

CAMBRIDGE

JOURNALS

# Renewable Agriculture and Food Systems

**Editor-in-Chief**

Rick Welsh, Syracuse University, USA

**Asst. Editor-in-Chief**

Lydia Oberholtzer, Pennsylvania State University, USA

**Impact Factor\*: 1.355****Ranked 13/56 in Agriculture, Multidisciplinary**

*Renewable Agriculture and Food Systems* is a multi-disciplinary journal which focuses on the science that underpins economically, environmentally, and socially sustainable approaches to agriculture and food production. The journal publishes original research and review articles on the economic, ecological, and environmental impacts of agriculture; the effective use of renewable resources and biodiversity in agro-ecosystems; and the technological and sociological implications of sustainable food systems.

---

**For free online content visit:**  
<http://journals.cambridge.org/rafsample>

**Free email alerts**

Keep up-to-date with new content

<http://journals.cambridge.org/raf-alerts>

\*2014 Journal Citation Reports®, Thomson Reuters

**Renewable Agriculture and Food Systems**[journals.cambridge.org/raf](http://journals.cambridge.org/raf)**is available online at:**<http://journals.cambridge.org/raf>**To subscribe contact  
Customer Services****in Cambridge:**

Phone +44 (0)1223 326070

Fax +44 (0)1223 325150

Email [journals@cambridge.org](mailto:journals@cambridge.org)**in New York:**

Phone +1 (845) 353 7500

Fax +1 (845) 353 4141

Email

[subscriptions\\_newyork@cambridge.org](mailto:subscriptions_newyork@cambridge.org)**Price Information**

is available at:

<http://journals.cambridge.org/raf>**CAMBRIDGE**  
UNIVERSITY PRESS

CAMBRIDGE

JOURNALS

## animal

Published for The Animal Consortium  
[www.animal-journal.eu](http://www.animal-journal.eu)

**Editor-in-Chief**

Isabelle Ortigues-Marty, 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.

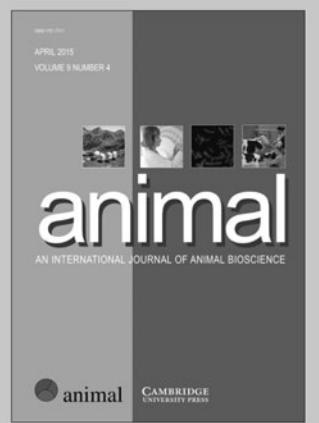
The main subject areas include: breeding and genetics; nutrition; physiology and functional biology of systems; behaviour, health and welfare; farming systems, environmental impact and climate change; product quality, human health and well-being.

---

**For free online content visit:**  
<http://journals.cambridge.org/anmsample>

**Free email alerts**

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



**animal**  
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](mailto:subscriptions_newyork@cambridge.org)

**Rest of world:**

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

**Price Information**  
is available at:  
<http://journals.cambridge.org/anm>



**CAMBRIDGE**  
UNIVERSITY PRESS

CAMBRIDGE

JOURNALS

# Experimental Agriculture

**Editor**

Dave Harris, ICRISAT, Kenya

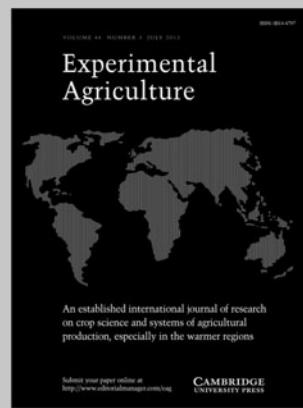
*Experimental Agriculture* publishes the results of original research from any source on the agronomy of field, plantation and herbage crops grown for human or animal food; for industrial purposes; and on systems of agricultural production, particularly in the warmer regions of the world. It is especially concerned with experimental work designed to explain agronomic results in biological and environmental terms. The journal publishes accounts of new experimental techniques, new methods of crop production and discusses problems in countries where production is developing rapidly. There are regular book reviews and occasional, often invited, reviews of research.

---

**For free online content visit:**  
<http://journals.cambridge.org/eagsample>

**Free email alerts**

Keep up-to-date with new content  
<http://journals.cambridge.org/eag-alerts>



**Experimental Agriculture**  
is available online at:  
<http://journals.cambridge.org/eag>

**To subscribe contact**  
**Customer Services**

**Americas:**

Phone +1 (845) 353 7500  
Fax +1 (845) 353 4141  
Email  
[subscriptions\\_newyork@cambridge.org](mailto:subscriptions_newyork@cambridge.org)

**Rest of world:**

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

**Price Information**  
is available at:  
<http://journals.cambridge.org/eag>

 **CAMBRIDGE**  
UNIVERSITY PRESS

# Go Mobile

CJO Mobile (CJOM) is a streamlined Cambridge Journals Online (CJO) for smartphones and other small mobile devices



- Use CJOM to access all journal content including *FirstView* articles which are published online ahead of print
- Access quickly and easily thanks to simplified design and low resolution images
- Register for content alerts or save searches and articles – they will be available on both CJO and CJOM
- Your device will be detected and automatically directed to CJOM via: [journals.cambridge.org](http://journals.cambridge.org)



CAMBRIDGE  
UNIVERSITY PRESS

# THE JOURNAL OF AGRICULTURAL SCIENCE

## CLIMATE CHANGE AND AGRICULTURE RESEARCH PAPERS

- Modelling the resilience of forage crop production to future climate change in the dairy regions of Southeastern Australia using APSIM  
K. G. PEMBLETON, B. R. CULLEN, R. P. RAWNSLEY, M. T. HARRISON AND T. RAMILAN 1131
- Assessing the impact of climate change on crop management in winter wheat – a case study for Eastern Austria  
E. EBRAHIMI, A. M. MANSCHADI, R. W. NEUGSCHWANDTNER, J. EITZINGER, S. THALER AND H.-P. KAUL 1153
- Effects of climatic factors, drought risk and irrigation requirement on maize yield in the Northeast Farming Region of China  
X. G. YIN, M. JABLOUN, J. E. OLESEN, I. ÖZTÜRK, M. WANG AND F. CHEN 1171
- Climate effects on crop yields in the Northeast Farming Region of China during 1961–2010  
X. G. YIN, J. E. OLESEN, M. WANG, I. ÖZTÜRK AND F. CHEN 1190

## CROPS AND SOILS RESEARCH PAPERS

- Mapping of quantitative trait loci underlying resistance to cassava anthracnose disease  
A. BOONCHANAWAT, S. SRAPHET, S. WHANKAEW, O. BOONSENG, D. R. SMITH AND K. TRIWITAYAKORN 1209
- Comparing the performance of 11 crop simulation models in predicting yield response to nitrogen fertilization  
T. J. SALO, T. PALOSUO, K. C. KERSEBAUM, C. NENDEL, C. ANGULO, F. EWERT, M. BINDI, P. CALANCA, T. KLEIN, M. MORIONDO, R. FERRISE, J. E. OLESEN, R. H. PATIL, F. RUGET, J. TAKÁČ, P. HLAVINKA, M. TRNKA AND R. P. RÖTTER 1218
- Screening of wild oil palm (*Elaeis guineensis*) germplasm for lipase activity  
Y. T. WONG, A. KUSHAIRI, N. RAJANAIIDU, M. OSMAN, R. WICKNESWARI AND R. SAMBANTHAMURTHI 1241

## CORRIGENDUM

- Screening of wild oil palm (*Elaeis guineensis*) germplasm for lipase activity – CORRIGENDUM  
Y. T. WONG, A. KUSHAIRI, N. RAJANAIIDU, M. OSMAN, R. WICKNESWARI AND R. SAMBANTHAMURTHI 1253

## CROPS AND SOILS RESEARCH PAPERS

- Use of expressed sequence tag microsatellite markers for exploring genetic diversity in lentil and related wild species  
A. SINGH, H. K. DIKSHIT, D. SINGH, N. JAIN, M. ASKI, A. SARKER AND T. R. SHARMA 1254
- Agronomic performance of maize populations divergently selected for diferulate cross-linkage  
R. SANTIAGO, J. BARROS-RIOS, A. ALVAREZ AND R. A. MALVAR 1270

## ANIMAL REVIEW PAPER

- Methane emissions and growth performance of young Nellore bulls fed crude glycerine- v. fibre-based energy ingredients in low or high concentrate diets  
J. F. LAGE, E. SAN VITO, R. A. REIS, E. E. DALLANTONIA, L. R. SIMONETTI, I. P. C. CARVALHO, A. BERNDT, M. L. CHIZZOTTI, R. T. S. FRIGUETTO AND T. T. BERCHIELLI 1280

## ANIMAL RESEARCH PAPERS

- Impact of dynamics of faecal concentrations of plant and synthetic n-alkanes on their suitability for the estimation of dry matter intake and apparent digestibility in horses  
M. BACHMANN, M. WENSCH-DORENDORF, M. BULANG AND A. ZEYNER 1291
- Nutritional impact of crude glycerine infusion into the rumen of wethers fed a tropical or a temperate forage grass  
D. ZENI, G. V. KOZLOSKI, M. GINDRI, S. STEFANELLO, F. HENTZ AND L. OLIVEIRA 1306

Submit your paper online

<http://mc.manuscriptcentral.com/jagricsci>

Register to receive the latest news and content from the journal  
<http://journals.cambridge.org/ags-alerts>

Cambridge Journals Online

For further information about this journal  
 please go to the journal web site at:  
[journals.cambridge.org/ags](http://journals.cambridge.org/ags)



MIX  
 Paper from  
 responsible sources  
 FSC® C007785

CAMBRIDGE  
 UNIVERSITY PRESS