

Parasitology

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 0031–1820/2020 \$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: (A) The host *Anolis gundlachi* is infected by three malaria parasites. The figure shows examples of Giemsa-stained blood smears of (B) *Plasmodium azurophilum*, (C) *P. floridense* and (D) *P. leucocyta*. From Luisa Otero et al., Vol. 146 (4), pp. 453–461.

© Cambridge University Press 2020

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/ 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

Schistosomiasis then and now: what has changed in the last 100 years?

R. Alan Wilson

507

Determinants of external and blood parasite load in African penguins (*Spheniscus demersus*) admitted for rehabilitation

Albert Snyman, Ralph Eric Thijl Vanstreels, Chandré Nell, Adam M. Schaefer, Thomas Stracke, Nola J. Parsons, Katrin Ludynia and Pierre A. Pistorius

577

Detection methods and prevalence of transmission stages of *Toxoplasma gondii*, *Giardia duodenalis* and *Cryptosporidium* spp. in fresh vegetables: a review

Salma Berrouch, Sandie Escotte-Binet, Rajae Harrak, Antoine Huguenin, Pierre Flori, Loïc Favenne, Isabelle Villeneuve and Jamaleddine Hafid

516

Detection of haplosporidian protistan parasites supports an increase to their known diversity, geographic range and bivalve host specificity

S. A. Lynch, S. Lepée-Rivero, R. Kelly, E. Quinn, A. Coghlan, B. Bookelaar, E. Morgan, J.A. Finarelli, J. Carlsson and S.C. Culloty

584

The forgotten exotic tapeworms: a review of uncommon zoonotic Cyclophyllidea

Sarah G. H. Sapp and Richard S. Bradbury

533

Complete sporogony of the blood parasite *Haemoproteus nucleocondensus* in common biting midges: why is its transmission interrupted in Europe?

Rita Žiegytė, Elena Platonova, Rasa Bernotienė, Gediminas Valkūnas and Vaidas Palinauskas

593

RESEARCH ARTICLES

***Dirofilaria immitis* possesses molecules with anticoagulant properties in its excretory/secretory antigens**

Alicia Diosdado, Fernando Simón, Rodrigo Morchón and Javier González-Miguel

559

Human fascioliasis infection sources, their diversity, incidence factors, analytical methods and prevention measures – CORRIGENDUM

S. Mas-Coma, M. D. Bargues and M. A. Valero

601

Comparative mitogenomics of the zoonotic parasite

***Echinostoma revolutum* resolves taxonomic relationships within the '*E. revolutum*' species group and the *Echinostomata* (Platyhelminthes: Digenea)**

Thanh Hoa Le, Linh Thi Khanh Pham, Huong Thi Thanh Doan, Xuyen Thi Kim Le, Weerachai Sajjuntha, R.P.V. Jayanthe Rajapakse and Scott P. Lawton

566

Cambridge Core

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



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS