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### DESCRIPTION

The *Journal of Cereal Science* was established in 1983 to provide an International forum for the publication of original research papers of high standing covering all aspects of **cereal science** related to the functional and nutritional quality of **cereal grains** and their products.

The journal also publishes concise and critical review articles appraising the status and future directions of specific areas of cereal science and short rapid communications that present news of important advances in research. The journal aims at topicality and at providing comprehensive coverage of progress in the field.

Papers [submitted](#) to *Journal of Cereal Science* should not be purely descriptive or confirmatory in nature, but should be innovative and offer new insights into cereal science research.

Research Areas Include:

- **Composition** and analysis of cereal grains in relation to **quality** in end use
- Morphology, biochemistry, and biophysics of cereal grains relevant to **functional** and **nutritional characteristics**
- Structure and physicochemical properties of functionally and nutritionally important **components** of cereal grains such as polysaccharides, proteins, oils, enzymes, vitamins, and minerals
- **Storage** of cereal grains and derivatives and effects on nutritional and functional quality
- Genetics, agronomy, and pathology of **cereal crops** if there is a substantive relationship to end-use properties of cereal grains
- Functional and nutritional aspects of **cereal-based foods** and **beverages**, whether baked, fermented, or extruded
- **Industrial products** (e.g., starch derivatives, syrups, protein concentrates, and isolates) from cereal grains, and their technology
- **functional genomics** as it relates to end-use quality.

Database coverage includes AGRICOLA, Biological Abstracts (BIOSIS), Chemical Abstracts, Current Contents, Food Science and Technology Abstracts, Maize Abstracts, Research Abstracts, and Science Citation Index.

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## IMPACT FACTOR

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## ABSTRACTING AND INDEXING

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AGRICOLA  
Chemical Abstracts  
Current Contents  
FSTA (Food Science and Technology Abstracts)  
Science Citation Index  
Biological Abstracts  
Scopus  
EMBiology

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## GUIDE FOR AUTHORS

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### INTRODUCTION

The *Journal of Cereal Science* was established in 1983 to provide an International forum for the publication of original research papers of high standing covering all aspects of cereal science related to the functional and nutritional quality of cereal grains and their products. The journal also publishes concise and critical review articles appraising the status and future directions of specific areas of cereal science and short rapid communications that present news of important advances in research. The journal aims at topicality and at providing comprehensive coverage of progress in the field. Papers submitted to *Journal of Cereal Science* should not be purely descriptive or confirmatory in nature, but should be innovative and offer new insights into cereal science research.

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Composition and analysis of cereal grains in relation to quality in end use Morphology, biochemistry, and biophysics of cereal grains relevant to functional and nutritional characteristics Structure and physicochemical properties of functionally and nutritionally important components of cereal grains such as polysaccharides, proteins, oils, enzymes, vitamins, and minerals Storage of cereal grains and derivatives and effects on nutritional and functional quality Genetics, agronomy, and pathology of cereal crops if there is a substantive relationship to end-use properties of cereal grains Functional and nutritional aspects of cereal-based foods and beverages, whether baked, fermented, or extruded Industrial products (e.g., starch derivatives, syrups, protein concentrates, and isolates) from cereal grains, and their technology functional genomics as it relates to end-use quality.

The *Journal of Cereal Science* publishes papers originating in any country. Papers dealing with topics of only restricted local interest will not be accepted, however, unless the information presented can be demonstrated to be of general applicability.

The Journal exists to advance scientific concepts in cereal science, and the content of papers published within it must be consistent with this goal.

### **Types of paper**

Research papers:

The main activity of the Journal in fulfilling its mission is the publication of original and innovative research papers of a high scientific standard. These papers should: (a) report a specific identifiable advance in knowledge that has not been published elsewhere; (b) claim no more than can be substantiated by the results; (c) be logically consistent both within themselves and within the existing body of knowledge; (d) give enough information to allow the research to be tested and repeated by competent researchers elsewhere; and (e) give due reference to previously published work relevant to the research described. Papers must contain a maximum of 6000 words of text, no more than six tables or figures and up to 30 references. The second page of the manuscript should contain the Abstract only. The text should then follow the sequence: Introduction, Experimental, Results, Discussion, Acknowledgements, References, Tables, Figure Captions and, finally, Figures. Please number the pages, and each section should also be numbered.

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These should present critical appraisals of the current status and future directions of specific areas of topical interest. They are not intended as exhaustive, archival literature surveys over a broad front. They should aim to give balanced, objective assessments by giving due reference to relevant published work and not merely represent the prejudices of individual authors or summarise only work carried out by the authors or by those with whom the authors agree. They should also avoid undue speculation.

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These are intended as a means of publishing the results of studies of limited size that do not merit high-priority treatment.

We have now renamed the Article Type "Research notes" as "Short communication". If you want to submit a paper for "Research notes", please select the appropriate section category while submitting the paper using the article type "Short communication".

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These are intended as vehicles for conveying news of advances in cereal science, the scientific importance of which merits preferential treatment. Scientific importance and novelty of the information will be the key criteria in judging their acceptability.

The format for Short Communications and Research Notes is flexible. No Abstract is required, and there is no specification as to number of tables, figures or references. The paper should not be split into sections, although it should begin with a few sentences to introduce the subject area and to indicate the nature of the problem being examined. Likewise, at the end of the paper the conclusions drawn from the work should be summarised.

Short Communications and Research Notes will be strictly limited to two printed pages in the journal (equivalent of approx. 2000 words) in total, i.e. including title, references, tables and figures, etc. Where figures or tables are used, the number of words must be reduced to compensate for these, giving due regard to the size of such tables and figures. Other details on preparation are as for conventional research papers.

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Submission for all types of manuscripts to *Journal of Cereal Science* proceeds totally online. Via EVISE website for this journal, [http://www.evise.com/evise/faces/pages/navigation/NavController.jspx?JRNL\\_ACR=YJCRS](http://www.evise.com/evise/faces/pages/navigation/NavController.jspx?JRNL_ACR=YJCRS) you will be guided step-by-step through the creation and uploading of the various files.

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- Ensure all figure and table citations in the text match the files provided
- Indicate clearly if color should be used for any figures in print

*Graphical Abstracts / Highlights files* (where applicable)

*Supplemental files* (where applicable)

Further considerations

- Manuscript has been 'spell checked' and 'grammar checked'
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- Permission has been obtained for use of copyrighted material from other sources (including the Internet)
- Relevant declarations of interest have been made
- Journal policies detailed in this guide have been reviewed
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## **PREPARATION**

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It is important that the file be saved in the native format of the word processor used. The text should be in single-column format. Keep the layout of the text as simple as possible. Most formatting codes will be removed and replaced on processing the article. In particular, do not use the word processor's options to justify text or to hyphenate words. However, do use bold face, italics, subscripts, superscripts etc. When preparing tables, if you are using a table grid, use only one grid for each

individual table and not a grid for each row. If no grid is used, use tabs, not spaces, to align columns. The electronic text should be prepared in a way very similar to that of conventional manuscripts (see also the [Guide to Publishing with Elsevier](#)). Note that source files of figures, tables and text graphics will be required whether or not you embed your figures in the text. 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.

Pages must be numbered, and lines should be numbered consecutively throughout the manuscript.

## Article structure

### *Subdivision - numbered sections*

Divide your article into clearly defined and numbered sections. Subsections should be numbered 1.1 (then 1.1.1, 1.1.2, ...), 1.2, etc. (the abstract is not included in section numbering). Use this numbering also for internal cross-referencing: do not just refer to 'the text'. Any subsection may be given a brief heading. Each heading should appear on its own separate line.

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State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

### *Material and methods*

Provide sufficient detail to allow the work to be reproduced. Methods already published should be indicated by a reference: only relevant modifications should be described.

### *Results*

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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.

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A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.



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To assist in the preparation of a key word index, authors should provide a list of up to four key words on the title page of the manuscript

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Chemical compounds studied in this article

Ethylene glycol (PubChem CID: 174); Plitidepsin (PubChem CID: 44152164); Benzalkonium chloride (PubChem CID: 15865)

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The International System of units (SI) should be followed (see "Quantities, Units and Symbols in Physical Chemistry", Mills, Ian; Cvitas, Tomislav; Homann, Klaus; Kallay, Nikola; Kuchitsu, Kozo, C R C Press Blackwell Science (UK), ISBN: 0632035838, 1995, or "Specification for quantities, units and symbols. Physical chemistry and molecular physics" BS 5775-8:1993 ISO 31-8:1992, ISBN: 0580221954, 1993). You may also wish to consult the website of the Bureau International des Poids et Mesures, <http://www1.bipm.org/en/si>.

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