

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. leucocyctica*. 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

Rosetting revisited: a critical look at the evidence for host erythrocyte receptors in *Plasmodium falciparum* rosetting
Fiona McQuaid and J. Alexandra Rowe

1

A review of toxoplasmosis in humans and animals in Turkey
Z. Kolören and J. P. Dubey

12

RESEARCH ARTICLES

Diversity profiling of xenic cultures of *Dientamoeba fragilis* following systematic antibiotic treatment and prospects for genome sequencing

Rory Gough, Joel Barratt, Damien Stark and John Ellis

29

***In vitro* influence of *Theileria annulata* on the functions of bovine dendritic cells for stimulation of T lymphocyte proliferation**

Muhammad Rashid, Junlong Liu, Guiquan Guan, Jinming Wang, Zhi Li, Muhammad Adeel Hassan, Muhammad Imran Rashid, Muhammad Uzair Mukhtar, Jianxun Luo and Hong Yin

39

Pine chemical volatiles promote dauer recovery of a pine parasitic nematode, *Bursaphelenchus xylophilus*

Wei Zhang, Yongxia Li, Long Pan, Xuan Wang, Yuqian Feng and Xingyao Zhang

50

***In vivo* antimalarial activity and pharmacokinetics of artelinic acid-choline derivative liposomes in rodents**

Shuai Duan, Ruili Wang, Rongrong Wang, Jiaqi Tang, Xiaoyang Xiao, Ning Li, Wenju Guo, Qingshan Yang, Guolian Ren and Shuqiu Zhang

58

Heterogeneity in helminth infections: factors influencing aggregation in a simple host–parasite system

Richard C. Tinsley, Hanna Rose Vineer, Rebecca Grainger-Wood and Eric R. Morgan

65

Flea infestation, social contact, and stress in a gregarious rodent species: minimizing the potential parasitic costs of group-living

Elizabeth M. Warburton, Irina S. Khokhlova, Rupert Palme, Elena N. Surkova, Luther van der Mescht and Boris R. Krasnov

78

Extremely low malaria prevalence in a wetland specialist passerine

Eszter Szöllösi, Zsófia Tóth, Katharina Mahr, Herbert Hoi and Ádám Z. Lendvai

87

Host dispersal and landscape conversion are associated with the composition of haemosporidian parasites of the golden-winged warbler

Chelsea Enslow, Rachel Vallender, Emily Rondel and Nicola Koper

96

Activity of the sesquiterpene lactone goyazensolide against *Trypanosoma cruzi* *in vitro* and *in vivo*

Matheus Marques Milagre, Renata Tupinambá Branquinho, Maira Fonseca Gonçalves, GMP de Assis, Maykon Tavares de Oliveira, LES Reis, Dênia Antunes Saúde-Guimarães and Marta de Lana

108

Timing of sub-lethal insecticide exposure determines parasite establishment success in an insect-helminth model

Suraj Dhakal, Nicolai Vitt Meyling, Kathrine Eggers Pedersen, Nina Cedergreen and Brian Lund Fredensborg

120

DNA barcoding mosquitoes: advice for potential prospectors – CORRIGENDUM

Nigel W. Beebe

126