VOLUME 28 ISSUE 3

SEPTEMBER 2013

ISSN: 1742-1705



Renewable Agriculture and Food Systems

journals.cambridge.org/raf



https://doi.org/10.1017/S1742170513000203 Published online by Cambridge University Press

Renewable Agriculture and Food Systems

Editor-in-Chief

Rick Welsh, Professor of Food Studies, Dept. of Public Health, Food Studies and Nutrition, David B. Falk College of Sport and Human Dynamics, Syracuse University, Syracuse, NY Email: rafjournal@cambridge.org

Assistant Editor-in-Chief

Lydia Oberholtzer, Pennsylvania State University, USA Email: Iso3@psu.edu

Forum Editors

Virginia Jin, United States Department of Agriculture – Agricultural, Research Service, Nebraska, USA Fred Kirschenmann, Leopold Ctr. For Sustainable Ag., Iowa State University, Ames, USA. Email: leopold1@iastate.edu

Associate Editors

John Beeby, Cornell University, NY, USA Shabtai Bittman, Agriculture and Agri-Food, Canada Stefano Canali, CRA-RPS, Italy Kathleen Delate, Iowa State University, USA Carloyn Dimitri, New York University, USA Leslie Duram, Southern Illinois University, USA Charles A. Francis, University of Nebraska, USA Alan Franzluebbers, USDA-ARS, Georgia, USA Athanasios Gertsis, American Farm School, Greece Peter R. Grace, Queensland University of Technology, Australia Niels Halberg, ICROFS, Denmark Jonathan Halvorson, USDA-ARS, West Virginia, USA Clare Hinrichs, The Pennsylvania State University, USA Don Lotter, St. John's University of Tanzania, Tanzania Daniel Neuhoff, Bonn University, Germany Elizabeth P. Ransom, University of Richmond, USA Shane Rogers, Clarkson University, USA Margaret Roper, CSIRO Plant Industry, Australia David Schimmelpfennig, USDA Economic Research Service (ERS), USA Mickey Swisher, University of Florida, USA Ilkden Talay, Ankara University, Turkey Raymond R. Weil, University of Maryland, USA

Submission of Manuscripts

Manuscripts should be submitted via our online manuscript submission and tracking site, **www.edmgr.com/rafs**. Full instructions for electronic submission are available directly from this site and from journals.cambridge.org/raf. To facilitate rapid reviewing, communications for peer review will be electronic and authors will need to supply a current e-mail address when registering to use the systems.

Full Notes for Authors are available from: journals.cambridge.org/raf

Subscriptions

Renewable Agriculture and Food Systems (ISSN 1742-1705) is published four times a year in March, June, September and December. The subscription price for institutions of Volume 28 (2013) which includes electronic access and delivery by air is £285 (US \$500 in the USA, Canada and Mexico); the electronic only price for institutions is £200 (US \$358 in the USA, Canada and Mexico). Single parts are £73 (US \$127 in the USA, Canada and Mexico), plus postage.

Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or direct to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU, UK; or in the USA, Canada and Mexico: Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nuack, New York, 10994-2133. EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered subscribers should provide their VAT registration number. Japanese prices for institutions are available from Kinokuniya Company Ltd, P. O. Box 55, Chitose, Tokyo 156, Japan.

Copies of the journal for subscribers in the USA. Canada and Mexico are sent by air to New York to arrive with minimum delay. Periodicals postage paid at New York and at additional mailing offices. Postmaster: send address changes in the USA, Canada and Mexico to: *Renewable Agriculture and Food Systems*, Cambridge University Press, 100 Brook Hill Drive, West Nyack, New York 10994-2133. Claims for missing issues should be made immediately on receipt of the subsequent issue.

Advertising

Advertising queries for all parts of the world except the USA, Canada and Mexico to the Journals Advertising Co-ordinator: Rebecca Curtis, ad_sales@cambridge.org Address enquiries in the USA, Mexico and Canada only to: journals_advertising@cup.org

Copying

This journal is registered with the Copyright Clearance Centre, 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 U.S. Copyright law) subject to promotional or commercial purposes. Code 1742-1705/2013 \$16.00. *ISI Tear Sheet Service*, 3501 Market Street, Philadelphia, PA 19104, USA is authorized to supply single copies of separate articles for private use only. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. *For all other use*, permission should be sought from Cambridge or the American Branch of Cambridge University Press.

Renewable Agriculture and Food Systems is abstracted/indexed in Academic Search FullTEXT, AGRICOLA (Bibliography of Agriculture), AGRIS, Biological and Agricultural Index, CAB ABSTRACTS, Dietary Supplements (IDIS) Database, Environment Abstracts, Environmental Periodicals Bibliography, First Search (OCLC), Sociological Abstracts, Social Planning/Policy & Developmental Abstracts, Uncover

Internet Access

The online edition is available at: journals.cambridge.org/raf with free table of contents alerts (upon registration).

CAMBRIDGE UNIVERSITY PRESS

The Edinburgh Building, Shaffesbury Road, Cambridge CB2 8RU, UK 32 Avenue of the Americas, New York, NY 10013-2473, USA 477 Williamstown Road, Port Melbourne VIC 3207, Australia

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. Printed by Latimer Trend, Plymouth, UK.



"Sustaining Earth and its People"

Scales image: Design, George Eisele, Lincoln, NE; artwork, Pat Scullion, ASA/ CSSA/SSSA, Madison, WI, USA