

CAMBRIDGE

JOURNALS

PHN

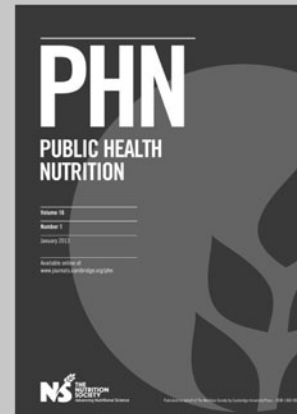
PUBLIC HEALTH
NUTRITION**Editor-in-Chief**Marilyn Tseng, *California Polytechnic State University, USA*

Public Health Nutrition provides an international peer-reviewed forum for the publication and dissemination of research and scholarship aimed at understanding the causes of, and approaches and solutions to, nutrition-related public health achievements, situations and problems around the world. The journal publishes original and commissioned articles, commentaries and discussion papers for debate.

journals.cambridge.org/phn

Submit your article online
phn.msubmit.net

Register for free content alerts
journals.cambridge.org/phn-alerts



Impact Factor
2.25

Ranked **47/158**
Public,
Environmental and
Occupational Health

Ranked **34/76**
Nutrition and Dietics

2012 Journal Citation Reports®
Thomson Reuter

To subscribe contact
Customer Services

Cambridge:

Phone +44 (0)1223 326070

Fax +44 (0)1223 325150

journals@cambridge.org**New York:**

Phone +1 (845) 353 7500

Fax +1 (845) 353 4141

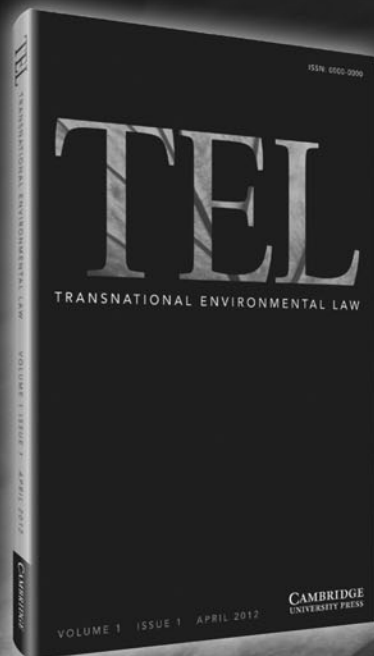
subscriptions_newyork@cambridge.org

CAMBRIDGE

JOURNALS

TEL

TRANSNATIONAL ENVIRONMENTAL LAW



TEL is dedicated to the development of new ideas on law's contribution to environmental governance in a global context. It approaches legal and regulatory developments with an interest in the contribution of nonstate actors and an awareness of the multi-level governance context in which contemporary environmental law unfolds.

TEL warmly invites new work on topics within the scope of the journal from scholars, lawyers and professionals active in fields related to environmental law and governance.



@TELjournal



facebook.com/TELjournal

Further information can be found on the TEL homepage:

journals.cambridge.org/tel



CAMBRIDGE
UNIVERSITY PRESS

CAMBRIDGE

JOURNALS

Environment and Development Economics

Published in association with the Beijer Institute of Ecological Economics, Royal Swedish Academy of Sciences

Editors

Anastasios Xepapadeas, Athens University of Economics and Business, Greece

Environment and Development Economics is positioned at the intersection of environmental, resource and development economics. The Editor and Associate Editors, supported by a distinguished panel of advisors from around the world, aim to encourage submissions from researchers in the field in both developed and developing countries. The journal is divided into two main sections, Theory and Applications, which includes regular academic papers and Policy Options, which includes papers that may be of interest to the wider policy community. *Environment and Development Economics* also publishes Policy Fora (discussions based on a focal paper) and Book Reviews. From time to time the journal publishes special issues based on a particular theme.

Price information

is available at: <http://journals.cambridge.org/ede>

Free email alerts

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



Environment and Development Economics

is available online at:
<http://journals.cambridge.org/ede>

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/ede>



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



CAMBRIDGE
UNIVERSITY PRESS

THE JOURNAL OF AGRICULTURAL SCIENCE

CLIMATE CHANGE AND AGRICULTURE RESEARCH PAPERS

- **Irish farms under climate change – is there a regional variation on farm responses?**
S. SHRESTHA, M. ABDALLA, T. HENNESSY, D. FORRISTAL and M. B. JONES 385
- **Maize yield forecasting by linear regression and artificial neural networks in Jilin, China**
K. MATSUMURA, C. F. GAITAN, K. SUGIMOTO, A. J. CANNON and W. W. HSIEH 399
- **Environmental impacts of the pork supply chain with regard to farm performance**
K. RECKMANN AND J. KRIETER 411
- **Carbon footprint of crop production in China: an analysis of National Statistics data**
K. CHENG, M. YAN, D. NAYAK, G.X. PAN, P. SMITH, J.F. ZHENG and J.W. ZHENG 422
- **Partitioning United States' feed consumption among livestock categories for improved environmental cost assessments**
G. ESHEL, A. SHEPON, T. MAKOV and R. MILO 432

CROPS AND SOILS RESEARCH PAPERS

- **Green Window approach for improving nitrogen management by farmers in small-scale wheat fields**
X. L. YUE, Y. HU, H. ZHANG and U. SCHMIDHALTER 446
- **Automatic discrimination of grapevine (*Vitis vinifera* L.) clones using leaf hyperspectral imaging and partial least squares**
A. M. FERNANDES, P. MELO-PINTO, B. MILLAN, J. TARDAGUILA and M. P. DIAGO 455
- **Wheat seedlings growth response to water deficiency and how it correlates with adult plant tolerance to drought**
D. DODIG, M. ZORIĆ, M. JOVIĆ, V. KANDIĆ, R. STANISAVLJEVIĆ and G. ŠURLAN-MOMIROVIĆ 466
- **Soil water content, runoff and soil loss prediction in a small ungauged agricultural basin in the Mediterranean region using the Soil and Water Assessment Tool**
M. C. RAMOS and J.A. MARTÍNEZ-CASASNOVAS 481

ANIMAL REVIEW PAPER

- **The importance of the gestation period for welfare of lambs: maternal stressors and lamb vigour and well-being**
J. A. ROOKE, G. ARNOTT, C. M. DWYER and K. M. D. RUTHERFORD 497

ANIMAL RESEARCH PAPERS

- **Phosphorus balance and use efficiency on 21 intensive grass-based dairy farms in the South of Ireland**
E. MIHAILESCU, P. N. C. MURPHY, W. RYAN, I. A. CASEY and J. HUMPHREYS 520
- **Efficacy of exogenous xylanases for improving *in vitro* fermentation of forages**
Z. X. HE, L. Y. YANG, W. Z. YANG, K. A. BEAUCHEMIN, S. X. TANG, J. Y. HUANG, C. S. ZHOU, X. F. HAN, M. WANG, J. H. KANG, N. E. ODONGO and Z. L. TAN 538
- **Performance of indigenous and exotic × indigenous sheep breeds fed different diets in spring and the efficiency of feeding system in crop-livestock farming**
S. ATES, G. KELES, F. INAL, A. GUNES and B.DHEHIBI 554

ERRATUM

FORTHCOMING EVENTS

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



MIX
Paper from
responsible sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS