



JOURNAL OF THE AMERICAN OIL CHEMISTS' SOCIETY

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Papers must present scientific results that are essentially new. They have to be written in English using either American or British spelling throughout. Authors who have difficulty with English should obtain the assistance of colleagues more proficient in the language, e.g., in the English depart-

ments of their universities, in writing their manuscripts. All manuscripts are subject to peer review.

Authors should submit their manuscripts to the Editorial Office online to facilitate even quicker and more efficient processing. Electronic submission substantially reduces the editorial processing and reviewing times and shortens overall publication times.

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Manuscripts that are returned to the authors for revision should be sent back within 6 weeks for minor and 3 months for major revisions; otherwise they will be considered withdrawn. Rejected manuscripts will not be returned to the authors (except for original illustrations).

Papers that do not conform to the journal norms may be returned to the authors for revision before being considered for publication.

The author is responsible for the accuracy of the references.

### 4 Manuscript preparation

#### General Remarks

JAOCs publishes original research articles, invited reviews, and letters to the editor that add significantly to the body of knowledge concerning the science and technology of fats, oils, oilseed proteins, and related materials. Included are reports of advances, innovations, or important new information pertaining to analysis, properties, processing, products, and applications of these food and industrial resources. Breakthroughs in food science and technology, biotechnology (including biocatalysis and bioprocessing), and industrial products and applications are particularly appropriate. Letters to the editor provide brief reports of significant new findings, new interpretations of published data, or new features of equipment, instrumentation, or techniques. Because of their brevity, letters to the editor can receive expedited review.

The manuscript must be identified with one of the six subject areas on the manuscript submission form as (1) Biotechnology and Biocatalysis, (2) Nonfood or Industrial Applications, (3) Analytical and Physical

Chemistry, (4) Processing and Engineering Technology, (5) Food, Feed Science, and Nutrition, or (6) Nutraceuticals and Functional Foods. Failure to identify the manuscript by one of the above-mentioned subject areas will result in a delay in processing.

*Original research* articles should normally not exceed 10 printed pages including no more than 8 figures, schemes and tables. The number of references should not exceed 15–20.

*Letters to the Editors* should not exceed 3 printed pages in length (800 words are approximately equivalent to one printed page).

All manuscripts are subject to copy editing.

**Spectra.** Submission of spectra as produced by a computer running a spectrometer or by a data station is encouraged. Routine infrared, electronic, NMR, and mass spectra of new compounds should be numerically summarized, as appropriate, in the Experimental Procedures section.

**Acronyms** such as GLC, HPLC, GC-MS, in place of full spelling for instruments, equipment, etc., may be used without spelling the terms out because these are generally recognized terms. Please refer to the JAOCs web site ([www.aocs.org/press/jaocsabbreviations.pdf](http://www.aocs.org/press/jaocsabbreviations.pdf)) for an updated list of acceptable acronyms.

**Chemical formulae and names** as well as the names of organisms must be unambiguous and in accordance with the relevant international recommendations, cf. "IUPAC (1993) Quantities, Units and Symbols in Physical Chemistry, 2nd edn., Blackwell Scientific, Oxford" and "ISO (1993) International Vocabulary of Basic and General Terms in Metrology," Geneva. Trade names should be avoided; abbreviations and uncommon symbols should be explained at first mention.

**DNA sequences** must be submitted to GenBank (NCBI - National Center for Biotechnology Information, Bethesda, USA) or to the EMBL Nucleotide Sequence Data Base (EBI - European Institute of Bioinformatics, Cambridge, UK), and accession numbers must be provided when the paper is accepted.

When **drugs** are mentioned, the international (generic) name should be used. The proprietary name, chemical composition, and manufacturer should be stated in full in the Experimental Procedures section.

**Genus and species names** should be in italics. The common names of animals should not be capitalized.

**Units and abbreviations.** Please adhere to internationally agreed standards such as those adopted by the commission of the International Union of Pure and Applied Physics (IUPAP) or defined by the International Organization of Standardization (ISO). Metric SI units should be used throughout except where non-SI units are more common [e.g. liter (l) for volume].

**Names of instruments and equipment,** and their manufacturers, no longer need to be noted in the Experimental Procedures section. However, sources of chemicals, columns, packing materials, and the like should be included, along with locations of these suppliers.

#### Title Page

The title page should include:

- The name(s) of the author(s) (an asterisk indicates the corresponding author)
- A concise and informative title (limited to 100 characters)
- The affiliation(s) and address(es) of the author(s)
- The e-mail address, telephone, and fax numbers of the corresponding author

#### Abstract

Maximal length of the abstract is 200 words; no literature references should be contained in the abstract. The abstract should briefly state the objective and approach and give a succinct summary of results and major conclusions drawn. Emphasis should be on what was found, not what was done. Letters to the Editors should be preceded by a short abstract (no more than 100 words).

#### Key words

Up to 10 key words that describe the subject matter of their paper should be supplied after the Abstract for indexing purposes. Within the Online Submission system authors are asked additionally to select key words from a key word list. These key words are not printed but used only for matching reviewers from the reviewer database.

**Abbreviations** should be defined at first mention in the abstract and again in the main body of the text and used consistently thereafter (see also *Scientific Style and Format: The CBE Manual for Authors, Editors and Publishers*, 6th edn., Cambridge University Press, Cambridge, UK, 1994). The formal name and EC number of enzymes are used at first mention, and the trivial name can be used subsequently, if more convenient.

A list of **symbols** should follow the abstract if such a list is needed. Symbols must be written clearly. The international system of units (SI units) should be used.

Essential **footnotes** to the text should be numbered consecutively and placed at the bottom of the page to which they refer.

The **Introduction** should state the purpose of the investigation and give a short review of the pertinent literature. It should be

limited to identifying the gap in scientific knowledge or the problem that the research addressed. No more than 8–10 references should need to be cited.

**Experimental Procedures.** Sufficient detail or literature references to such methods should be included in the Experimental Procedures section to permit other scientists to repeat or extend the experiments. This section should also contain an overview of the experimental approach used, especially in the case of complex or unusual designs. Data should not be reported to more significant figures than justified by the experimental procedures used.

The **Results and Discussion** section should describe the outcomes of the study and how these respond to the gap or problem identified in the introduction. Data should be presented as concisely as possible, if appropriate in the form of tables or figures, although very large tables should be avoided. No statement of planned future research or publication is allowed. No separate conclusions or summary section or paragraph is used. Include such conclusions in the abstract.

**Acknowledgements.** These should be as brief as possible. Any grant that requires acknowledgement should be mentioned. The names of funding organizations should be written in full.

**Funding.** Authors are expected to disclose any commercial or other associations that might pose a conflict of interest in connection with submitted material. All funding sources supporting the work and institutional or corporate affiliations of the authors should be acknowledged.

**References.** The list of references should include only works that are cited in the text and that have been published or accepted for publication. "Personal communications" or "Unpublished data" should only be mentioned in the text.

If available the Digital Object Identifier (DOI) can be added at the end of the reference in question.

Example:

Ward J, Robinson PJ (2004) How to detect hepatocellular carcinoma in cirrhosis. *Eur Radiol* 14: 29–36. DOI 10.1007/s00330-004-1450-y

A paper published online but not yet in print can be cited using the DOI:

Ward J, Robinson PJ (2004) How to detect hepatocellular carcinoma in cirrhosis. *Eur Radiol* DOI 10.1007/s00330-004-1450-y

References should be *numbered in the order in which they appear in the text and listed in numerical order*. Journal titles should be abbreviated according to CASSI (Chemical Abstracts Service Source Index). References with correct punctuation should be styled as follows:

#### Journal articles

Nelson LA, Foglia TA, Marmer WN (1996) Lipase-Catalyzed Production of Biodiesel. *J Am Oil Chem Soc* 73:1191–1195

#### Books

Firestone D (2006) *Physical and Chemical Characteristics of Oils, Fats and Waxes*, 2nd edn. AOCS Press, Champaign

#### Multiauthor books

Gunstone FD (1986) *Chemical Properties*. In: Gunstone FD, Harwood JL (eds) *The Lipid Handbook*. Chapman & Hall, London, pp 449–484

#### Patents

Karnofsky GB, Hansotte RJ (1982) Process for Extracting Oleaginous Seed Materials. Particularly Cottonseed with Aqueous Alcohol. U.S. Patent 4,359,417

#### Webpage

National Institute of Health (accessed Jan. 2003) Menopausal Hormone Therapy. <http://www.nih.gov/PHIndex.htm>

#### Illustrations and Tables

All figures (photographs, graphs, or diagrams) and tables should be cited in the text, and each numbered consecutively throughout. Lowercase letters (a, b, etc.) should be used to identify figure parts. If illustrations are supplied with uppercase labeling, lowercase letters will still be used in the figure legends and citations.

**Size of figures.** The figures should either match the width of the column (8.6 cm) or be 13.1 cm or 17.6 cm wide. The maximum length is 23.6 cm.

**Figure legends** must be brief, self-sufficient explanations of the illustrations. The legends should be placed at the end of the text.

Online publication of **color illustrations** is free of charge. For color in the print version, authors will be expected to make a contribution (€ 950, US\$ 1150, plus 19% VAT) toward the extra costs, irrespective of the number of color figures.

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#### Equation

Equations should be numbered sequentially by Arabic numbers in parentheses. The words "equation" and "equations" should be abbreviated Eq. and Eqs., followed by the number except at the beginning of a sentence.

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Text and figures must be sent as separate files.

#### Text

1. Use a normal, plain font (e.g., Times Roman) for text. Other style options:
  - for textual emphasis use italic types.
  - for special purposes, such as for mathematical vectors, use boldface type.
2. Use the automatic page numbering function to number the pages.

3. Do not use field functions.
4. For indents use tab stops or other commands, not the space bar.
5. Use the table functions of your word processing program, not spreadsheets, to make tables.
6. Use the equation editor of your word processing program or MathType for equations.
7. Place any figure legends or tables at the end of the article.
8. Submit all figures as separate files and do not integrate them within the text.

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#### Figures:

EPS or TIFF.

#### Illustrations

The preferred figure formats are EPS for vector graphics exported from a drawing program and TIFF for halftone illustrations. EPS files must always contain a preview in TIFF of the figure. The file name (one file for each figure) should include the figure number. Figure legends should be included in the text at the end and not in the figure file.

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Authors should make their proof corrections on a printout of the PDF file or use the online correction facilities provided with the proof. They should check that the text is complete and that all figures and tables are included.

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