

# Hydrogen Safety Journal

Authors Guide



## TABLE OF CONTENTS

1. DESCRIPTION	1
2. EDITORIAL BOARD	2
3. GUIDE FOR AUTHORS	2-5

### 1. DESCRIPTION

The Hydrogen Safety Journal aims to provide a leading platform for publishing high-quality interdisciplinary papers on basic and applied research related to safety of hydrogen technologies and applications. Types of article published by this journal include original research, applied research, perspectives, short communications, and review papers. All papers should include some elements of product safety thinking and should clearly demonstrate that they are addressing topics related to hydrogen technologies risk assessment, risk management, hydrogen combustion phenomenology, and codes & standards.

The areas and topics covered by the journal include but are not limited to:

- Fundamental research (experimental and theoretical)
- Applied research
- Solid-state hydrogen storage materials dust cloud explosions and combustion characterization
- Hydrogen storage materials' reactivity and safety
- Accident sequence development and quantification (e.g., hydrogen leak scenarios leading to fires and explosions, etc.).
- Consequence analysis of hydrogen fires and explosions (e.g., property damage, injuries, etc.).
- Safety analysis of hydrogen-powered vehicles and infrastructure
- Hydrogen safety best practices, training, and communications
- Safety of hydrogen production, transportation, and distribution
- Hydrogen supply chain risk management
- Quantitative risk assessment (QRA) and qualitative risk assessment (QLRA) methods
- Safety of hydrogen storage tanks
- Hydrogen products safety (e.g., PEM fuel cells, portable hydrogen generators)
- Unmanned aerial vehicles power by hydrogen
- All-electric aircraft powered by hydrogen and fuel cells
- Safety of hydrogen-based mobile and portable applications (e.g., forklifts, generators, etc.)
- Hydrogen safety codes and standards

## 2. EDITORIAL BOARD

**Editor-in-Chief - Dr. Y. F. Khalil**, Associated Director of Research, United Technologies Research Center (UTRC), East Hartford, CT 06108 USA. Operating Agent for the Hydrogen Safety Task, Hydrogen TCP, member of Connecticut Academy of Science & Engineering (CASE), and Fellow of the University of Oxford, United Kingdom.

Email: [ykhalil@ieahydrogen.org](mailto:ykhalil@ieahydrogen.org)

(alternate) [ykhalil@alumni.stanford.edu](mailto:ykhalil@alumni.stanford.edu); [khalil@alum.mit.edu](mailto:khalil@alum.mit.edu)

### Board Members

**Dr. Stuart Hawksworth**, Director, Health & Safety Laboratory (HSL), Buxton, UK

Email: [stuart.hawksworth@hsl.gsi.gov.uk](mailto:stuart.hawksworth@hsl.gsi.gov.uk)

**Prof. Tadahiro Shibutani**, Yokohama National University (YNU), Japan

Email: [shibu@ynu.ac.jp](mailto:shibu@ynu.ac.jp)

**Prof. Changjian Wang**, Hefei University of Technology, Hefei, Anhui, China

E-mail: [chjwang@hfut.edu.cn](mailto:chjwang@hfut.edu.cn)

**Mary-Rose de Valladares**, M.R.S. Enterprises, LLC, USA

**Dr. Sessa Srinivasan**, Natural Sciences Department, Florida Polytechnic University, Florida, USA

E-mail: [ssrinivasan@floridapoly.edu](mailto:ssrinivasan@floridapoly.edu)

## 3. GUIDE FOR AUTHORS

Please submit your manuscript in both Microsoft Word and Adobe PDF for the peer-review process. Also, please refer to the 'Submission Checklist' provided below for additional information.

### Submission checklist

- 1) For multiple authors, one author has been designated as the corresponding author with contact details (e-mail address and organizational affiliation).
- 2) Figures included in the manuscript should be of the highest possible quality to assist the reviewers of your work.
- 3) Manuscript has been 'spell checked' and 'grammar checked.'

- 4) References in prepared following the APA format.
- 5) Please review our information pages on ethical guidelines for journal publication.
- 6) Submission of your manuscript signifies that the work described has not been published previously (except in the form of an abstract, conference presentation, or as part of a published report or academic thesis).
- 7) Your manuscript may be checked by the assigned reviewers to ensure originality of the submitted research.
- 8) Copyright upon acceptance of your manuscript, authors will be asked to complete a 'Journal Publishing Agreement.' An e-mail will be sent to the corresponding author confirming receipt of the manuscript together with the completed 'Journal Publishing Agreement' form (the latter can be downloaded via a designated link provided in Journal website).

### PREPARATION OF YOUR SUBMISSION

Submissions to this journal proceed totally online using a designated link in the Journal website. You can check the status of your submitted manuscript or find out when it will be published by contacting the Editor-in-Chief or the Editorial Board Members.

All contributions will be initially assessed by the Editor-in-Chief for suitability for the journal. Manuscripts that are deemed suitable are then sent to three independent expert reviewers to assess the scientific quality of the manuscript. The Editor-in-Chief is responsible for the final decision regarding acceptance or rejection of articles. The Editor's decision is final.

*Formatting requirements* - There are no strict formatting requirements, but all manuscripts must contain the essential elements needed, namely: Title, Abstract, Keywords, Introduction, Materials and Methods, Results, and Conclusions & Recommendations for Future Work.

*Article structure* - Divide your manuscript into clearly defined sections and embed the figures and tables in the text.

*Subdivision* - 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 should not be included in section numbering). Also, use this numbering for internal cross-referencing (i.e., do not just refer to 'the text'). Subsections may be given brief heading and each heading should appear on its own separate line.

*Introduction* - State the objectives of your contribution and provide an adequate background/ review of the literature. Avoid a detailed literature survey or a summary of the results unless you are submitting a review paper.

*Material and methods* - Provide sufficient detail to allow your research to be reproduced by others. Methods already published should be indicated by a reference: only relevant modifications should be described.

*Results and Discussion* - Results should be clear, succinct, and demonstrative of the significance of your research. A combined 'Results and Discussion' section is often appropriate. Also, avoid extensive citations and discussion of published literature in this section.

*Conclusions* and recommendations for future work - 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. If deemed necessary, please add your thoughts on how your contribution could be further expanded.

*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), etc. Similarly for tables and figures: Table A.1; Fig. A.1, etc.

### Essential title page information

*Title* – Should be Succinct and informative.

*Names of authors and affiliations* - Please clearly indicate the given name(s) and family name(s) of each author and provide the authors' affiliation addresses 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 e-mail address of each author.

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

*Abstract* - The abstract should be succinct, informative, and briefly states the purpose of the research, the principal results and major conclusions.

*Highlights* - Highlights are a short collection of bullet points that convey the core findings of the manuscript. Highlights are optional and should be submitted in a separate file using the online submission system. Please include 3 to 5 bullet points (maximum 85 characters, including spaces, per bullet point).

*Keywords* – Should be included immediately after the abstract (a maximum of 6 keywords is recommended). Be sparing with abbreviations as keywords.

*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 manuscript.

*Acknowledgements* – Provide acknowledgements (if applicable) in a separate section at the end of the manuscript before the References section.

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

*Preferred fonts* - Arial (or Helvetica), Times New Roman (or Times), Symbol, Courier.

*Tables* - Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the manuscript or at the end after the References or Acknowledgements (if included). Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body.

*Citation in text* - Please ensure that every reference cited in the text is also present in the References section. Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended as references; however, they could be mentioned in the text. If, however, these references are included in the References section, they should follow the standard reference style of the journal and should include a substitution of the publication date with either 'Unpublished results' or 'Personal communication'.

Citation of a reference as 'in press' signifies that the item has been accepted for publication.

*Web references* - As a minimum, the full URL should be given and the date when the reference was last accessed. Include any further information, if known, such as DOI, author names, dates, reference to a source publication, etc.

*Reference formatting* - There are no strict requirements on reference formatting at submission, however, use of the APA format is highly recommended in this journal. Where applicable, author(s) name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter and the pagination must be present.

*Reference style* - Text: All citations in the text should refer to:

1. Single author: the author's name (without initials, unless there is ambiguity) and the year of publication.
2. Two authors: both authors' names and the year of publication;
3. Three or more authors: first author's name followed by 'et al.' and the year of publication. Citations may be made directly (or parenthetically). Groups of references should be listed first alphabetically, then chronologically. Examples: 'as demonstrated (Allan, 2000a, 2000b, 1999; Allan and Jones, 1999). Kramer et al. (2010) have recently shown ' 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.