



JOURNAL OF CEREAL SCIENCE

An official scientific Journal of the International Association for Cereal Science and Technology (ICC)

AUTHOR INFORMATION PACK

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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, in relation to the cereals used.

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, novel and offer new insights into cereal science research**.

Note

The Journal of Cereal Science exists to advance scientific concepts in cereal science, and the content of papers published within it must be consistent with this goal. Manuscripts dealing with topics of only restricted, local interest will not be sent for review unless the information presented can be demonstrated to be of general applicability.

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 uses 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 science **functional genomics** as it relates to end-use quality

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GUIDE FOR AUTHORS

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.

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.

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 give balanced, objective assessments by giving due reference to relevant published work and not merely represent the prejudices of individual authors or summarize only work carried out by the authors or by those with whom the authors agree. They should also avoid undue speculation. They may contain a maximum of 10000 words of text and no more than 60 references.

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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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