

Rural Extension and Innovation Systems Journal

volume 20

number 2

year 2024

ISSN: print 2204-8758

ISSN: online 2204-8766

Contents

page

i	Contents
iii	Editorial Board
iv	Foreword
v	The character of Rural Extension and Innovation Systems Journal

Research – Peer refereed papers

1	Sue Kilpatrick, Nicoli Barnes & Pattie Weichelt Extension's role in translating knowledge and support available to North West Tasmanian agri-food producers: Facilitating collaboration across the regional value chain for resilience?
13	Ramesh Raj Puri, Siva Subramaniam, Heidi Parkes, Vasanthaverni Sivasubramaniam, John Stanley, Olive Hood & Tim Smith The use of participatory approaches in the development and extension of fall armyworm management practices for the Australian vegetable industry
23	Fadhilla Izzaty Syaukat & Katsumori Hatanaka Attracting youth to agriculture through the Japanese agriculture Technical Intern and Training Program – A case study of Indonesia
35	K Sinclair, SJ Baker & SP Boschma Meeting producer knowledge requirements to enable 'successful' sub-tropical grass establishment and management
46	AM Jr Gonzales, AJL Cariaso, AGC Pechon, MN Salvador, AB Dote, JAR Malbas, GA Ysibido & DMC Gamboa Development of the training program on retooling <i>barangay</i> health workers in Occidental Mindoro, Philippines
54	Amanda Nasse, Nick Roskruge, Janet Reid & Simon Apang Semese The role of sweetpotato (<i>Ipomoea batatas</i>) as a food security crop in Vanuatu: A Tanna Island case study
65	Courtney Stone, Lee Matheson, Terry Parminter, Rob Brazendale & Abbey Dowd Exploring realities: Impacts of lowering primary sector [biogenic] emissions for two case studies

Editorial Board

Editor

Roy Murray-Prior
Agribiz RD&E Services, Qld
reiseditor@apen.org.au

Assistant Editors

Severine van Bommel
University of Queensland

Aysha Fleming
CSIRO, Tas

Denise Bewsell
Scarlati, NZ

Morag Anderson
RMCG, Tas

APEN Secretariat

Megan Ogier
Australasia-Pacific Extension Network
info@apen.org.au

Editorial Board Members

Caroline Coppo
Department of Agriculture and
Fisheries, Qld

Jeff Coutts
Coutts J&R, Qld

Lisa Cowan
Department of Economic
Development, Jobs, Transport &
Resources, Vic

David Gray
Massey University, NZ

Sandy Gunter
Murraylands & Riverlands
Landscape Board, SA

Patricia Hamilton
Country to Canberra Ltd, SA

Olive Hood
Horticulture Innovation Australia

Warren Hunt
DPI&R, NT

John James
Enablers of Change, Tas

Esmail Karamidehkordi
Tarbiat Modares University, Iran

Barbara King
Geosocial Technologies, NZ

Ruth Nettle
University of Melbourne, Vic

Kemi Omotesho
University of Ilorin, Nigeria

Janet Reid
Massey University, NZ

Deepa Roy
Uttar Banga Krishi
Vishwavidyalaya, West Bengal,
India

Tracy Schultz
University of Queensland

Elske van de Fliert
University of Queensland, Qld

Victoria Westbrooke
Lincoln University, NZ

Foreword

Volume 20, Number 2 of the *Rural Extension and Innovations Systems Journal* contains Research papers only. The Research section is for publishing outcomes of research in extension. It contains papers which have been subject to a double-blind reviewing process by two independent reviewers. These papers include research into change management, extension, development and innovation systems issues for agricultural and natural resource management. They must follow a rigorous and recognised disciplinary research methodology and are double-blind reviewed by Editorial Board members and selected reviewers.

Field notes papers are informal, accessible articles that document successes, failures and the lessons from extension professionals' experiences. They provide an opportunity for rural advisors and extension practitioners to publish stories and case studies about extension practice, which are relevant to other field operatives, but also show the application of extension theory to practice. They are assessed and edited to ensure coherency and suitability to these goals.

The journal is managed by the Australasia-Pacific Extension Network by an Editor (Roy Murray-Prior), four Assistant Editors (Severine van Bommel, Aysa Fleming, Denise Bewsell and Morag Anderson) and 18 Editorial Board members.

The Rural Extension and Innovation Systems Journal is an open access journal which means that all content is freely available without charge to the user or their institution. Users can read, download, copy, distribute, print, search, or link to the full texts of the articles, or use them for any other lawful purpose, without asking prior permission from the publisher or the author. Users can use, reuse and build upon the material published in the journal but only for non-commercial purposes.

Roy Murray-Prior

Editor

The character of the Rural Extension and Innovation Systems Journal

The *Rural Extension and Innovation Systems Journal* is published by the Australasia-Pacific Extension Network (APEN) with free online access to APEN members and others. A printed version is available to interested individuals and organisations by paid subscription.

The *Rural Extension and Innovation Systems Journal* is an innovative extension publication of APEN. The journal covers extension aspects of rural systems. It is for professional extension practitioners, researchers, educators, farmers, farmer groups, corporate agribusiness managers, professional farm business consultants, extension and development officers, and postgraduate students who want to help extend the available knowledge about efficient and effective agricultural extension and development activities. Extension has many definitions but to provide guidance we will adopt that found on the Australasia Pacific Extension Network website (<http://www.apen.org.au>). There are four types of papers published: Research, Literature reviews, Practice, and APEN conference keynote papers.

Research papers

Research papers contain research into agricultural and natural resource change management, extension, development and innovation systems issues that follow rigorous and recognised disciplinary research methodologies. Papers will be reviewed by the Editor and double-blind reviewed by two Editorial Board members or selected reviewers. Papers for this section target professional extension practitioners, researchers and educators. They should not exceed 7500 words.

Literature reviews

Literature reviews should be academic reviews in the fields of agricultural and natural resource change management, extension, development and innovation systems issues. The paper should follow a well-defined structure and will be reviewed by the Editor and double blind-reviewed by two Editorial Board members or selected reviewers. Maximum length is 5000 words.

Field notes

Field notes provide a forum for practitioners and academics to share their experiences and practical innovations with others in the fields of agricultural extension, farm management and natural resource management. They are informal, accessible articles that document successes, failures and lessons from extension professionals' experiences. Field notes are assessed and edited to ensure coherency and suitability by the Editor or an extension professional. Maximum length is 4000 words.

APEN conference keynote papers

Presenters of Keynote conference papers at APEN conferences will be given an opportunity to publish a paper based on their conference presentation. The focus is also on informal, accessible articles rather than academic articles. The Editors will review the paper. Papers should not exceed 5000 words.

Who can access the Rural Extension and Innovation Systems Journal?

The *REIS Journal* is published online free of charge for APEN members and a wider audience.

Who can publish in Rural Extension and Innovation Systems Journal?

The *REIS Journal* accepts articles submitted by rural advisory and extension researchers and practitioners worldwide. However, we encourage those of you resident in Australia, New Zealand or Pacific countries to become APEN members by contacting the APEN Secretariat at info@apen.org.au. To submit a paper for publication please send an electronic copy of your paper (edited as per Instructions to Authors, which is available on the *REIS* web site) to the Editor at reiseditor@apen.org.au. There is no charge for submission or publication.

The Editor will decide whether a paper meets the criteria for acceptance and then send it out for review under the relevant guidelines. Those articles accepted after the review process will be published.

Authorship, copyright and submission declaration

When submitting a manuscript corresponding author will be asked to submit an *Authorship, copyright and submission declaration*, which is available from the journal web site. It affirms that:

- The author(s) have been involved in preparation of the manuscript, agree with the order of authors on the manuscript and it does not exclude individuals who have had a major role in the design, conduct or write-up of the material contained in the paper.
- Individuals who have had a significant but not major role in the writing of the paper, the project or the research are acknowledged in the Acknowledgements section.
- The manuscript contains original work of the author(s) listed and where you have included the work of others this has been fully and appropriately acknowledged.
- The work has not been published previously in a peer-reviewed journal (except as part of an academic thesis, report to funding body or working paper).
- The manuscript is not under consideration for publication elsewhere or won't be while it is being considered by REIS and if it is accepted for publication by REIS.
- The authors(s) are willing to provide clarifications, corrections and retractions of mistakes to published papers.
- The research received ethics approval or followed ethical processes as required by your employer, institution, funder or country laws, with details of the ethics approval available if required. All data will be kept private and confidential.
- All participant involvement in the research has been voluntary and based on sufficient information and adequate understanding of both the proposed research and the implications of participation in it. Participants were provided with an opportunity to consent and to withdraw at any time.
- All clearances have been obtained from relevant authorities, including funder, for publication.
- Permission has been obtained for all reproductions from copyrighted sources and is acknowledged in the appropriate place in the manuscript.
- Where financial support for the research was provided, indicate who provided this support and briefly describe their role, if any, in the conduct of the research. If no role, state this. They can be acknowledged in the Acknowledgments section.

Declaration of interest

A declaration of interest is a disclosure of a conflict of interest by an author or authors of a manuscript submitted for publication with the journal. A definition of conflict of interest can be found in the Guidelines on Good Publication Practice by the Committee on Publication Ethics (COPE). A conflict of interest is some financial or personal relationship that may be perceived to have influenced or biased the work. Disclose any interests in the authorship, copyright and submission declaration form. Manuscripts will not necessarily be rejected when conflicts of interests are declared, but the statement will be published if the article is accepted. If there are none then state following Declarations of interest: None.

Copyright and permissions

All articles published by REIS are open access which means that all content is freely available without charge to the user or their institution. Users can read, download, copy, distribute, print, search, or link to the full texts of the articles, or use them for any other lawful purpose, without asking prior permission from the publisher or the author. Users can use, reuse and build upon the material published in the journal but only for non-commercial purposes.

Ethics

All research articles that involve collecting data from or about people should have ethics approval if required by their employer, institution, funder or country laws. Research should be conducted according to the principles outlined in the *National Statement on Ethical Conduct in Human Research 2007* (Updated May 2015) (www.nhmrc.gov.au/guidelines/publications/e72) or equivalent for the country where the research was conducted.

Refereeing process

When a *Research* or *Literature review* paper is submitted, the Editor will organise the double-blind review process to involve two experts in the field of agricultural extension. In the event of strong disagreement between two referees a third referee may be appointed.