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Author Guidelines

Abstract

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Each manuscript is allocated to a relevant member of the Editorial board, who decides whether the paper should go forward to peer review. Those that do not will be returned at this stage; we make every effort to do this as quickly as possible (usually within seven days) so that the authors can take their work elsewhere without delay. Papers sent out for review will, typically, be assessed by two or three independent referees. Authors may nominate potential referees. These should not have been co-authors or collaborators within the past 3 years, nor should they have any other conflict of interest. If authors wish to request the exclusion of certain reviewers, specific justification must be provided in the cover letter.

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Article types

Original research articles comprise the largest section of the journal and include Full papers, Rapid reports, Methods, Review/Comments, and Short research reviews. Full papers report complete studies that provide new and valuable insights in to the science of chemistry. Rapid reports differ in that the nature of the findings makes priority publication of particular scientific importance, and your cover letter must state clearly why this is the case. Methods papers should still typically focus, as with any other submission, on timely research that addresses fundamental questions in chemical science. The methodology/analytical approach, description and evaluation should be a significant proportion of the manuscript. Research that only evaluates a new method/analytical approach or critically examines existing practice, will also be considered when the conclusion is of general interest to chemical scientists.

Journal of Chemical Engineering and Chemistry Research also accepts comment and/or review articles. Please refer to recent issues of the journal for guidance on acceptable formats. There are no specific requirements, but a



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guideline is up to 1500 words with 0-2 figures. Short Research reviews will be in the range 3500-4000 words, with up to 40 references and four figures. Following a short introduction for context and a “way in” for the non-specialist, these papers will concentrate on the most recent developments in the field. Enquiries or suggestions about these or other types of article are always welcome.

Style notes for all submissions

- Manuscripts should be submitted in Word. Save your file in docx format (Word 2007) or doc format (older Word versions).
- Use Times New Roman font, pt-size 12. Lines and pages should be numbered (to aid review use continuous numbering for lines). Both American and British English are acceptable.
- Where authors have different addresses, use numbered superscripts to refer to each address provided. The format of authors’ affiliations should be: 1. Department of ***, University of ***, City name, State name, Postal code, Country name. Identify the author for correspondence and include research fields for all authors (see a recent journal issue for guidance) and email details.
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- Arrange research papers under the headings Abstract, Keywords, Introduction, Materials and Methods, Results and Discussion, Conclusion, Acknowledgements and References. In the case of modelling or theory papers, include the heading Description in place of Materials and Methods.
- The Abstract for research papers, which must also serve as a stand-alone document, must be a single paragraph not to exceed 250 words. The Abstract should include the rationale, methods, key results and the main conclusion, including key points of discussion. It should not contain citations of other papers. While review submissions need not adhere to this structure, the word limit is applicable.
- Three to eight key words must be given below the Abstract. Words that are in the title should be among these. Very short phrases and scientific names with their common equivalents are acceptable.
- Use italics for emphasis.
- Use the table function, not spreadsheets, to make tables.
- Use the equation editor or MathType for equations and number them in order.
- Do not use field functions.
- Use tab stops or other commands for indents, not the space bar.

Abbreviations

All non-standard abbreviations must first appear in parentheses following their meaning and written in full at first mention in the Abstract, main text and each table and figure legend. Subsequently, only abbreviations should be used.

Standard abbreviations do not need to be defined. There follows a short list of preferred standard abbreviations for cases where confusion is possible.



Tables and figures

Tables

Table titles must be self-explanatory and each presented on a separate page after the main body of the manuscript. Following a concise (single-sentence), informative heading, each table should be fully understandable either through column headings or, if these are insufficient in themselves, through a footnote.

Figures

- Refer to all diagrams, graphs and photographs as “Fig.”.
- Submit figures at approximately twice the size that they will appear. Ensure that, after reduction, they will be compatible with the double-column format of the journal (column width of 80 mm; maximum printed size of 226 × 170 mm).
- Subdivisions of figures should be labeled with lower case, bold letters (e.g. (a), (b)) and referred to in the text in the form Fig. 1a, Figs. 1a, b. Avoid including explanatory material in the figure itself.
- Present diagrams and graphs on a white background, with lines approx. 0.5 mm thick, any shading inserted as lines or dots, and symbols approx. 3 mm across. Use 12 Arial bold font for legends and 10 Arial font for numbering/wordings in figures, use the same font for all figures.
- The preferred symbols, in order, are open circles, closed circles, open and closed squares, and open and closed triangles. The same symbol should be used for the same entity in different figures. The scale marks on graphs should be inside the axes. Axes should be clearly marked with units in brackets after the axis title.
- With photographs, include any scale bars on the picture. Where a figure is made up of several photographs, these should be abutted unless this affects the clarity.
- Submit figures in electronic form. TIFF, JPEG, PSD are acceptable formats for the figures.

Color

We welcome color figures. We can reproduce these figures in greyscale in the hardcopy, but in color online. The fee for color figures in the print copy is \$10 per figure.

Statistics

When appropriate, a statistical methodology must be described. At a minimum, measure of variability, such as standard error or confidence interval, together with the mean should be presented. For error bars on figures, make clear whether the bars represent one or two standard errors, or confidence limits. If appropriate, present results of tests of significance, such as analysis of variance. After an analysis of variance, comparisons of treatment means that are restricted to specific comparisons planned before the collection of data are preferable to simultaneous tests of all treatment means. Present the number of degrees of freedom for error with all statistical analyses.

Units and symbols

The journal uses SI units wherever possible, but accepts that other units may have to be used on occasion. Products of two units must be written with a space between the units (e.g. 10 g m⁻²). Units derived by division



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must be written using the appropriate index (e.g. m s^{-1} (not m/s)). Units are followed by a space (e.g. 10 g mg^{-1} protein). Use the appropriate prefix for units and avoid using multipliers on axes of graphs or in table headings.

Volume units based either on the litre (e.g. L, mL, μL) or on the cubic metre (e.g. m^3 , mm^3 , dm^3) will be accepted, provided that manuscripts are internally consistent in their use. For concentration the same applies, as well as units such as μm , mm and m.

References

Unless there are over 6 authors for a citation, all authors should be listed.

For numbered references, the reference list is ordered in the order of their appearance in the paper. Citations in the text should take the following format:

Nutritional quality of alimentary animal products is a very important parameter, especially, regarding the link between food and human health, a vital area of research today. International medical scientific world believes that dietary fats, and especially those of animal origin, are responsible for certain diseases, especially those of cardiovascular nature and those associated with obesity [1]. However, the research initiated by HU [2] have shown that PUFA include a special category of fats called Omega-3 fatty acids and CLA (or fatty acid Omega 7), which are essential for developing and maintaining a healthy human body. They have to be provided by food as they are not synthesized in the human body, especially CLA, which is present only in milk and meat from ruminants, this result in the hydrogenation processes of linoleic acid by rumen microorganism [3].

In References List:

- [1] F. Abu-Gazaleh, E.L. Lima, T. Menezes, R. Fisberg, Fatty acids and cardiovascular diseases: A review, *Rev. Nutr. Compinas* 15 (2007) 73-80.
- [2] F.B. Hu, J.E. Manson, W.C. Willett, Types of dietary fat and risk of coronary heart disease: A critical review, *J. Am. Col. Nut.* 20 (2001) 5-19.
- [3] S. Millward, M.A. McGuire, M.K. McGuire, Conjugated linoleic acid (CLA) and polyunsaturated fatty acids Omega 3: A ruminant fatty acids with beneficial effects on human health, *J. Food Comp.* 5 (2004) 185-197.
- [4] Saudi Ministry of Economy and Planning [Online], <http://www.mep.gov.sa/>.
- [5] J. Clay, *World Agriculture and the Environment: A Commodity by-Commodity Guide to Impacts and Practices*, Island Press, Washington, United States, 2004, p. 14.
- [6] C.A. Young, T.S. Jordan, Cyanide remediation: Current and past technologies, in: *Proceedings of the 10th Annual Conference on Hazardous Waste Res.*, 1995, pp. 104-129.

In addition, if the article is not published in English, please translate it into English and point out the original language at the end of this reference. For example: [1] A.H. Ling, G.W. Robertson, Reflection coefficient of some tropical vegetation covers, *Chinese Agricultural Science Bulletin* 27 (2009) 141-144. (in Chinese)

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