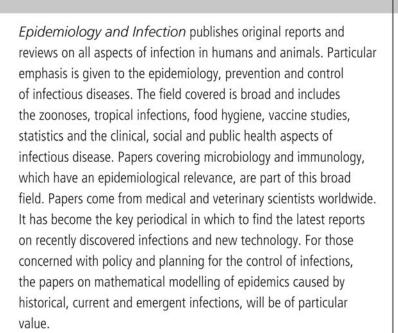
Epidemiology and Infection

Editor-in-Chief

Norman Noah, London School of Hygiene and Tropical Medicine, UK



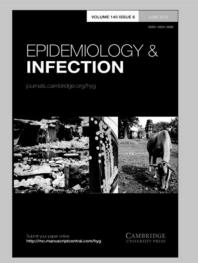
Price information

is available at: http://journals.cambridge.org/hyg

Free email alerts

Keep up-to-date with new material – sign up at http://journals.cambridge.org/alerts

For free online content visit: http://journals.cambridge.org/hyg



Epidemiology and Infection

is available online at: http://journals.cambridge.org/hyg

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500 Fax +1 (845) 353 4141 Email subscriptions_newyork@cambridge.org





Journal of Helminthology

Editor

John Lewis, Royal Holloway, University of London, UK

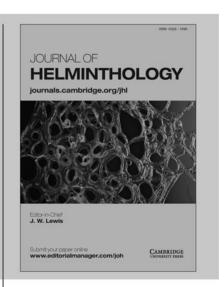
Journal of Helminthology publishes original papers and review articles on all aspects of pure and applied helminthology, particularly those helminth parasites of environmental health, medical or veterinary importance. Research papers on helminths in wildlife hosts, including plant and insect parasites, are also published along with taxonomic papers contributing to the systematics of a group. The journal will be of interest to academics and researchers involved in the fields of human and veterinary parasitology, public health, microbiology, ecology, epidemiology and biochemistry.

Price information

is available at: http://journals.cambridge.org/jhl

Free email alerts

Keep up-to-date with new material – sign up at http://journals.cambridge.org/jhl-alerts



Journal of Helminthology

is available online at: http://journals.cambridge.org/jhl

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500 Fax +1 (845) 353 4141 Email subscriptions_newyork@cambridge.org

For free online content visit: http://journals.cambridge.org/jhl



Journal of Tropical Ecology

Editor

lan Turner, Winchelsea, UK

Journal of Tropical Ecology publishes papers in the important and now established field of the ecology of tropical regions, either arising from original research (experimental or descriptive) or forming significant reviews. First published in 1985, Journal of Tropical Ecology has become a major international ecological journal. With clear, stimulating and readable reports of recent research findings, the journal provides a platform for the dissemination of information on all aspects of tropical communities and ecosystems

Price information

is available at: http://journals.cambridge.org/tro

Free email alerts

Keep up-to-date with new material – sign up at http://journals.cambridge.org/tro-alerts



Journal of Tropical Ecology is available online at: http://journals.cambridge.org/tro

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

For free online content visit: http://journals.cambridge.org/tro



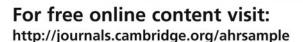
Animal Health Research Reviews

Published in collaboration with the Conference of Research Workers in Animal Diseases

Editor-in-Chief

C. Gyles, University of Guelph, Canada

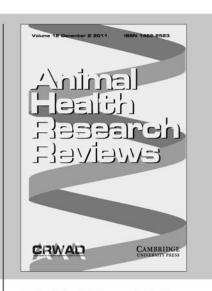
Animal Health Research Reviews provides an international forum for the publication of reviews and commentaries on all aspects of animal health. Papers include in-depth analyses and broader overviews of all facets of health and science in both domestic and wild animals. Major subject areas include physiology and pharmacology, parasitology, bacteriology, food and environmental safety, epidemiology and virology. The journal will be of interest to researchers involved in animal health, parasitologists, food safety experts and academics interested in all aspects of animal production and welfare.



Free email alerts

Keep up-to-date with new content

http://journals.cambridge.org/ahr-alerts



Animal Health Research Reviews is available online at:

http://journals.cambridge.org/ahr

To subscribe contact Customer Services

Americas:

Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

Rest of world:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

Price Information

is available at: http://journals.cambridge.org/ahr



The Lichenologist

Published on behalf of The British Lichen Society

Senior Editor

Peter D. Crittenden, University of Nottingham, UK

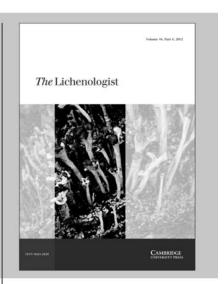
The Lichenologist is the premier scientific journal devoted exclusively to the study of lichens worldwide. As the leading forum for the dissemination of new concepts and topical reviews, The Lichenologist reaches more scientists concerned with the study of lichens and lichen symbionts than any other single journal. All aspects of lichenology are considered including systematics and phylogenetics; molecular biology; ultrastructure, anatomy and morphology; secondary chemistry, effects of pollutants and use as bioindicators; biogeography.

Price information

is available at: http://journals.cambridge.org/lic

Free email alerts

Keep up-to-date with new material — sign up at http://journals.cambridge.org/lic-alerts



The Lichenologist

is available online at: http://journals.cambridge.org/lic

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org

For free online content visit: http://journals.cambridge.org/lic



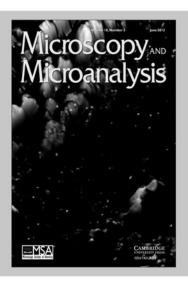
Microscopy and Microanalysis

Published for the Microscopy Society of America



Robert L. Price, University of South Carolina, USA

Microscopy and Microanalysis, a peer-reviewed bimonthly, publishes original research papers in the fields of microscopy, imaging, and compositional analysis. This distinguished international forum is intended for microscopists in both biology and materials science. The journal provides significant articles that describe new and existing techniques and instrumentation, as well as the applications of these to the imaging and analysis of microstructure. Microscopy and Microanalysis also includes review articles, short communications, letters to the editor, and book reviews.



Microscopy and Microanalysis is available online at: http://journals.cambridge.org/mam

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500 Fax +1 (845) 353 4141 Email subscriptions_newyork@cambridge.org

Free email alerts

Keep up-to-date with new material – sign up at

journals.cambridge.org/register

For free online content visit: http://journals.cambridge.org/mam



Journal of Dairy Research

Published for the Institute of Food Research and the Hannah Research Institute

Executive Editors

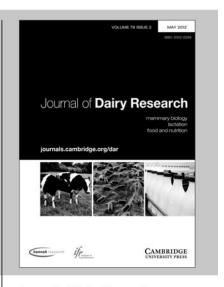
D. G. Chamberlain, Hannah Research Institute, UK E. C. Needs, Hannah Research Institute, UK

Journal of Dairy Research publishes original scientific research on all aspects of mammary biology and dairy science including: the physiology, biochemistry, cell biology and endocrinology of lactation; animal husbandry, milk production, composition, preservation, processing and separation; biotechnology and food science; properties of milk proteins and other components; dairy products such as cheese, fermented milks and spreads; relevant studies in bacteriology, enzymology and immunology, the use of milk products in other foods; and the development of methods relevant to these subjects.

View Sample Material http://journals.cambridge.org/darsample

Free email alerts

Keep up-to-date with new material – sign up at http://journals.cambridge.org/dar-alerts



Journal of Dairy Research is available online at: http://journals.cambridge.org/dar

To subscribe contact Customer Services

in Cambridge:

Phone +44 (0)1223 326070 Fax +44 (0)1223 325150 Email journals@cambridge.org

in New York:

Phone +1 (845) 353 7500
Fax +1 (845) 353 4141
Email
subscriptions_newyork@cambridge.org



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 0031–1820/2015 \$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: *Eimeria tenella*: early-stage immature schizonts at 72 h (A) and 2nd generation large immature and mature schizonts at 84 h (B) in the lamina propria; 3rd generation schizonts in the epithelium of the crypts at 96 h (E). From Matsubayashi *et al.* Vol.139(12) pp. 1553–1561.

© Cambridge University Press 2015

University Printing House, Cambridge CB2 8BS, United Kingdom 32 Avenue of The Americas, New York, NY 10013-2473, 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 the UK by Bell & Bain

PARASITOLOGY

CONTENTS

	Mitochondrial respiration and genomic analysis pr
271	insight into the influence of the symbiotic bacteriu host trypanosomatid oxygen consumption A. C. Azevedo-Martins, A. C. L. Machado, C. C. Klein L. Gonzaga, A. T. R. Vasconcelos, M. F. Sagot, W. De
290	M. Einicker-Lamas, A. Galina and M. C. M. Motta Characterization of a human-pathogenic <i>Acantha</i>
d 303	griffini isolated from a contact lens-wearing keratiin SpainI. Heredero-Bermejo, A. Criado-Fornelio, I. De Fuentes
	J. L. Copa-Patiño and J. Pérez-Serrano
318	Genetic diversity of <i>Plasmodium vivax</i> over time a a community-based study in rural Amazonia Camilla L. Batista, Susana Barbosa, Melissa Da Silva Susana Ariane S. Viana and Marcelo U. Ferreira
: are 326	Redescription of <i>Sarcocystis fusiformis</i> sarcocyst water buffalo (<i>Bubalus bubalis</i>) J. P. Dubey, M. Hilali, E. Van Wilpe, S. K. Verma, R. Ca and A. Abdel-Wahab
	Horizontal transmission of a parasite is influenced infected host phenotype and density K. E. Roberts and W. O. H. Hughes
332	Broad geographic analyses reveal varying pattern genetic diversity and host specificity among echir
g, 341	trematodes in New Zealand snails Devon B. Keeney, Jason Palladino and Robert Poulin
	290 d 303 318 are 326

Mitochondrial respiration and genomic analysis provide insight into the influence of the symbiotic bacterium on host trypanosomatid oxygen consumption A. C. Azevedo-Martins, A. C. L. Machado, C. C. Klein, L. Ciapina, L. Gonzaga, A. T. R. Vasconcelos, M. F. Sagot, W. De Souza, M. Einicker-Lamas, A. Galina and M. C. M. Motta	352
Characterization of a human-pathogenic Acanthamoeba griffini isolated from a contact lens-wearing keratitis patient in Spain I. Heredero-Bermejo, A. Criado-Fornelio, I. De Fuentes, J. Soliveri, J. L. Copa-Patiño and J. Pérez-Serrano	363
Genetic diversity of <i>Plasmodium vivax</i> over time and space: a community-based study in rural Amazonia Camilla L. Batista, Susana Barbosa, Melissa Da Silva Bastos, Susana Ariane S. Viana and Marcelo U. Ferreira	374
Redescription of <i>Sarcocystis fusiformis</i> sarcocysts from the water buffalo (<i>Bubalus bubalis</i>) J. P. Dubey, M. Hilali, E. Van Wilpe, S. K. Verma, R. Calero-Bernal and A. Abdel-Wahab	385
Horizontal transmission of a parasite is influenced by infected host phenotype and density K. E. Roberts and W. O. H. Hughes	395
Broad geographic analyses reveal varying patterns of genetic diversity and host specificity among echinostome	





FSC® C007785



406

Cambridge Journals Online