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DESCRIPTION

_Agricultural Systems_ is an international journal that deals with interactions - among the components of **agricultural systems**, among hierarchical levels of agricultural systems, between agricultural and other **land use systems**, and between agricultural systems and their **natural, social and economic environments**. Manuscripts submitted to _Agricultural Systems_ generally should include both of the following:

Substantive natural science content (especially **farm- or landscape-level** biology or ecology, sometimes combined with social sciences), and Substantive analysis and discussion of the **interactions** within or among agricultural systems components and other systems.

Preference is given to manuscripts that address whole-farm and landscape level issues, via integration of conceptual, empirical and dynamic modelling approaches.

The scope includes the development and application of systems analysis methodologies in the following areas:

- Systems approaches in the **sustainable intensification** of agriculture; pathways for sustainable intensification; **crop-livestock integration**; farm-level **resource allocation**; quantification of benefits and trade-offs at farm to landscape levels; integrative, participatory and dynamic **modelling** approaches for qualitative and quantitative assessments of agricultural systems and **decision making**; The **interactions** between agricultural and non-agricultural landscapes; the multiple services of **agricultural systems**; **food security** and the **environment**; **Global change** and adaptation science; **transformational adaptations** as driven by changes in climate, policy, values and attitudes influencing the **design of farming systems**; Development and application of farming systems **design tools and methods** for impact, scenario and case study analysis; managing the complexities of dynamic agricultural systems; **innovation systems** and multi stakeholder arrangements that support or promote change and (or) inform policy decisions.

The following subjects are discouraged:

- Econometric, descriptive or other statistical (correlation) analysis of farm, farming systems or household survey data that exclude systems analytical approaches (particularly cross-sectional adoption or economic efficiency studies), landscapes (including the development of typologies), land use change studies, results from crop or livestock trials or other economic analyses without substantive natural science content; Studies focusing on social or political outcomes that lack a clear systems framework and direct application to agricultural systems (i.e. the farm production system.
or landscape, their activities or components, their interactions or synergies); Conceptual frameworks without empirical implementation (unless submitted as a short communication) Studies focusing on specific chemical constituents of plant or animal species or their products; Studies of the operation or efficiency of agricultural or food processing machinery, or of agricultural supply chains without a substantive biological component;

Such subjects are not considered for publication unless they clearly provide substantive and highly generalizable new insights regarding processes operating at farm or landscape levels or describe novel analytical methods applicable to a wide variety of agricultural systems.

The journal publishes original scientific papers, short communications. Review articles and book reviews should only be submitted after consultation with the editors. Review papers generally should focus on the application of specific methods rather than descriptive analyses of agricultural production systems or supply chains.

**AUDIENCE**

Agriculturalists, biologists, veterinarians, economists, social scientists and those interested in management and resource use.

**IMPACT FACTOR**

2018: 4.131 © Clarivate Analytics Journal Citation Reports 2019

**ABSTRACTING AND INDEXING**

Current Contents - Agriculture, Biology & Environmental Sciences
AGRICOLA
Nutrition Abstracts
Science Citation Index
Engineering Village - GEOBASE
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Environmental Abstracts
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To find out more, please visit the Preparation section below.

INTRODUCTION

Agricultural Systems is an international journal that deals with interactions - among the components of agricultural systems, among hierarchical levels of agricultural systems, between agricultural and other land use systems, and between agricultural systems and their natural and social environments. In particular, its aim is to encourage integration of knowledge among those disciplines that underpin agriculture. Many contributions will therefore be multi- or inter-disciplinary. Papers generally focus on either methodological approaches to understanding and managing interactions within or among agricultural systems, or the application of holistic or quantitative systems approaches to a range of problems within agricultural systems and their interactions with other systems. Because of the nature of the readership of Agricultural Systems, the contents of papers should be easily accessible (properly introduced, presented and discussed) to readers from a wide range of disciplines.

The scope includes the development and application of systems methodology, including system modeling, simulation and optimization; ecoregional analysis of agriculture and land use; studies on natural resource issues related to agriculture; impact and scenario analyses related to topics such as GMOs, multifunctional land use and global change; and the development and application of decision and discussion support systems; approaches to analyzing and improving farming systems; technology transfer in tropical and temperate agriculture; and the relationship between agricultural development issues and policy.

Types of paper

The journal publishes original scientific papers, short communications, review articles and book reviews. Review articles and book reviews should be submitted only after consultation with the editors.

Length of Papers

Although there is no absolute word or page limit for manuscripts submitted to AGSY, a recommended maximum is 8000 words for research papers and 4000 words for short communications. Contributions longer than these recommendations may result in a request for modifications to bring the manuscript within these limits.

Submission checklist

You can use this list to carry out a final check of your submission before you send it to the journal for review. Please check the relevant section in this Guide for Authors for more details.

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• Material studied, area descriptions, methods, techniques
• Results
• Discussion
• Conclusion  
• Acknowledgements and any additional information concerning research grants, etc.  
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• Appendices  
• Tables  
• Figures  

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The use of fractional powers instead of root signs is recommended. Also powers of e are often more conveniently denoted by exp.

Levels of statistical significance which can be mentioned without further explanation are: *P <0.05, ** P <0.01 and *** P <0.001.

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