

## **Guide for Authors**

**Journal of Advanced Electrochemistry - JAEC (ISSN: 2455-0205)** provides an international forum for presentation of original papers and reviews on the latest developments of original fundamental research and technological advances in all fields of electrochemistry. Our Journal allows readers to open access of all its contents and provides a central vehicle for the exchange and dissemination of basic ideas in research, development and practice involving the field of electrochemical system for fundamental and industrial researchers throughout the world. The Journal publishes full research papers, review articles and communications of important new scientific and technological findings, encompassing the fundamental and applied research in all aspects of electrochemistry. Papers submitted for publication undergo fast peer-revision process and the accepted one are immediately published on-line.

### **JAEC invites the submission in any of the following category:**

The scope of the Journal involves (but is not limited to) the following areas: Fuel Cells and Biofuel Cells, Electrochemical Energy Conversion and Storage, Corrosion Science and Technology, Electrochemical Material Science, Electrochemical Nanotechnology, Supercapacitors, *In situ* Spectroelectrochemical Methods, Electroanalytical Chemistry, Electrochemical Catalysis, Electrodeposition, Coatings, Processes on Electrodes, Sensors and Biosensors, Bioelectrochemistry, Photoelectrochemistry, Physical Electrochemistry, Nanomaterials in Electrochemistry, Molecular Electrochemistry, Theoretical and Computational Electrochemistry, Materials and Systems Durability and Environmental Electrochemistry

### **Submission of Manuscript (Paper)**

The manuscript should be submitted using the "**Online Submission**" section in our Web site (<http://www.jacsdirectory.com>) along with 'copyright agreement and author responsibilities'. Manuscripts should be submitted by one of the authors of the manuscript through the online Manuscript Tracking System. Regardless of the source of the word-processing tool, only electronic Word (.doc, .docx) files can be submitted. There is no page limit. Only online submissions are accepted to facilitate rapid publication and minimize administrative costs. Submissions by anyone other than one of the authors will not be accepted. The submitting author takes responsibility for the paper during submission and peer review. If for some technical reason submission through the online submission is not possible, the author can contact [editor@jacsdirectory.com](mailto:editor@jacsdirectory.com). If you have problems in online submission system, you can send articles by e-mail to [jaechemeditor@gmail.com](mailto:jaechemeditor@gmail.com).

After successful submission of manuscript, authors will receive Manuscript ID within 24 hours for their submitted article and this id should be used for further communications.

**Authors may suggest two reviewers.** Please provide the name, postal address, e-mail address, telephone and fax numbers, and fields of interest of suggested reviewers. Any technical queries will be referred back to the author, although the Editors reserve the right to make alterations in the text without altering the technical content. All enquiries concerning the publication of accepted papers should be addressed to [jaechemeditor@gmail.com](mailto:jaechemeditor@gmail.com).

Authors are responsible for their research work carried out, presentation and results expressed. Editor-in-Chief, Editors and Editorial Board does not claim any responsibility, liability of

statements made and opinion expressed by authors. Editors do not necessarily agree with the views expressed in the matter published herein.

## Manuscript Details

The manuscript of a research article should be arranged as follows:

1. Title Page
2. Abstract and keywords (optional: graphical abstracts & highlights)
3. Introduction
4. Experimental Methodology
5. Results and Discussion (both can be given as separate headings)
6. Conclusion
7. Acknowledgement
8. References

The manuscripts must be double-spaced typed, written in clear, grammatical English with no typographical errors.

## Title Page

*Title.* Concise and informative. Titles are often used in information-retrieval systems. Avoid abbreviations and formulae where possible.

*Author names and affiliations.* 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 is willing to handle correspondence at all stages of refereeing and publication, also post-publication.

## Abstract

A concise and factual abstract is required (100-200 words). 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, they must be cited in full, without reference to the reference list. 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 (Optional)

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. 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.

## Highlights (Optional)

**Highlights are also optional.** They consist of a short collection of bullet points that convey the core findings of the article and should be submitted in a separate page in the manuscript. Please



use 'Highlights' as the title and include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point).

### **Keywords**

Immediately after the abstract, provide a maximum of 5 keywords, using American spelling 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.

### ***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.

### **Experimental**

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 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.

### **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.).



## Nomenclature and units

Follow internationally accepted rules and conventions: use the international system of units (SI). If other quantities are mentioned, give their equivalent in SI. You are urged to consult the International Union of Pure and Applied Chemistry (IUPAC) <http://www.iupac.org/> for further information.

## Figures and Other Illustrations

Upon submission of an article, authors are informed to include all figures and tables within the text of the manuscript. In addition to that **Figures should be submitted in separate zip files containing all figures**. All figures should be cited in the paper in a consecutive order. Figures should be supplied in either vector art formats (Illustrator, EPS, WMF, FreeHand, CorelDraw, PowerPoint, Excel, etc.) or bitmap formats (Photoshop, TIFF, GIF, JPEG, etc.). Bitmap images should be of 300 dpi resolution at least unless the resolution is intentionally set to a lower level for scientific reasons. If a bitmap image has labels, the image and labels should be embedded in separate layers.

## Tables

Tables should be cited consecutively in the text. Every table must have a descriptive title and if numerical measurements are given, the units should be included in the column heading.

## References

**Manuscripts must contain at least 10 references.** The references must cite recent and relevant research only. At least half (50%) of the references should be published within the last 10 years.

### *Citation in text*

Please ensure that every reference cited in the text is also present in the reference list (and vice versa). Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended in the reference list.

### *Reference style*

*Text:* Indicate references by number(s) in square brackets in line with the text. The actual authors can be referred to, but the reference number(s) must always be given.

**Example:** '..... similarly derived [5,8]. Robert and John [8] explained this theory as ....'

*List:* Number the references (numbers in square brackets) in the list in the order in which they appear in the text.

*Examples:*

Reference to a journal publication:

[1] S. Jagadevan, N.J. Graham, I.P. Thompson, Treatment of waste metalworking fluid by a hybrid ozone-biological process, *J. Hazard. Mater.* 244 (2013) 394–402.

Reference to a book:

[2] W. Strunk Jr., E.B. White, *The Elements of Style*, fourth ed., Longman, New York, 2000.

Reference to a chapter in an edited book:

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

## **Web references**

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.

## **Journal abbreviations source**

Journal names should be abbreviated according to the List of Title Word

Abbreviations: <http://www.issn.org/services/online-services/access-to-the-ltwa/>.

## **Ensure that the following items are present:**

One author has been designated as the corresponding author with contact details:

- E-mail address
- Full postal address
- Phone numbers

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

## **Review Process**

Manuscripts not adhering to the journal guidelines will be returned to authors without scientific evaluation. Submitted manuscripts adhering to journal guidelines are reviewed by the Editor-in-Chief or an Editor, who will assign them to reviewers. The Editorial Board will prepare a decision letter according to the comments of the reviewers, which will be sent to the corresponding author.

## **After Acceptance**

### **Proofs**

We will do everything possible to get your article published quickly and accurately. PDF version of proof will be sent to corresponding author. Corrected proofs must be returned to the publisher within 2-3 days of receipt. Please use this proof only for checking the typesetting, editing, completeness and correctness of the text, tables and figures. Significant changes to the article as accepted for publication will only be considered at this stage with permission from the Editor. It is important to ensure that all corrections are sent back to us in one communication. Please check carefully before replying, as inclusion of any subsequent corrections cannot be guaranteed. Proofreading is solely your responsibility. Before the accepted paper is published we will intimate the processing fees in the acceptance letter.

## **Copyright**

Open Access authors retain the copyrights of their papers, and all open access articles are distributed under the terms of the Creative Commons Attribution license, which permits unrestricted use, distribution and reproduction in any medium, provided that the original work is properly cited.



### Article Processing Charges

JAEC is an open access journal. Open access charges allow publishers to make the published material available for free to all interested online visitors. Authors will have to pay the article processing charge as follows.

For the Paper with Double Authors	-	₹ 1000 / Paper
For the Paper with Multiple Authors	-	₹ 400 / Author / Paper
For International Authors	-	\$ 40 / Paper

**“There is no any other hidden charges”**

The cost towards processing, maintenance of paper in secure data storage, various overhead expenses, formatting charges, employees' salaries, Web, etc.,)

For more details about the article processing, please contact [jaechemeditor@gmail.com](mailto:jaechemeditor@gmail.com)

**Our Aim is to publish the article within 10 days  
from the date of submission**