

Journal of Helminthology

Volume 89 2015

ISSN: 0022-149X

journals.cambridge.org/jhl

Publishing, Production, Marketing, and Subscription Sales Office:
Cambridge University Press
Journals Fulfillment Dept
University Printing House
Shaftesbury Road
Cambridge CB2 8BS
UK

For Customers in North America:
Cambridge University Press
Journals Fulfillment 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

Review/Research Articles

Symposium on Echinococcosis

Abdybekova, A., Sultanov, A., Karatayev, B., Zhumabayeva, A., Shapiyeva, Z., Yeshmuratov, T., Toksanbayev, D., Shalkeev, R. & Torgerson, P.R. Epidemiology of echinococcosis in Kazakhstan: an update 647

Raimkylov, K.M., Kuttubaev, O.T. & Toigombaeva, V.S. Epidemiological analysis of the distribution of cystic and alveolar echinococcosis in Osh Oblast in the Kyrgyz Republic, 2000–2013 651

Mastin, A., van Kesteren, F., Torgerson, P.R., Ziadinov, I., Mytynova, B., Rogan, M.T., Tursunov, T. & Craig, P.S. Risk factors for *Echinococcus* coproantigen positivity in dogs from the Alay valley, Kyrgyzstan 655

Afonso, E., Knapp, J., Tête, N., Umhang, G., Rieffel, D., van Kesteren, F., Ziadinov, I., Craig, P.S., Torgerson, P.R. & Giraudoux, P. *Echinococcus multilocularis* in Kyrgyzstan: similarity in the Asian EmsB genotypic profiles from village populations of Eastern mole voles (*Ellobius tancrei*) and dogs in the Alay valley 664

Feng, X., Qi, X., Yang, L., Duan, X., Fang, B., Gongsang, Q., Bartholomot, B., Vuitton, D.A., Wen, H., & Craig, P.S. Human cystic and alveolar echinococcosis in the Tibet Autonomous Region (TAR), China 671

Ito, A. & Budke, C.M. The present situation of echinococcoses in Mongolia 680

Boufana, B., Lett, W., Lahmar, S., Griffiths, A., Jenkins, D.J., Buishi, I., Engliez, S.A., Alrefadi, M.A., Eljaki, A.A., Elmestiri, F.M., Reyes, M.M., Pointing, S., Al-Hindi, A., Torgerson, P.R., Okamoto, M. & Craig, P.S. Canine echinococcosis: genetic diversity of *Echinococcus granulosus* sensu stricto (s.s.) from definitive hosts 689

Research Articles

Dar, Y., Vignoles, P., Rondelaud, D. & Dreyfuss, G. Role of the lymnaeid snail *Pseudosuccinea columella* in the transmission of the liver fluke *Fasciola hepatica* in Egypt 699

Fernández-Fígares, V., Rodero, M., Valls, A., De Frutos, C., Daschner, A. & Cuéllar, C. Positive associations between infections of *Toxoplasma gondii* and seropositivity with *Anisakis simplex* in human patients suffering from chronic urticaria 707

Cossa-Moiane, I.L., Mendes, T., Ferreira, T.M., Mauricio, I., Calado, M., Afonso, A. & Belo, S. The role of the immunological background of mice in the genetic variability of *Schistosoma mansoni* as detected by random amplification of polymorphic DNA 714

Dreyfuss, G., Correa, A.C., Djuikwo-Teukeng, F.F., Novobilský, A., Höglund, J., Pankrác, J., Kašný, M., Vignoles, P., Hurtrez-Boussès, S., Pointier, J.P. & Rondelaud, D. Differences in the compatibility of infection between the liver flukes *Fascioloides magna* and *Fasciola hepatica* in a Colombian population of the snail *Galba* sp. 720

Debenedetti, A.L., Sainz-Elipe, S., Sáez-Durán, S., Galicia, D., Imaz, A., Galán-Puchades, M.T. & Fuentes, M.V. The helminth community of the wood mouse *Apodemus sylvaticus* from the Erro River valley, Navarre, Spain 727

Mele, S., Saber, S., Gómez-Vives, M.J., Garippa, G., Alemany, F., Macías, D. & Merella, P. Metazoan parasites in the head region of the bullet tuna *Auxis rochei* (Osteichthyes: Scombridae) from the western Mediterranean Sea 734

Mohd Zain, S.N., Rahman, R. & Lewis, J.W. Stray animal and human defecation as sources of soil-transmitted helminth eggs in playgrounds of Peninsular Malaysia 740

Achiorno, C.L., De Villalobos, C. & Ferrari, L. Susceptibility of preparasitic stages of *Chordodes nobilis* (Gordiida, Nematomorpha) to the fungicide carbendazim 748

Mozzer, L.R., Coaglio, A.L., Dracz, R.M., Ribeiro, V.M.A. & Lima, W.S. The development of *Angiostrongylus vasorum* (Baillet, 1866) in the freshwater snail *Pomacea canaliculata* (Lamarck, 1822) 755

Short Communications

Lassen, B. & Peltola, S.-M. Anthelmintic resistance of intestinal nematodes to ivermectin and pyrantel in Estonian horses 760

Ewaisha, R.E., Bahey-El-Din, M., Mossallam, S.F., Khalil, A.M. & Aboushleib, H.M. Successful detection, expression and purification of the alternatively spliced truncated Sm14 antigen of an Egyptian strain of *Schistosoma mansoni* 764

Ferrer, E., Pérez, F., Bello, I., Bolívar, A., Lares, M., Osorio, A., León, L., Amarista, M. & Incani, R.N. Polymerase chain reaction for the amplification of the 121-bp repetitive sequence of *Schistosoma mansoni*: a highly sensitive potential diagnostic tool for areas of low endemicity 769

Erratum/Corrigendum

Mascarenhas, C.S. & Müller, G. Third-stage larvae of the enoplid nematode *Diophyphyme renale* (Goeze, 1782) in the freshwater turtle *Trachemys dorbignyi* from southern Brazil – CORRIGENDUM 774

Cambridge Journals Online

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



CAMBRIDGE
UNIVERSITY PRESS