







JOURNAL OF APPLIED RESEARCH AND TECHNOLOGY

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AUTHOR INQUIRIES

INTRODUCTION

Types of issues

Regular

Special

Types of paper

Contributions falling into the following categories will be considered for publication:

Full length Articles report original research that has not previously published.

Review Articles give a critical assessment of a particular field covered by the journal. A limited number of review articles can be annually published by JART. Review articles should be limited to 50,000 characters (incl. blanks), up to 15 figures and up to 10 tables.









Short communications report new ideas or work-in-progress on experimental or theoretical studies in the fields covered by JART. Short communications should be limited to 15,000 characters (incl. blanks), up to 4 figures and up to 2 tables.

Please ensure that you select the appropriate paper type from the list of options when making your submission.

BEFORE YOU BEGIN

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At submission, all authors are requested to disclose on a separate file (named "Conflict of Interest") any actual or potential conflict of interest including any financial, personal or other relationships with other people or organizations within three years of beginning the submitted work that could inappropriately influence, or be perceived to influence, their work.

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Authors whose native language is not English, or who feel their English language manuscript may require editing to eliminate possible grammatical or spelling errors and to conform to correct scientific English, are strongly recommended to have their manuscripts proofread by an English-speaking colleague or use the service of a professional English editor before submission (they may wish to use the English Language Editing service available from Elsevier's WebShop at http://webshop.elsevier.com/languageediting/, or visit Elsevier's customer support site at http://support.elsevier.com for more information).

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Please note that even though manuscript source files are converted to PDF at submission for the review process, these source files are needed for further processing after acceptance.

All correspondence, including notification of the Editor's decision and requests for revision, takes place by e-mail and via the author's homepage.









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With the manuscript, it is mandatory to submit the names and email addresses of 3 potential referees.

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They should be experts in the field and should have their own publication records.

The final choice of referees will remain entirely with the Editors.

Additional information

Please upload your figures separately from your manuscript.

Ensure the graphics are high-resolution and in the preferred formats which are either TIFF or EPS.

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When our system converts your paper to PDF for the review process, it will include your figures at the end of the PDF file.

PREPARATION

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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 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. For more information on the types of peer review, please visit: http://www.elsevier.com/reviewers/peer-review.

Use of word processing software

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: http://www.elsevier.com/guidepublication).

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.

LaTeX

You are recommended to use the Elsevier article class *elsarticle.cls* (http://www.ctan.org/tex-archive/macros/latex/contrib/elsarticle) to prepare your manuscript and BibTeX (http://www.bibtex.org) to generate your bibliography.

For detailed submission instructions, templates and other information on LaTeX, see http://www.elsevier.com/latex.

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. *Introduction*

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

Results should be clear and concise.

Discussion

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate.

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 any)

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.

Essential title page information

- *Title*. Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.
- Author names and affiliations. Please clearly indicate the given name(s) and family name(s) of each author and check that all names are accurately spelled.

Present the authors' affiliation addresses (where the actual work was done) below the names. Indicate all affiliations with a lower-case superscript letter immediately after the author's name and in front of the appropriate address.

Provide the full postal address of each affiliation, including the country name and, if available, the e-mail address of each author.

• *Corresponding author*. Clearly indicate who will handle correspondence at all stages of refereeing and publication, also post-publication.

Ensure that the e-mail address is given and that contact details are kept up to date by the corresponding author.









• *Present/permanent address*. If an author has moved since the work described in the article was done, or was visiting at the time, a 'Present address' (or 'Permanent address') may be indicated as a footnote to that author's name. The address at which the author actually did the work must be retained as the main, affiliation address. Superscript Arabic numerals are used for such footnotes.

Abstract

A concise and factual abstract (100-250 words) in American or British English (but not a mixture of them) 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.

Graphical abstract

Although a graphical abstract is optional, its use is encouraged as it draws more attention to the online article.

The graphical abstract should summarize the contents of the article in a concise, pictorial form designed to capture the attention of a wide readership.

Graphical abstracts should be submitted as a separate file in the online submission system:

- Image size: Please provide an image with a minimum of 531×1328 pixels (h × w) or proportionally more. The image should be readable at a size of 5×13 cm using a regular screen resolution of 96 dpi.
- Preferred file types: TIFF, EPS, PDF or MS Office files.

See http://www.elsevier.com/graphicalabstracts for examples.

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Highlights

Highlights are a short collection of bullet points that convey the core findings of the article.

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Please use 'Highlights' in the file name and include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point).

See http://www.elsevier.com/highlights for examples.

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Immediately after the abstract, provide 3 to 6 keywords, using American or British spelling (but not a mixture of them) and avoiding general and plural terms and multiple concepts (avoid, for example, 'and', 'of').

Be sparing with abbreviations: only abbreviations firmly established in the field may be eligible.









These keywords will be used for indexing purposes.

Abbreviations

Define abbreviations that are not standard in this field in a footnote to be placed on the first page of the article.

Such abbreviations that are unavoidable in the abstract must be defined at their first mention there, as well as in the footnote.

Ensure consistency of abbreviations throughout the article.

Acknowledgements

Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

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Follow international accepted rules and conventions: use the international system of units (SI). If other quantities are mentioned, give their equivalent in SI.

Math formulae

Please submit math equations as editable text and not as images.

Present simple formulae in line with normal text where possible and use the solidus (/) instead of a horizontal line for small fractional terms, e.g., X/Y. In principle, variables are to be presented in italics. Powers of e are often more conveniently denoted by exp.

Number consecutively any equations that have to be displayed separately from the text (if referred to explicitly in the text).

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Footnotes should be used sparingly.

Number them consecutively throughout the article.

Many word processors build footnotes into the text, and this feature may be used. Should this not be the case, indicate the position of footnotes in the text and present the footnotes themselves separately at the end of the article.

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*Table footnotes: Indicate each footnote in a table with a superscript lowercase letter.

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- Embed the used fonts if the application provides that option.
- Aim to use the following fonts in your illustrations: Arial, Courier, Times New Roman, Symbol, or use fonts that look similar.









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- Submit graphics that are disproportionately large for the content.

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If, together with your accepted article, you submit usable color figures then we will ensure, at no additional charge, that these figures will appear in color online (e.g., ScienceDirect and other sites). For further information on the preparation of electronic artwork, please see http://www.elsevier.com/artworkinstructions.

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Supply captions separately, not attached to the figure.

A caption should comprise a brief title (not on the figure itself) and a description of the illustration.

Keep text in the illustrations themselves to a minimum but explain all symbols and abbreviations used.

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General Points

- Please submit tables as editable text and not as images.
- Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end.
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- Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article.
- Please avoid using vertical rules.
- They should be numbered in consecutive Arabic numerals.
- Text inside tables should be in American or British English (but not a mix of them).
- All tables should have descriptive captions.
- All tables should be mentioned in the text and numbered in the order mentioned.

References

Citation in text

Please ensure that every reference cited in the text is also present in the reference list (and vice versa).

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Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list, they should follow the standard reference style of JART (APA Style) and should include a substitution of the publication date with either 'Unpublished results' or 'Personal communication'. Citation of a reference as 'in press' implies that the item has been accepted for publication.

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As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, author names, dates, reference to a source publication, etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list.

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List: References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters "a", "b", "c", etc., placed after the year of publication.

Examples:

Reference to a journal publication:

Van der Geer, J., Hanraads, J. A. J., & Lupton, R. A. (2010). The art of writing a scientific article. *Journal of Scientific Communications*, 163, 51–59.









Reference to a book:

Strunk, W., Jr., & White, E. B. (2000). *The elements of style*. (4th ed.). New York: Longman, (Chapter 4).

Reference to a chapter in an edited book:

Mettam, G. R., & Adams, L. B. (2009). How to prepare an electronic version of your article. In B. S. Jones, & R. Z. Smith (Eds.), *Introduction to the electronic age* (pp. 281–304). New York: E-Publishing Inc.

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Ensure that the following items are present:

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- E-mail address
- Full postal address

All necessary files have been uploaded, and contain:

- Keywords
- All figure captions
- All tables (including title, description, footnotes)

Further considerations

- Manuscript has been 'spell-checked' and 'grammar-checked'
- References are in the correct format for this journal
- All references mentioned in the Reference list are cited in the text, and vice versa
- All figures are mentioned in the text and numbered in the order mentioned
- All tables are mentioned in the text and numbered in the order mentioned
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