambridge University Press Journals Fullfillment Dept University Printing House Shaftesbury Road Cambridge CB2 8BS UK

For Customers in North America:

Cambridge University Press Journals Fullfillment Dept 100 Brook Hill Drive West Nyack New York 10994- 2133 USA

Editorial Assistant: Sharon Ryan

Journal of Helminthology is an international journal published by Cambridge University Press in January, March, May, July, September and November.

Special sales and supplements:

This journal accepts advertising and inserts. We also provide bulk reprints of suitable papers to meet teaching or promotional requirements. The journal also publishes abstracts and proceedings on behalf of academic and corporate sponsors. Please contact The Publisher at special_sales@cambridge.org.

Subscription information:

The subscription rates for Volume 89,2015 (6 issues): Internet only: £660/\$1224 Americas only

Any **supplements** to this journal published in the course of the annual volume are normally supplied to subscribers at no extra charge.

Back volumes are available. Please contact Cambridge University Press for further information.

Claims for non-receipt of journal issues will be considered on their merit and only if the claim is received within six months of publication. Replacement copies supplied after this date will be chargeable.

US POSTMASTERS: please send address corrections to CUP Cambridge.

Information for Authors:

An electronic version, preferably in Microsoft Word, should be submitted online at http://www.editorialmanager.com/joh

Notes for Authors are available from the journal home page: http://journals.cambridge.org/jhl.

Offprints: Authors will receive a PDF of their article via email.

Copyright: CUP, 2015. All rights reserved: permission for reproduction of any part of the journal (text, figures, tables or other matter) in any form (on paper, microfiche or electronically) should be sought directly from the Publisher, or a licence permitting restricted copying obtained from the Copyright Licensing Agency, Tottenham Court Road, London W1P 9HE, UK, or in the USA by the Central Clearance Center, 27 Congress Street, Salem MA 01970.

Disclaimer: The information contained herein, including any expression of opinion and any projection or forecast, has been obtained from or is based upon sources believed by us to be reliable, but is not guaranteed as to accuracy or completeness. The information is supplied without obligation and on the understanding that any person who acts upon it or otherwise changes his/her position in reliance thereon does so entirely at his/her own risk.

Cambridge University Press does not accept responsibility for any trade advertisement included in this publication.

This journal is printed on acid-free paper from renewable sources. Typeset by the OKS Prepress Services, India and printed by Latimer Trend, Devon, UK.

Journal of Helminthology is covered in Current Contents®/ Agriculture, Biology & Environmental Sciences, SciSearch®, Research Alert®, BIOSIS, CAB ABSTRACTS, Index Medicus® (MEDLINE®), Chemical Abstracts Service Excerpta Medica

JOURNAL OF

HELMINTHOLOGY

CONTENTS

Research Articles

Soriano, S.V., Pierangeli, N.B., Pianciola, L.A., Mazzeo, M., Lazzarini, L.E., Debiaggi, M.F., Bergagna, H.F.J. & Basualdo, J.A. The optimum cut-off value to differentiate *Echinococcus granulosus* sensu stricto from other species of *E. granulosus* sensu lato using larval rostellar hook morphometry 1

Lacerda, A.C.F., Takemoto, R.M., Marchiori, N.C., Martins, M.L. & Pavanelli, G.C. New species of *Cucullanus* (Nematoda: Cucullanidae), an intestinal parasite of the peacock bass *Cichla piquiti* (Perciformes: Cichlidae) from the Tocantins River, Brazil 9

Fitz-Aranda, J.A., Mendoza-de-Gives, P., Torres-Acosta, J.F.J., Liébano-Hernández, E., López-Arellano, M.E., Sandoval-Castro, C.A. & Quiroz-Romero, H. Duddingtonia flagrans chlamydospores in nutritional pellets: effect of storage time and conditions on the trapping ability against Haemonchus contortus larvae 13

Marigo, J., Cunha, H.A., Bertozzi, C.P., Souza, S.P., Rosas, F.C.W., Cremer, M.J., Barreto, A.S., de Oliveira, L.R., Cappozzo, H.L., Valente, A.L.S., Santos, C.P. & Vicente, A.C.P. Genetic diversity and population structure of *Synthesium pontoporiae* (Digenea, Brachycladiidae) linked to its definitive host stocks, the endangered Franciscana dolphin, *Pontoporia blainvillei* (Pontoporiidae) off the coast of Brazil and Argentina 19

Ćirović, D., Pavlović, I., Penezić, A., Kulišić, Z. & Selaković, S. Levels of infection of intestinal helminth species in the golden jackal *Canis aureus* from Serbia 28

Melo, F.T.V., Costa, P.A.F.B., Giese, E.G., Gardner, S.L. & Santos, J.N. A description of *Neoechinorhynchus* (*Neoechinorhynchus*) *veropesoi* n. sp. (Acanthocephala: Neoechinorhynchidae) from the intestine of the silver croaker fish *Plagioscion squamosissimus* (Heckel, 1840) (Osteichthyes: Sciaenidae) off the east coast of Brazil 34

Panti-May, J.A., Hernández-Betancourt, S.F., Rodríguez-Vivas, R.I. & Robles, M.R. Infection levels of intestinal helminths in two commensal rodent species from rural households in Yucatan, Mexico 42

Solano, S., Zepeda, N., Copitin, N., Fernandez, A.M., Tato, P. & Molinari, J.L. A *Taenia crassiceps* metacestode factor enhances ovarian follicle atresia and oocyte degeneration in female mice 49

Dos Santos, Q.M., Jansen van Vuuren, B. & Avenant-Oldewage, A. Paradiplozoon vaalense n. sp. (Monogenea: Diplozoidae) from the gills of moggel, Labeo umbratus (Smith, 1841), in the Vaal River System, South Africa 58

Schutgens, M., Cook, B., Gilbert, F. & Behnke, J.M. Behavioural changes in the flour beetle *Tribolium confusum* infected with the spirurid nematode *Protospirura muricola* 68

Liébano-Hernández, E., González-Olvera, M., Vázquez-Peláez, C., Mendoza-de-Gives, P., Ramírez-Vargas, G., Peralta-Lailson, M., Reyes-García, M.E., Osorio, J., Sánchez-Pineda, H. & López-Arellano, M.E. Benzimidazole-resistant gastrointestinal nematodes in indigenous Chiapas and Pelibuey sheep breeds from Chiapas, Mexico 80

Kleinertz, S. & Palm, H.W. Parasites of the grouper fish *Epinephelus coioides* (Serranidae) as potential environmental indicators in Indonesian coastal ecosystems 86

Moghaddas, E., Borji, H., Naghibi, A., Shayan, P. & Razmi, G.R. Molecular genotyping of *Echinococcus granulosus* from dromedaries (*Camelus dromedarius*) in eastern Iran 100

Kihara, J.H., Kutima, H.L., Ouma, J., Churcher, T.S., Changoma, J.M., Mwalisetso, M.A., French, M.D. & Mwandawiro, C.S. Urogenital schistosomiasis in women of reproductive age and pregnant mothers in Kwale County, Kenya 105

Al-Sabi, M.N.S., Jensen, P.M. Christensen, M.U. & Kapel, C.M.O. Morphological and molecular analyses of larval taeniid species in small mammals from contrasting habitats in Denmark 112

Short Communications

Sadaow, L., Tantrawatpan, C., Intapan, P.M., Lulitanond, V., Boonmars, T., Morakote, N., Pozio, E. & Maleewong, W. Molecular differentiation of *Trichinella spiralis*, *T. pseudospiralis*, *T. papuae* and *T. zimbabwensis* by pyrosequencing 118

Bian, Q.Q., Zhao, G.H., Jia, Y.Q., Fang, Y.Q., Cheng, W.Y., Du, S.Z., Ma, X.T. & Lin, Q. Characterization of *Dicrocoelium dendriticum* isolates from small ruminants in Shaanxi Province, north-western China, using internal transcribed spacers of nuclear ribosomal DNA 124

Cambridge Journals Online
For further information about this journal
please go to the journal website at:
journals.cambridge.org/jhl



