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DESCRIPTION

Aims and Scope of *Field Crops Research*

Field Crops Research is an **international** journal publishing **scientific articles** on:

✓ **experimental** and **modelling research** at **field, farm** and **landscape** levels on **temperate** and **tropical crops** and **cropping systems**, with a focus on **crop ecology** and **physiology, agronomy, and plant genetics** and **breeding**.

✓ Articles on plant genetics and breeding need to be integrated with crop ecology and physiology, and/or agronomy.

✓ An economic analysis may be included if appropriate.

Papers must demonstrate **new scientific insight, original technologies** or **novel methods** that have general application and relevance to field crops.

× *Research findings of a purely corroborative nature, descriptive or of only local significance will not be considered.*

The journal's focus is **major field crops for food and feed**. This focus includes **species used for cultivated pastures**, but *excludes natural grasslands*. **Other species**, including important biofuel crops, could be considered if they contribute to the basic understanding of processes related to development, growth and yield of field crops.

Field experiments on which manuscripts are based should, unless exceptional circumstances apply, include **at least two seasons and/or multiple locations/environments**. The inclusion of **yield data** is highly encouraged to demonstrate how the field experiments contribute to a better understanding of the bio-physical processes related to crop growth and yield.

Papers on crop protection (diseases, pests, weeds) and **soil processes/properties** can be accepted provided they have **a strong focus on crop processes, including consequences for yield**.

Experiments under controlled conditions (glasshouse, growth chamber) are only acceptable as **complementary to field work**.

Papers on remote sensing will only be considered if their focus is the **use of these techniques to understand crop processes and their links to crop yield**.

Reviews and Opinion Papers covering the various subject areas are **solicited**;

✓ authors should **contact one of the Editors-in-Chief** before submission of a review or an opinion paper in order to establish the journal's interest in the topic and nature of the paper

✓ Contributions dealing with emerging topics are especially welcomed

Out-of-scope submissions:

× *Horticultural (i.e., vegetable and fruit species), woody perennial, medicinal and non-cultivated species are outside the scope of the journal.*

× *Studies carried-out exclusively under controlled conditions are outside the scope of the journal.*

× *Articles on crop storage, transportation and usage, and social studies on crops and cropping systems, are outside the scope of the journal.*

AUDIENCE

Temperate and Tropical Crop Scientists.

IMPACT FACTOR

2018: 3.868 © Clarivate Analytics Journal Citation Reports 2019

ABSTRACTING AND INDEXING

TROPAG/RURAL Database

Elsevier BIOBASE

EMBiology

BIOSIS Citation Index

Current Contents - Agriculture, Biology & Environmental Sciences

Ecological Abstracts

Field Crop Abstracts

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INTRODUCTION

Field Crops Research is an international journal publishing scientific articles on both experimental and modelling research at the field, farm and landscape level on temperate and tropical crops and cropping systems, with a focus on crop ecology and physiology, agronomy, and plant genetics and breeding. Articles on plant genetics and breeding need to be integrated with crop ecology and physiology, and/or agronomy. An economic analysis may be included if appropriate.

Papers must demonstrate new scientific insight, original technologies or novel methods that have general application and relevance to field crops. Research findings of a purely corroborative nature, descriptive or of only local significance will not be considered.

The journal's focus is major field crops for food and feed. Other species, including important biofuel crops, could be considered if they contribute to the basic understanding of processes related to development, growth and yield of field crops. Horticultural, medicinal and non-cultivated species are outside the scope of the journal.

Field experiments on which manuscripts are based should, unless exceptional circumstances apply, include at least two seasons and/or multiple locations/environments. The inclusion of yield data is highly encouraged to demonstrate how the field experiments contribute to a better understanding of the bio-physical processes related to crop growth. Papers on crop protection (diseases, pests, weeds) can be accepted provided they have a strong focus on crop processes, including consequences for yield. Experiments under controlled conditions (glasshouse, growth chamber) are only acceptable as complementary to field work; studies carried-out exclusively under controlled conditions are outside the scope of the journal. Articles on crop storage, transportation and usage, and social studies on crops and cropping systems, are outside the scope of the journal.

The journal of *Field Crops Research* would like to inform you of a significant change in our editorial process: all new submissions to *Field Crops Research* will first be assigned on an ad random basis to the Editors-in-Chief for initial evaluation; manuscripts that are within the scope of the journal and meet the quality standards, will be assigned to the Associate Editors who handle the peer-review process and make the final editorial decision to accept or reject the manuscript for publication.

Reviews covering the various subject areas are solicited. Authors should contact the Editors-in-Chief before the submission of a review article in order to establish the journal's interest in the topic and nature of the proposed review.

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1. Original full papers (Regular Papers)
2. Review articles
3. Opinion Papers
4. Short Communications
5. Book Reviews

Original papers should report the results of original research. The material should not have been previously published elsewhere, except in a preliminary form.

Reviews and Opinion Papers covering the various subject areas are solicited; authors should contact the Editors-in-Chief before submission in order to establish the journal's interest in the topic and nature of the paper.

A Short Communication is a concise, but complete, description of a limited investigation, which will not be included in a later paper. Short Communications should be as completely documented, both by reference to the literature and description of the experimental procedures employed, as a regular paper. They should not occupy more than 6 printed pages (about 12 manuscript pages, including figures, etc.).

Book reviews will be included in the journal on a range of relevant books which are no more than 2 years old. Book reviews will be solicited by the Book Review editor. Unsolicited reviews will not usually be accepted, but suggestions for appropriate books for review may be sent to: Dr. J.W. White, USDA-ARS, US Arid-Land Agricultural Research Center, 21881 North Cardon Lane, Maricopa, 85138, USA, Email: Jeffrey.White@ars.usda.gov

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J.M. Lenne : *Asia*

F. Ewert : *Crop and Cropping System Modeling Papers*

A.J. Hall : *Middle East and South America*

V.O. Sadras : *Europe and Oceania*

The e-mails of all co-authors must be submitted together with the manuscript.

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[dataset] Oguro, M., Imahiro, S., Saito, S., Nakashizuka, T., 2015. Mortality data for Japanese oak wilt disease and surrounding forest compositions. Mendeley Data, v1. <http://dx.doi.org/10.17632/xwj98nb39r.1>.

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This journal operates a single blind review process. All contributions will be initially assessed by the editor for suitability for the journal. Papers deemed suitable are then typically sent to a minimum of two independent expert reviewers to assess the scientific quality of the paper. The Editor is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final. [More information on types of peer review.](#)

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Regardless of the file format of the original submission, at revision you must provide us with an editable file of the entire article. Keep the layout of the text as simple as possible. Most formatting codes will be removed and replaced on processing the article. The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also the [Guide to Publishing with Elsevier](#)). See also the section on Electronic artwork.

To avoid unnecessary errors you are strongly advised to use the 'spell-check' and 'grammar-check' functions of your word processor.

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Introduction

State the objectives of the work and provide an adequate background including relevant literature which demonstrates the need for the reported study.

Material and methods

Provide sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized, and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described.

Statistics

For experiments, both the treatment and the design structure, including blocking units, randomization units and observational units, should be clearly identified. When repeated measurements are taken on the same unit, this needs to be explicitly stated. Methods used for statistical analysis should be described with sufficient detail so that a reader, if equipped with the paper, the raw data and the same software, could reproduce all results reported. For example, if an experiment is analysed by a linear mixed model, all fitted terms should be explicitly stated, either in the text or in an equation, specifying which effects are fixed and which are random. For a review of statistical problems frequently encountered with papers submitted to this journal, and how to avoid them, see

Dyke, G., 1997. How to avoid bad statistics. *Field Crops Research* 51, 165-187.

Results

Results should be clear and concise and must be separate from the Discussion section.

Discussion

This should explore the significance of the results of the work, not repeat them. **"Separate Results and Discussion sections are required"**. Avoid extensive citations and discussion of published literature.

Conclusions

The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

Appendices

If there is more than one appendix, they should be identified as A, B, etc. Formulae and equations in appendices should be given separate numbering: Eq. (A.1), Eq. (A.2), etc.; in a subsequent appendix, Eq. (B.1) and so on. Similarly for tables and figures: Table A.1; Fig. A.1, etc.

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- **Title.** Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
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