

Parasitology

From 2022, the production of Parasitology will transition to online production only but will continue to adhere to monthly production of issues to maintain its delivery of high standard publications.

Back volumes. Vols. 1–71: Inquiries should be addressed to Wm. Dawson & Sons Ltd, Cannon House, Folkestone, Kent. Vols. 72 onwards: quotations for parts still in print may be obtained from Cambridge or the American Branch of Cambridge University Press.

Copying. This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to C.C.C. of the per-copy fee of \$16.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0031–1820/2021 \$16.00.

Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions.

ISI Tear Sheet Service. 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

Claims for missing issues can only be considered if made immediately after receipt of the subsequent issue.

Advertising. Details of advertising in Parasitology may be obtained from the publisher.

Online submission. Authors are encouraged to submit their manuscripts online. Go to <http://mc.manuscriptcentral.com/par/> to open an author's account for Parasitology. Manuscript Central is helping to improve the speed of the publication process for the journal.

Front Cover illustration: Colored images of parasites. Upper left: *Trypanosoma brucei brucei* bloodstream form and an erythrocyte; upper right: *Trichinella spiralis* 1st stage larvae; lower left: *Otodectes cynotis*; lower right: *Giardia lamblia* trophozoites adhering to mouse intestine. Images are provided by the Institute of Parasitology, University of Bern.

© Cambridge University Press 2021

University Printing House, Cambridge CB2 8BS, United Kingdom
1 Liberty Plaza, Floor 20, New York, NY 10006, USA
477 Williamstown Road, Port Melbourne, VIC 3207, Australia
C/O Orense, 4, Planta 13 28020 Madrid, Spain
Lower Ground Floor, Nautica Building, The Water Club, Beach Road,
Granger Bay, 8005 Cape Town, South Africa

Printed in Great Britain by Bell & Bain, Glasgow.

PARASITOLOGY

CONTENTS

REVIEW ARTICLES

Towards the comprehension of fasciolosis (re-)emergence: an integrative overview

Annia Alba, Antonio A. Vazquez and Sylvie Hurtrez-Boussès 385

Efficacy of halofuginone products to prevent or treat cryptosporidiosis in bovine calves: a systematic review and meta-analyses

Julli Brainard, Charlotte C. Hammer, Paul R. Hunter, Frank Katzer, Georgina Hurle and Kevin Tyler 408

RESEARCH ARTICLES

Diagnostic comparison of stool exam and point-of-care circulating cathodic antigen (POC-CCA) test for schistosomiasis mansoni diagnosis in a high endemicity area in northeastern Brazil

Danielle de Freitas Bezerra, Marta Cristhiany Cunha Pinheiro, Luciene Barbosa, Agostinho Gonçalves Viana, Ricardo Toshio Fujiwara and Fernando Schemelzer de Moraes Bezerra 420

The Kubic FLOTAC microscope (KFM): a new compact digital microscope for helminth egg counts

Giuseppe Cringoli, Alessandra Amadesi, Maria Paola Maurelli, Biase Celano, Gabriele Plantadosi, Antonio Bosco, Lavinia Ciuca, Mario Cesarelli, Paolo Bifulco, Antonio Montresor and Laura Rinaldi 427

***Crithidia bombi* can infect two solitary bee species while host survivorship depends on diet**

Laura L. Figueroa, Cali Grincavitch and Scott H. McArt 435

Transmission networks and ectoparasite mite burdens in *Oecomys paricola* (Rodentia: Cricetidae)

Fernanda Rodrigues Fernandes, Somayra da Silva Abreu and Leonardo Dominici Cruz 443

Long-term trends in helminth infections of wood mice (*Apodemus sylvaticus*) from the vicinity of Malham Tarn in North Yorkshire, England

Jerzy M. Behnke, Michael T. Rogan, Philip S. Craig, Joseph A. Jackson and Geoff Hide 451

Early immune responses and parasite tissue distribution in mice experimentally infected with oocysts of either archetypal or non-archetypal genotypes of *Toxoplasma gondii*

Daniela P. Chiebao, Paul M. Bartley, Francesca Chianini, Lauren E. Black, Alison Burrells, Hilda F. J. Pena, Rodrigo M. Soares, Elisabeth A. Innes and Frank Katzer 464

Effect of environmental factors on survival and population growth of ciliated parasite, *Mesanoophrys* sp. (Ciliophora: Scuticociliatia) infecting *Portunus trituberculatus*

Summia Perveen, Yuhua Lei, Fei Yin and Chunlin Wang 477

Effects of first intermediate host density, host size and salinity on trematode infections in mussels of the south-western Baltic Sea

Claudia Bommarito, David W. Thielges, Christian Pansch, Francisco R. Barboza, Fabio Pranovi and Martin Wahl 486

Molecular characterization of *Polychromophilus* parasites of *Scotophilus kuhlii* bats in Thailand

Chatree Chumnandee, Nawarat Pha-obnga, Oskar Werb, Kai Matuschewski and Juliane Schaer 495

***Giardia intestinalis* can interact, change its shape and internalize large particles and microorganisms**

Marlene Benchimol 500

Cambridge Core

For further information about this journal
please go to the journal website at:
[cambridge.org/par](https://doi.org/10.1017/S0031182021000238)



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS