***This paper template will be used only for accepted papers to encourage authors to submit to TJER***

**TEMPLATE FOR SUBMISSION OF MANUSCRIPTS TO THE JOURNAL OF ENGINEERING RESEARCH**

## This document is to be used as a template for preparing manuscripts for submission. Authors are requested to consult the “Author Guidelines” of the journal for detailed guidelines and procedures for submission. Starting the next page, all parts of the manuscript are included (text, tables, and graphics). Tables and figures need to be inserted as close as possible to the point at which they are discussed in the text of the manuscript, and must be either at the beginning or the end of the page.

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A standard TJER publication includes different components (i.e., title, abstract, main text, figure captions, etc.). All of these components are included in the template. When filling the template, authors need to keep the original format of the template as is. This includes the fonts, spacing, page margins, figures and tables titles styles, headers and footnotes. See the Guide, Notes, Notice, or Instructions for Authors on the journal’s homepage to determine which parts should be included for the manuscript that you are preparing.

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REPLACE THIS LINE WITH THE MAIN TITLE OF THE MANUSCRIPT SUBMITTED TO THE JOURNAL OF ENGINEERING RESEARCH (TJER)



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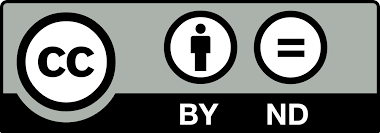
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**الكلمات المفتاحية:** أدخل الكلمات المفتاحية حسب الترتيب األبجدي بينها فواصل.

Corresponding author’s e-mail: [author@email.com](mailto:author@email.com)



*DOI:10.24200/tjer.vol.XXissXppXXX-XXX*

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A separate nomenclature section should list in detail the symbols used in the manuscript, their definitions, and their units in SI system. The nomenclature list should be in an alphabetical order with Greek symbols following the alphabetical listing. Subscripts and superscripts should follow Greek symbols and should be identified with a heading.

# INTRODUCTION

This document is a template for Microsoft Word versions 6.0 or later. If you are reading a paper or PDF version of this document, please download the electronic file, TJER\_Template.docx, from the TJER website at https://journals.squ.edu.om/ index.php/tjer/about/subm[issions#author Guidelines](https://journals.squ.edu.om/index.php/tjer/about/submissions#authorGuidelines) so you can use it to prepare your manuscript. If your paper is intended for a conference, please contact your conference editor concerning acceptable word processor formats for your particular conference.

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When you open ***TJER\_Template.docx***, select “Page Layout” from the “View” menu in the menu bar (View

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# MANUSCRIPT PREPARATION

### Length of Manuscript

Papers submitted for publication in TJER could be **up to ten printed pages.** It is advisable that authors use the manuscript perpetration guideline in order to reduce the amount of time spent on typesetting the manuscript. The font sizes and the manuscript specifications are outlined as follows.

### Typing and Font Specification

Manuscripts should be typed single-spaced on one side of a sheet only, with margins of about 2.5 cm on each side of each page. The font should be Times New Roman for all the components of the manuscript. Font size should be as follows: manuscript title: 16pt, authors names: 11pt, affiliations:10pt, body text 10pt, section title: 12pt, bold, subsection title: 11pt, bold, italic.

### Elements of the Manuscript

Full-length papers generally consist of the title, author(s) affiliation(s), abstract, keywords, nomenclature if applicable, introduction, body, conclusion, references, list of figures and table captions, and original figures and tables for reproduction. A paper may also include appendices and acknowledgments.

### Author Names and Affiliation(s)

Author names on technical papers should include the name of each author followed by his/her company affiliation. If two or more authors have the same company affiliation, it should not be repeated after each name. Do not use titles such as Mr., Mrs., Ms., Miss, Prof. or Dr.

### Keywords

Leave two blank lines after the abstract and type 6-10 key words and phrases (separated by semicolons) that can be used to index the paper, listing the keywords in order of importance for indexing. Do not repeat words or strings of words from the title. Capitalize the first letter of each word.

### Mathematical Notations and Equations

To avoid errors in editing and typesetting,

authors should clearly identify subscripts, superscripts, Greek letters, and other symbols. Equations should be numbered using Arabic numerals placed in parentheses. Break equations to fit within the page. Avoid ambiguities in equations and fractions in the text through the careful use of parentheses, brackets, solids (slants), etc.

Note that in-text, fractions are usually “broken down” to fit in one line and confusion can result if terms are not properly labeled. The conventional order of brackets is {[0]}.

### Units and Abbreviations

The International System of Units (SI units) is required. Unit symbols should be used with measured quantities, i.e. 1 mm, but not when unit names are used in the text without quantities, i.e. “a few millimeters.” Acronyms and abbreviations should be defined the first time they are used in the text.

### Tables

All tables must be cited in the body of the paper. Tables should be numbered in Arabic numerals in the order they are cited in the paper. Tables should be the smallest size possible without loss of clarity. Table headings and column headings should be as concise as possible.

**Table 1**. This is a sample data table.

|  |  |  |  |
| --- | --- | --- | --- |
| Temp.a | Densityb | Viscosityc | Surface Tensiond |
| 2 | 949.87 | - | - |
| 4 | 949.51 | 1230 | 53.06 |
| 6 | 949.99 | 999 | 53.02 |
| 8 | 949.75 | 876 | 54.39 |
| 10 | 949.07 | 795 | 55.29 |
| 14 | 948.02 | 689 | 55.89 |
| 18 | 946.69 | 623 | 56.02 |
| 22 | 945.12 | 573 | 56.99 |
| 26 | 943.18 | 536 | 57.01 |

a Change in temperature above the melting point in oC. bDensity in kg/m3 cViscosity in cP. d Surface tension in [dyn](https://en.wikipedia.org/wiki/Dyne)/cm

If the table or figure is wider than one column, you can switch to one column and insert it. The procedure is as follows:

Place the insertion point at the beginning of the text that will appear in the columns.

Display the Page Layout tab of the ribbon and Click on the Breaks tool. Word displays a list of break types.

Click on Continuous. Word inserts a continuous section break in your document.

Place the insertion point at the end of the text that will appear in the columns.

Repeat steps 2 through 4 to insert another continuous section break.

Place the insertion point anywhere within the text that will appear in the columns.

Click the Columns tool in the Page Setup group. Word displays a number of column options.

Choose the option that indicates how many columns you desire.

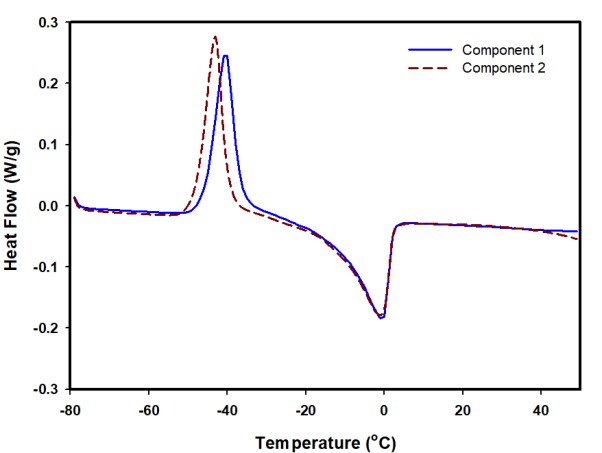
Table 2 below is a copy of Table 1 but reformatted with one column layout using the steps listed above.

Please include a brief summary of the main points of the paper, do not replicate the abstract as the conclusion, and consider elaborating on the translational importance of the work or suggest applications and extensions.

### Figures

All figures must be cited in the body of the paper. Figures should be numbered in Arabic numerals in the order in which they are cited. Related figures or figure sections may be labeled with a shared numeral and consecutive lowercase letters (*eg*. Figs. 1a through 1d). Figures should be the smallest size possible without loss of clarity, preferably designed to occupy a single column (8.2 cm of width) of a printed journal page. Once the paper is accepted for publication, a separate file for each figure in .tif or .tiff format is to be submitted to the technical editor for final printing. The proper resolution of your figures will depend on the type of figure it is as defined in the “Types of Figures” section. Author photographs, color, and grayscale figures should be at least 300dpi. Line art, including tables, should be a minimum of 600dpi. In order to preserve the figures’ integrity across multiple computer platforms, we accept files in the following formats: .EPS/.PDF/.PS. All fonts must be embedded or text converted to outlines in order to achieve the best-quality results.

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**Figure. 1**. Figure caption is here. Note that “Fig.” is abbreviated. There is a period after the figure number, followed by two spaces. It is good practice to explain the significance of the figure in the caption.

# Table 2. This is a sample data table.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Temperaturea** | **2** | **4** | **6** | **8** | **10** | **14** | **18** | **22** |
| **Densityb** | 949.87 | 949.51 | 949.99 | 949.75 | 949.07 | 948.02 | 946.69 | 945.12 |
| **Viscosityc** | - | 1230 | 999 | 876 | 795 | 689 | 623 | 573 |
| **Surface Tension d** | - | 53.06 | 53.02 | 54.39 | 55.29 | 55.89 | 56.02 | 56.99 |

# CONCLUSION

Please include a brief summary of the main point

s of the paper, do not replicate the abstract as the

conclusion, and consider elaborating on the translational importance of the work or suggest applications and extensions.

# CONFLICT OF INTEREST

Authors need to declare any possible conflict of interest in this section.

# FUNDING

Funding body needs to be reported with details of the funded projects.

# ACKNOWLEDGMENT

The preferred spelling of the word “acknowledgment” in American English is without an “e” after the “g.” Use the singular heading even if you have many acknowledgments. Avoid expressions such as “One of us (S.B.A.) would like to thank ...” Instead, write “F.

S. Author thanks ...”. In most cases, sponsor and financial support acknowledgments are placed in the unnumbered footnote on the first page, not here.

# REFERENCES

The references should be included at the end of the manuscript in a separate section named References without a number. All references must be listed alphabetically by the last name of the first author. Ensure that the reference information is complete and accurate, including as necessary and in the following order: first names and initials of all authors; year of publication; title of paper, report, or book chapter (in quotes); title of book or periodical (in italics); volume and issue numbers; name and location of publisher (for books), name and location of publisher or sponsor (for proceedings), or city of publication and inclusive page numbers. Below is a list of sample references:

### Article:

Al-Harthy M, Begg S, Bratvold RB (2007),

Copulas: A new technique to model dependence in petroleum decision making.*Journal of Petroleum Science and Engineering* 57(1): 195-208.

### Book:

### Jaworski P, Durante F, Hardle WK, Rychlik T (2010), Copula theory and its applications.. New York: Springer.

### Conference:

Payne D. B. and Stern J. R. (1985), “Wavelength- switched passively coupled single-mode optical network,” in *Proc. IOOC-ECOC,* Boston, MA, USA, pp. 585–590.

### Technical Report:

Pradier E (2011), Copula theory: an application to risk modeling. Technical report, *Grenoble INP-Ensimag*.

### Thesis and dissertation:

Author J. K. (year), “Title of thesis,” M.S. thesis, Abbrev. Dept., Abbrev. Univ., City of Univ., Abbrev. State.