

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

RESEARCH ARTICLES

Broad but restricted detection of malacosporeans in a Neotropical cradle of diversification

Juliana Naldoni, Beth Okamura, Hanna Hartikainen, Lincoln L. Corrêa and Edson A. Adriano 511

Host-induced phenotypic plasticity in *Saccocoelioides lamothei* Aguirre-Macedo and Violante-González, 2008 (Digenea: Haploporidae) a parasite of freshwater, brackish and marine fishes from Middle America

Marcelo Tonatiuh González-García, Leopoldo Andrade-Gómez, Carlos Daniel Pinacho-Pinacho, Ana Lucia Sereno-Urbe and Martín García-Varela 519

Environmental factors drive the release of *Perkinsus marinus* from infected oysters

Sarah A. Gignoux-Wolfsohn, Matilda S. R. Newcomb, Gregory M. Ruiz and Katrina M. Pagenkopp Lohan 532

Distinct hepatic myeloid and lymphoid cell repertoires are associated with susceptibility and resistance to *Ascaris* infection

Gwendoline Deslyper, Dearbhla M. Murphy, Oluyomi A. Sowemimo, Celia V. Holland and Derek G. Doherty 539

Detection of enteric parasites and molecular characterization of *Giardia duodenalis* and *Blastocystis* sp. in patients admitted to hospital in Ankara, Turkey

Fakhriddin Sarzhanov, Pamela Carolina Köster, Funda Dogruman-Al, Begoña Bailo, Alejandro Dashti, Filiz Demirel-Kaya and David Carmena 550

Extra-hepatopulmonary cystic echinococcosis in Bulgaria: frequency, management and outcome of the disease

Rumen N. Harizanov, Iskra G. Rainova and Iskren T. Kaftandjiev 562

In vitro studies and preclinical evaluation of benzimidazole microparticles in the acute *Trypanosoma cruzi* murine model

Marcela S. Rial, Katia P. Seremeta, Mónica I. Esteve, Jacqueline Búa, Claudio J. Salomon and Laura E. Fichera 566

Eurytrema coelomaticum natural infection in small ruminants: a neglected condition

Davi Emanuel Ribeiro de Sousa, Edson de Figueiredo Gaudêncio Barbosa, Tais Meziara Wilson, Mizaél Machado, Wilson Júnior Oliveira, Matheus Almeida Duarte, Marcela Corrêa Scalón, Antônio Carlos Lopes Câmara, Estevam Guilherme Lux Hoppe, Giane Regina Paludo, Cristiano Barros de Melo and Márcio Botelho de Castro 576

Taxonomic resolution affects host–parasite association model performance

Tad A. Dallas and Daniel J. Becker 584

Epidemiological and pathological characteristics of Cutaneous Leishmaniasis from Baluchistan Province of Pakistan

Aisha Khan, Rawan Sajid, Shaista Gul, Ashiq Hussain, Mohammad Tahir Zehri, Shumaila Naz, Sami Simsek, Shahid Waseem, Muhammad Sohail Afzal, Syed Kamran Ul Hassan Naqvi, Muhammad Qasim and Haroon Ahmed 591

Setaria cervi (Filarioidea, Onchocercidae) undressing in ungulates: altered morphology of developmental stages, their molecular detection and complete sequence *cox1* gene

Sylva Lanková, Pavel Vejl, Martina Melounová, Daniela Čilová, Jaroslav Vadlejch, Dana Miklisová, Ivana Jankovská and Iva Langrová 598

The impact of *Anguillicoloides crassus* (Nematoda) on European eel swimbladder: histopathology and relationship between neuroendocrine and immune cells

Bahram Sayyaf Dezfuli, Chiara Maestri, Massimo Lorenzoni, Antonella Carosi, Barbara J Maynard and Giampaolo Bosi 612

Determinants of *Eimeria* and *Campylobacter* infection dynamics in UK domestic sheep: the role of co-infection

Raed Taha Al-Neama, Kevin J. Bown, Damer P. Blake and Richard J. Birtles 623

Therapeutic efficacy of mebendazole and artemisinin in different phases of trichinellosis: a comparative experimental study

Amal Farahat Allam, Reham Ahmed Mostafa, Wael Lotfy, Hoda Fahmy Farag, Naglaa Fathi, Esraa Abdelhamid Moneer and Amel Youssef Shehab 630

CORRIGENDA

High-resolution analysis of baculovirus-induced host manipulation in the domestic silkworm, *Bombyx mori*—CORRIGENDUM

Hiroyuki Hikida and Susumu Katsuma 636

Diversity, distribution and changes in communities of fleas on small mammals along the elevational gradient from the Pannonian Plain to the Carpathian Mountains—CORRIGENDUM

Ivan Baláz, Michal Ševčík, Filip Tulis, Martina Zigová and Alexander Dudich 637