Journal of Helminthology Volume 91 2017 ISSN: 0022–149X 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 1 Liberty Plaza, Floor 20, New York, NY 10006, 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 91, 2017 (6 issues): Internet only: £684/\$1268 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: cambridge.org/jhl.

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

Copyright: CUP, 2017. 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.

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

Special Issue Articles

Galaktionov, K.V. Patterns and processes influencing helminth parasites of Arctic coastal communities during climate change 387

Hoberg, E.P., Cook, J.A., Agosta, S.J., Boeger, W., Galbreath, K.E., Laaksonen, S., Kutz, S.J. & Brooks, D.R. Arctic systems in the Quaternary: ecological collision, faunal mosaics and the consequences of a wobbling climate 409

Mattiucci, S., Cipriani, P., Paoletti, M., Levsen, A.

& Nascetti, G. Reviewing biodiversity and epidemiological aspects of anisakid nematodes from the North-east Atlantic Ocean 422

Dupouy-Camet, J., Bourée, P. & Yera, H. *Trichinella* and polar bears: a limited risk for humans 440

Research Articles

Ortu, E., Sanna, G., Scala, A., Pulina, G., Caboni, P. &

Battacone, G. *In vitro* anthelmintic activity of active compounds of the fringed rue *Ruta chalepensis* against dairy ewe gastrointestinal nematodes 447

Tomar, R.S. & Preet, S. Evaluation of anthelmintic activity of biologically synthesized silver nanoparticles against the gastrointestinal nematode, *Haemonchus contortus* 454

da Silva, A.D., da Silva, A.S., Baldissera, M.D., Schwertz, C.I., Bottari, N.B., Carmo, G.M., Machado, G., Lucca, N.J., Henker, L.C., Piva, M.M., Giacomin, P., Morsch, V.M., Schetinger, M.R.C., da Rosa, R.A. & Mendes, R.E. Oxidative stress in dairy cows naturally infected with the lungworm *Dictyocaulus viviparus* (Nematoda: Trichostrongyloidea) 462 **Chin, H.M.-H., Luong, L.T. & Shostak, A.W.** Rehydration methods to recover cysticercoids of the rat tapeworm *Hymenolepis diminuta* from dry flour beetle carcasses 470

England, J.C., Levengood, J.M., Osborn, J.M., Yetter, A.P., Kinsella J.M., Cole, R.A., Suski, C.D.

& Hagy, H.M. Spatiotemporal distributions of intestinal helminths in female lesser scaup *Aythya affinis* during spring migration from the upper Midwest, USA 479

Dunham, N.R. & Kendall, R.J. Eyeworm infections of *Oxyspirura petrowi* Skrjabin, 1929 (Spirurida: Thelaziidae), in species of quail from Texas, New Mexico and Arizona, USA 491

Mohanta, U.K., Rana, H.B., Devkota, B. & Itagaki, T.

Molecular and phylogenetic analyses of the liver amphistome *Explanatum explanatum* (Creplin, 1847) Fukui, 1929 in ruminants from Bangladesh and Nepal based on nuclear ribosomal ITS2 and mitochondrial *nad1* sequences 497

Andrade-Gómez, L., Pinacho-Pinacho, C.D., Hernández-Orts, J.S., Sereno-Uribe, A.L.

& García-Varela, M. Morphological and molecular analyses of a new species of *Saccocoelioides* Szidat, 1954 (Haploporidae Nicoll, 1914) in the fat sleeper *Dormitator maculatus* (Bloch) (Perciformes: Eleotridae) from the Gulf of Mexico 504

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

