

Tikrit Journal of Engineering Sciences (TJES)

ISSN: 1813-162X (Print); 2312-7589 (Online)

© College of Engineering, Tikrit University

available online at: <http://www.tj-es.com>,

Doi: <http://dx.doi.org/10.25130/tjes.xxxx>

AUTHOR GUIDELINES

AIMS AND OBJECTIVES

The College of Engineering, Tikrit University publish “**TIKRIT JOURNAL OF ENGINEERING SCIENCES (TJES)**” for the dissemination of original research in all fields of **ENGINEERING**. The journal aims to disseminate the latest development and achievements in scientific research to the world’s community. To ensure quality, submission of manuscripts to TJES shall be subjected to peer review by an international board of distinguished reviewers. The journal is published biannually and in English to strengthen international exchange in academic research across the globe. The journal provides the forum for high-quality research communications and addresses all aspects of experimental observations based on theory and applications. The journal welcomes contributions from all who wishes to report on new developments and latest findings in automotive and mechanical engineering.

LEGAL REQUIREMENTS

The author(s) guarantee(s) that the manuscript has not been submitted for publication to another journal and it will not be published elsewhere in any language without the consent of the copyright owner, Engineering College, Tikrit University, that the rights of third parties will not be violated, and that neither Engineering College, Tikrit University nor the publisher will be held legally responsible should there be any claims for compensation. Authors wishing to include figures or text passages that have already been published elsewhere are required to obtain permission from the copyright owner(s) and to include evidence that such permission has been granted when submitting their papers. Any material received without such evidence will be assumed to originate from the authors.

Authors are encouraged to submit their manuscript through online submission at <http://www.tj-es.com> or send to aziz@tj-es.com. The electronic manuscript shall be prepared in accordance to the “Manuscript Preparation Guide”.

EDITORIAL PROCEDURE

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 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. Manuscripts that are returned to the authors for revision should be sent back within the deadlines; otherwise, they will be considered withdrawn. Rejected manuscripts will not be returned to the authors. 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.

TYPES OF MANUSCRIPT

TJES publishes original research articles, invited review articles, technical notes and technical reports that add significantly to the body of knowledge concerning the science and engineering.

The Journal accepts 7 types of articles defined as follows:

1. **Research Articles:** A research article is a regular article which aims to present new findings. Manuscript of Full-length Original Articles should include an abstract (Purpose, Methods, Results, and Conclusion), Introduction, Experimental Methods, Results and Discussion, Acknowledgment, References, Figure Captions List, and Tables. Graphics, images, and diagrams should be submitted separately in a high-quality original format.
2. **Letters to the Editor:** A letter to the editor is a short article which aims to present new findings that require fast publication procedures.
3. **Technical Notes:** A note is an article (regular or short) which aims to present rather new findings. Technical notes do not exceed four printed pages (including figures and tables). They are the appropriate form for new findings, original preliminary results, comments on papers published in the journal, or important new records. A Technical Note should not include an abstract. Technical notes will be reviewed as normal papers.
4. **Comments:** A comment is a short article that makes comments on another article already published by this Journal or replies to a comment.
5. **Review Articles:** A review article is an article which aims to present comprehensively already existing findings. Review articles are intended to provide an updated perspective on a certain subject that could be relevant for the readership of the journal. Review articles should include an abstract. Review articles are by invitation only
6. **Lecture Notes:** A lecture note is a short review article.
7. **Selected Conference articles:** Upon an agreement with a conference committee, selected papers may be published by the Journal in a special section. In this case, the editor will appoint in collaboration with the conference committee guest editors.

MANUSCRIPT PREPARATION GENERAL GUIDELINES

Manuscripts should be submitted using the Editorial manager as the Online Manuscript Submission and tracking system. The manuscript must be prepared using Microsoft Word. A PDF file derived from Word could be used at the initial submission. However, the source files (MS word file) of the revised manuscripts are required, PDF files are not anymore accepted at this stage. High-quality Figures and Tables along with the legends and captions can be provided separately or at the end of the text, however, authors should indicate the place of their insertions within the text.



A Cover Letter should be submitted as a separate file, to clarify how the article will contribute to the scientific knowledge. A Letter containing authors' Point by Point responses to reviewers' comments is mandatory and should be submitted as a separate file along with the revised manuscripts.

SPECIFIC GUIDELINES

Article Title

The title is CAPITALIZED AND SET IN BOLDFACE (Arial 22 point bold).

Author's Name and Affiliation

The author's name(s) follows the title and is left on the page (Arial 12 point bold). Last names should be spelled out in full and succeeded by author's initials. The author's affiliation, complete mailing address and e-mail address (all in font size 10 point, Arial), phone number is provided immediately below the author name.

Maximal length of the abstract is 250 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 in one paragraph and single column. Emphasis should be on what was found, not what was done.

Keywords

The author should provide three to six keywords that clearly describe the subject matter of the paper and after the abstract for indexing purposes. The keywords must arrange alphabetically.

Text

- The manuscript should be double-spaced using A4 paper.
- The top margin shall be 17 mm.
- The bottom margin shall be 15 mm.
- The left and right margins shall be 20 mm.
- The text shall have both the left and right margins justified
- Papers should be written in clear and concise language and consist of major sections and minor sections.
- Use a normal, plain font (e.g., Times Roman), 10 point for text.
- For textual emphasis use italic types all that must be in double columns.
- For indents use tab stops or other commands, not the space bar.
- Use the table functions of your word processing program, not spreadsheets, to make tables. Tables are referred to in the text by "**Table n**" (capital T).
- Place any figure legends or tables at the end of the article.
- Submit all figures in their original formats and as separate files and kept separate from the text.
- Figures are referred to in the text by "**Fig. n.**" (capital F).
- Indicate the preferred location of each table and figure in the body of the manuscript.

Equations and Mathematical Expressions



Equation numbers should appear in parentheses and be numbered consecutively. All equation numbers must appear on the right-hand side of the equation and should be referred to within the text. Two different types of styles can be used for equations and mathematical expressions. They are inline style and display style. In-line equations/expressions are embedded in paragraphs of the text. For example, $E = mc^2$. In-line equations should not be numbered. Equations in display format are separated from the paragraphs of text. The equation should be flushed to the centered of the column. For example:

$$E = mc^2 \quad (1)$$

Fractional powers should be used instead of root signs. A slash (/) should be used instead of a horizontal line for fractions, whenever possible; for example, use 2/3 for two-thirds. Refer to equations in the text as "Eq. (1)" or, if at the beginning of a sentence, as "Equation (1)".

Using space before and after equation 6 point.

Abbreviations

Abbreviations should be defined at first mention in the abstract and again in the main body of the text and used consistently after that. 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.

Conclusion

A conclusion section must be included and should conclude on the findings of the reported work. There shall be no discussion about results or analysis in this section.

Acknowledgments

An acknowledgment section may be presented after the conclusion if desired. This section shall be kept brief, acknowledging the support rendered by individuals, departments, and organization.

References

References should be cited in the text in the forms: [1], [1, 2], [1-6]. They should be listed and numbered in their order of citation in the text, not by name and date.

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.

References should be numbered in the order in which they appear in the text and listed in numerical order. References with correct punctuation should be styled as follows:

Citation



Reference citations in the text should be identified by numbers in square brackets. Some examples:

1. Negotiation research spans many disciplines [3].
2. This result was later contradicted by Becker and Seligman [5].
3. This effect has been widely studied [1-3, 7].

EndNote Style

TJES2018 EndNote style available. If you want to use EndNote Program, please click here to download [EndNote style file](#).

References list

The list of references should only include works that are cited in the text and that have been published or accepted for publication. Personal communications and unpublished works should only be mentioned in the text. Do not use footnotes or endnotes as a substitute for a reference list. **Examples of different types of references are as follows:**

Journal papers

- [1] Tahseen TA, Ishak M, Rahman MM. Performance predictions of laminar heat transfer and pressure drop in an in-line flat tube bundle using an adaptive neuro-fuzzy inference system (ANFIS) model. *International Communications in Heat and Mass Transfer* 2014; **50**: 85–97.

Books

- [2] Strunk JW, White EB. The elements of style. 4th ed., New York: Longman; 2000.

Book Section

- [3] Kaviany M. Heat transfer in porous media. In: Rohsenow, WM, Hartnett, JP, Cho, YI, (Eds.), Handbook of Heat Transfer. New York, USA: McGraw-Hill; 1998.

Conference or symposium

- [4] Tahseen TA, Gaeid KS, Ajel AR, Mahdi MS. Performance prediction for a forced convection in an equilateral triangular channel based on intelligent control. 1st International Conference for Engineering Researches 2017 Mar 1-2; Baghdad, Iraq. Middle Technical University: p. 10-17.

Dissertation or Thesis

- [5] Mohammed MM. A hybrid CFD-ANN approach to analysis heat transfer laminar flow across flat tube banks. M.Sc. or Ph.D. Thesis. Tikrit University; Tikrit, Iraq; 2016.

Report

- [6] Davids J, Smith D. Analysis of constant-velocity joints under high torque. HMSO: London; 1996: pp. 1-8.



[7] Internet Source: Tahseen TA. How to write and published the impact factor journals. Tikrit University; Tikrit, Iraq. 2018: Available from: <http://en.tu.edu.iq/>

Patent

[8] Trainham JA, Hoertz PG, Bonino CA, Newman JS. Particulate heat transfer fluid and related system and method. USA, patent No. US 9651313 B2; 2017: pp. 1-47.

For any further information, please visit our journal website at <http://www.tj-es.com> or send email to aziz@tj-es.com or lan914@gmail.com or tahseen@tu.edu.iq

EDITOR-IN-CHIEF

Prof. Dr. Aziz Ibrahim Abdullah, Iraq, aziz@tj-es.com

ASSOCIATE EDITOR-IN-CHIEF

Prof. Dr. Raad Hoobi Irzooki, Iraq, dr.raadhoobi@tu.edu.iq

ASSOCIATE EDITORS

Prof. Dr. Tahseen Ahmad Tahseen, Iraq. E-mail: tahseen@tu.edu.iq

Prof. Dr. Duraid Fadhil Ahmed, Iraq. E-mail: drduraid@tu.edu.iq

Assistant Prof. Dr. Mazin B. Abdulrahman, Iraq, E-mail: dr.mazinburhan@tu.edu.iq

Assistant Prof. Dr. Waleed M. Sh. Alabdraba, Iraq. E-mail: walabdraba@tu.edu.iq

Assistant Prof. Dr. Khalaf Ibrahim Hamada, Iraq. E-mail: dr_khalafih@tu.edu.iq

Assistant Prof. Dr. Ahmed Al-Obaidi, Iraq. E-mail: dr.ahmed64@gmail.com

Assistant Prof. Dr. Arkan Ahmed Hussein, Iraq. E-mail: aalghanabe@tu.edu.iq

Assistant Prof. Shaker Mahmood Faisal, Iraq

EDITORIAL ADVISORY BOARD

Prof. Dr. Muthanna H. Al-Dahhan, USA.

Prof. Dr. Fayadh Mohamed Abed, Iraq.

Prof. Dr. M.M.Rahman, Malaysia.

Prof. Dr. Riyadh Salih Al-Mahaidi, Australia.

Prof. Dr. Subhi Aziz Ali, Oman.



Iraq.

Prof. Dr. Tariq Ziad Ismaeel, Iraq.

Prof. Dr. Riyadh Hassan Al-Anbary, Iraq.

Prof. Dr. Namir A. Alwash, Iraq.

Prof. Dr. Saleh Issa Khassaf, Iraq.

Prof. Dr. Yahya Mansoor Al-Wahaibi, Oman.

Prof. Dr. *Bassim H. Hameed*, Malaysia.

Prof. Dr. Ishfaq Ahmad, USA.

Prof. Dr. Nawaf Hazim Saeid, Brunei.

Prof. Dr. Raed A Abd-Alhameed, UK.

Prof. Dr. Hashim Bin Abdul Razak, Malaysia.

