#### **C**AMBRIDGE

#### **JOURNALS**

#### animal

Published for The Animal Consortium www.animal-journal.eu

#### **Editor-in-Chief**

Michel Doreau, INRA, Clermont-Theix, France

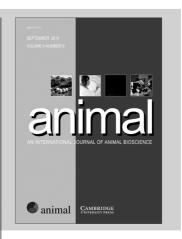
animal publishes original cutting-edge research, 'hot' topics and horizon-scanning reviews on animal-related aspects of the life sciences at the molecular, cellular, organ, whole animal and production system levels.

The main subject areas include: breeding and genetics; nutrition; physiology and functional biology of systems; behaviour, health and welfare; farming systems, environmental impact and climate change; product quality, human health and well-being.

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

#### Free email alerts

Keep up-to-date with new content <a href="http://journals.cambridge.org/anm-alerts">http://journals.cambridge.org/anm-alerts</a>



#### anima

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

#### 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/anm



#### **C**AMBRIDGE

#### **JOURNALS**

## Bulletin of Entomological Research

#### **Editor-in-Chief**

William Symondson, Cardiff University, UK

Established in 1910, *Bulletin of Entomological Research* is an internationally recognised journal focusing on applied entomology from the traditional to the cutting edge. The *Bulletin* publishes high-quality and original research papers, review articles and short communications concerning insects, mites, ticks or other arthropods of economic importance in agriculture, forestry, stored products, biological control, medicine, animal health and natural resource management. The scope of papers addresses the biology, ecology, behaviour, physiology, systematics and genetics of species, communities and populations with a renewed focus on the molecular biology and ecology of insects in an applied context.

#### **Price information**

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

#### Free email alerts

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



## **Bulletin of Entomological Research** is available online at: http://journals.cambridge.org/ber

#### 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/ber

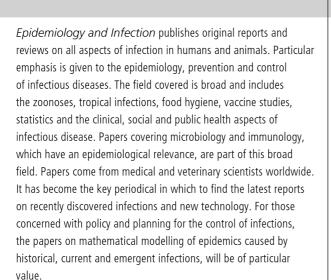


#### **JOURNALS**

## Epidemiology and Infection

#### **Editor-in-Chief**

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

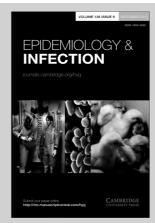


#### **Price information**

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



#### **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

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



#### **JOURNALS**

## 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 <a href="http://journals.cambridge.org/jhl-alerts">http://journals.cambridge.org/jhl-alerts</a>



#### 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



#### **JOURNALS**

# International Journal of Tropical Insect Science

Published on behalf of icipe - African Insect Science for Food and Health

#### **Editor**

C. Borgemeister, icipe, Kenya

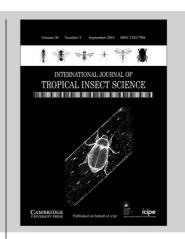
International Journal of Tropical Insect Science is the only journal devoted exclusively to the latest research in tropical and sub-tropical insect science. Each issue brings you original, peer-reviewed research findings on tropical insects and related arthropods, with special emphasis on their environmentally benign and sustainable management. The journal's scope includes arthropod ecology and biodiversity, ethno-entomology, arthropod taxonomy, integrated pest and vector management, and environmental issues. The journal publishes research papers, short communications and scientific notes. The journal also includes reports of meetings and obituaries of prominent scientists, book reviews, and review and mini-review articles that are normally submitted at the invitation of the Editors.

#### **Price information**

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

#### Free email alerts

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



#### International Journal of Tropical Insect Science

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

#### 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/jti



#### **Notes for Authors**

Animal Health Research Reviews provides an international vehicle for the publication of reviews and commentaries on all aspects of animal health. The Journal covers both infectious and non-infectious diseases in domestic and wild animals. Articles may be in-depth reviews of a specific aspect of a disease or pathogen, or may cover all aspects of a disease, but must include new findings or advance new concepts and hypotheses. The Journal publishes both solicited and unsolicited articles. Reviews will normally be 5000–6000 words in length. The Journal is also produced electronically and is available on the Internet. As a contributor you should note and follow the guidelines set out below.

**Refereeing.** All contributions are read by two are more referees to ensure both accuracy and relevance, and revision may thus be required before final acceptance. Authors are asked to submit the names and contact details (including E-mail address if available) of up to four potential referees for their paper. On acceptance, contributions are subject to editorial amendment to suit house style.

**Copyright.** Papers are accepted on the understanding that the work has been submitted exclusively to the journal and has not been previously published elsewhere unless otherwise stated. Authors will be supplied with a copyright form that must be completed and returned to the Publisher. It is the author's responsibility to ensure that permission has been obtained from the copyright owner to reuse any figures or illustrations from previously published work.

**Preparation of manuscripts.** You should write in clear and concise English. Spelling should follow Webster's American Dictionary. Authors whose native tongue is not English are assured that in-house editorial attention to their contribution will improve clarity to readers.

Manuscripts should be submitted in Word double line spacing with ample margins (at least 2.5 cm) on each side. Do not underline anything. Number every page. Italic should be used for Latin names of organisms and bold for headings. Standard abbreviations (e.g. Fig. and Figs) and SI units must be used. Upon acceptance, authors are requested to submit an electronic file of the final version of their paper.

#### Arrangement of papers

- 1. Title page including the article title, author(s), affiliation(s), keywords and one author identified for correspondence (please include the full postal address, telephone and fax numbers, and an E-mail address where available).
- An indicative abstract that should not exceed 200 words. A short title of up to 45 characters should be provided as a running head.
- 3. Keywords (between three and eight).
- 4. The text divided under appropriate headings.
- 5. Acknowledgements (if any).
- 6. References
- 7. Tables (at the end of the manuscript).
- 8. Legends to figures (group at the end of the manuscript).
- 9. Figures to be supplied as separate files.

**Tables.** Tables should be reduced to the simplest form, and should not be used where text or figures give the same information. They should be submitted at the end of the article. Each table must be accompanied by a clear and concise caption and must be cited in the text.

**Figures.** All figures must be cited in the text with appropriate captions supplied at the end of the manuscript after the References.

To ensure that your figures are reproduced to the highest possible standards, Cambridge Journals recommends the following formats and resolutions for supplying electronic figures. Please ensure that your figures are saved at final publication size and are in our recommended file formats. Each file must be clearly labelled, Fig 1 etc. Following these guidelines

will result in high quality images being reproduced in both the print and the online versions of the journal.

Line artwork.
Format: tif or eps

Colour mode: black and white (also known as 1-bit)

Resolution: 1200 dpi

Combination artwork (line/tone).

Format: tif or eps

Colour mode: grayscale (also known as 8-bit)

Resolution: 800 dpi

Black and white halftone artwork.

Format: tif

Colour mode: grayscale (also known as 8-bit)

Resolution: 300 dpi Colour halftone artwork.

Format: tif

Colour mode: CMYK

**References.** References should follow the Harvard system. Give the surnames and initials of all authors. Give journal titles in full.

Journal article. Shibata I, Mori M and Uruno K (1997) Experimental infection of maternally immune pigs with porcine reproductive and respiratory syndrome (PRRS) virus. Journal of Veterinary and Medical Science **60**: 1–13.

Book chapter. Sanderson CJ (1999) Cytokines active on eosinophils. In: Makino S and Fukuda T (eds) Eosinophils: Biological and Clinical Aspects. Boca Raton: CRC Press, pp. 274–283.

Book. Dalton JP (1999) Fasciolosis. Wallingford: CABI Publishing.

Please ensure that references are complete and correct, i.e. that they include, where relevant, author name(s), article or book title, volume number, edition number, publisher, and page range.

**Proofs.** Correspondence and proofs for correction will be sent to the first named author unless otherwise indicated. The author will receive pdf proofs for checking, but only mostly errors of a typographical nature will be accepted. It is important that proofs be returned promptly. Authors may be charged for any alterations in excessive corrections.

**Offprints.** The main author will receive a complimentary PDF of the paper. Offprints may be ordered prior to publication.

#### Submissions of manuscripts and correspondence

Three complete copies of the manuscript and artwork should be submitted to:

Professor Carlton L. Gyles Ontario Veterinary College University of Guelph Guelph Ontario Canada N1G 2W1

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

Animal Health Research Reviews - published by Cambridge University Press in collaboration with the Conference of Research Workers in Animal Diseases.

### Animal Health Research Reviews

#### Volume 12 June 1 2011

transmission of swine pathogens: unferent means, unferent needs
Robert Desrosiers
Ultraviolet irradiation and the mechanisms underlying its inactivation of infectious agents
Timothy D. Cutler and Jeffrey J. Zimmerman
Toward a better understanding of pig behavior and pig welfare
Apisit Kittawornrat and Jeffrey J. Zimmerman
Staphylococcus aureus small colony variants (SCVs) and their role in disease
Heba Atalla, Carlton Gyles and Bonnie Mallard33
Effect of porcine circovirus type 2 (PCV2) infection on reproduction: disease, vertical transmission, diagnostics and vaccination
D. M. Madson and T. Opriessnig
A review of hemorrhagic septicemia in cattle and buffalo
S. B. Shivachandra, K. N. Viswas and A. A. Kumar
Nutritional and physiological role of medium-chain triglycerides and medium-chain fatty acids in piglets
J. Zentek, S. Buchheit-Renko, F. Ferrara, W. Vahjen, A. G. Van Kessel and R. Pieper
The role of wildlife in transboundary animal diseases
J. L. Siembieda, R. A. Kock, T. A. McCracken and S. H. Newman
A live vaccine from <i>Brucella abortus</i> strain 82 for control of cattle brucellosis in the Russian Federation
Arkady V. Ivanov, Konstantin M. Salmakov, Steven C. Olsen and Glenn E. Plumb
Human and porcine <i>Taenia solium</i> infections in Mozambique: identifying research priorities
S. M. S. Afonso, Y. Vaz, L. Neves, A. Pondja, G. Dias, A. L. Willingham III, M. Vilhena,
P. C. Duarte, C. C. Jost and E. V. Noormahomed

Cambridge Journals Online
For further information about this journal
please go to the journal website at:
journals.cambridge.org/jid\_ahr



MIX
Paper from
responsible sources
FSC® C013436

