

Call for Papers

The Philippine Engineering Journal (PEJ) serves as a national medium of exchange of technical information and dissemination of engineering knowledge through the publication of original research work, technical papers, technical notes and research briefs in the field of engineering. Published semi-annually (June and December) by the National Engineering Center (NEC), it is distributed to schools and universities, professional organizations, and international entities and practitioners.

Papers are accepted year-round and peer reviewed following a double blind review process. The PEJ invites authors to submit their work in the fields of chemical engineering, civil engineering, computer science, electrical and electronics engineering, geodetic engineering, energy engineering, environmental engineering, industrial engineering and operations research, materials engineering, mechanical engineering, metallurgical engineering, and mining engineering.

For more information, please visit the PEJ website <<http://journals.upd.edu.ph/index.php/pej/>>.

The Editor

GUIDELINES ON MANUSCRIPTS SUBMITTED FOR PUBLICATION TO THE PHILIPPINE ENGINEERING JOURNAL

All submissions must come with a cover letter addressed to:

The Editor-in-Chief
Philippine Engineering Journal
Room 207, Juinio Hall
National Engineering Center
University of the Philippines
Diliman, Quezon City 1101
Philippines

The cover letter must state that the submission has not been previously published or is not being considered for publication elsewhere. Additionally, all authors must have agreed to the submission.

Submissions may be sent via email to pej.nec@coe.upd.edu.ph. Alternatively, hard copies may be sent to the address above.

A. Format

1. *Document.* Manuscripts shall be submitted in editable electronic form written with page layout specified for 8 1/2" x 11" paper size. A non-editable form (pdf) of the same may be included in your submission for reference. The maximum number of pages allowed depends on the type of manuscripts as shown in the following table:

Type	Page Limit
Original Research Paper	30
Review Paper	30
Short Communication	10
Letter to the Editor	3

2. *Page.* All pages shall have the following dimensions:

Left margin	1.0 inch
Right margin	1.0 inch (2.0 inches for hard-copy submissions)
Top margin	1.0 inch
Bottom margin	1.0 inch
Header (first page only)	0.5 inch
Footer	0.5 inch

The header, which shall contain the date of issue of the PEJ, should be left blank by the author. Pagination should be automatic and should be right-aligned on the last line of the footer.

3. *Paragraphs and Font.* All lines of the main text should be double-spaced and one line of spacing must separate paragraphs. The text shall be written in MS Word using 12-point Times New Roman font. The abstract should be written single-spaced, italicized and using 10-point Times New Roman font.

4. *Headings.* Main headings should be numbered using Roman numerals and written in boldface, e.g., I. Introduction, II. Materials and Methods, and so on. Sub-headings should be numbered using Arabic numerals and written in Italics, e.g. *2.1 Experimental Apparatus*, *3.1 Discussion of Results*. The heading of the abstract should not be numbered. All headings should be left-aligned.

5. *Captions.* All drawings, photographs, graphs and similar graphical material should be labeled and numbered consequently. A brief caption describing the content should appear. The label should be in boldface

while the caption should be plain. Thus, an example would be:

Figure 1. Details of the construction of the experimental apparatus

The label and caption should appear centered below the figure it describes and separated from the figure by only one line of space. Likewise, tables should be labeled and numbered consecutively. The label should appear centered above the table and should be written bold face. The caption should appear directly below the label. Hence, the following format:

Table 3
Summary of Reactor Specifications

Sub labels should be numbered as Figure 3a. Table 2c. Etc. A figure or a table label should be separated from succeeding or preceding text by a line of spacing.

6. *Equations.* All equations should be centered and numbered, the numbering being right-aligned. If possible, the authors should write equations using an equation editor.

7. *References.*

The referencing guidelines used by IEEE shall be adopted by the PEJ. IEEE referencing guidelines may be found in this link: <http://www.ieee.org/documents/ieeecitationref.pdf>. Alternatively, one may contact PEJ for the guidelines at pej.nec@coe.upd.edu.ph

All references found in the reference list should be cited in the text and vice-versa.

Indicate references by number(s) in square brackets. Should the names of the authors be mentioned in the text, the reference number should also be indicated.

Example: ...as described [12,14]. Suarez and Cortez [15] however, used a different approach...

References should be numbered and listed in the order in which they are cited in the main text.

8. *Nomenclature.* All symbols and abbreviations used should be listed in alphabetical order and explained. The units of symbols denoting physical quantities should be given. The format of an entry in the nomenclature is shown below.

Nomenclature

Symbol	Description	Units
g	gravitational acceleration constant	$\frac{m}{s^2}$
R	dimensionless distance defined by Eq. 3	[-]
δ	Thickness of liquid film defined by Eq. 20	[m]

Subscripts, Superscripts and Abbreviations
w subscripts referring to water

B. Submitting to the PEJ

Room 207, Juinio Hall, National Engineering Center
University of the Philippines, Diliman, Quezon City, Philippines 1101

1. Authors should submit a copy of their curriculum vitae.
2. All figures and artwork accompanying the manuscript must be camera-ready. For electronic images that are to be submitted online along with the manuscript, please follow the general points given in the section for Electronic Images and Tables below.
If submitting hard copies, all printed photographs accompanying the printed manuscripts must be in black and white, with 2 copies each and of the dimensions 5" x 4". Photographs should be copy-pasted on 8½" x 11" paper size and properly labeled.
3. All manuscripts must be properly proofread and free of typographical errors upon submission. It is strongly suggested that you run your manuscript through a spell-checker and a grammar-checker prior to submission.

C. Content

1. Unpublished technical papers, short communications, letters to the editor and critical reviews discussing current interests in engineering are accepted for publication.
2. An Abstract not exceeding 200 words must accompany a technical paper and a critical review.
3. In the case of technical papers, there would be an Introduction discussing related previous works (brief literature survey), the relevance of the topic being reported and similar materials should be included. In the case of the critical review, the main purpose of the review should be the focus of the introduction.
4. In the case of technical papers and short communications, a section that may be called Materials and Methods may be devoted to the detailed description of experimental apparatus, materials, equipment, method of investigation, theoretical background, and the like. This section may contain only the bare essentials in the case of short communications.
5. In the case of technical papers and short communications, a section should be devoted to a detailed Discussion Results, their accuracy, and how they compare with the results of other workers, if these area available.
6. In the case of technical papers, short communications and critical reviews there should also be a section summarizing the conclusion, observations or recommendations of the authors. A suggested heading would be Conclusions and Recommendations.
7. References should list the name(s) of the author(s) title of reference materials, volume, month and year of publication.
8. A list of symbols and abbreviations should be provided in a section called Nomenclature of technical papers, short communications and critical reviews.
9. An appendix may be added to discuss the derivations of equations, algorithm of programs used and the like if these derivations, algorithm, etc. do not fit in the text for reason of space, style, etc. but must be included for completeness, clarity and information of the reader.
10. All technical papers submitted will be forwarded to referees in the appropriate field or specialization prior to publication.

D. Electronic Images and Tables

1. Try to use uniform lettering and sizing of original artwork.
2. For text that are part of illustrations, use fonts that look similar to each other and, if possible, to the font used for your text.
3. Text that appear on the figure itself should be kept to a minimum, but must clearly communicate the meanings of all symbols or codes and abbreviations used. Note that the title should not appear on the figure itself.
4. The illustrations or images are to be numbered according to their sequence as found in your text.
5. Captions should be provided for each and every figure and table. A caption should provide a brief title and a concise description of the figure/table itself.
6. Size the images close to the desired dimensions of the published version and submit each illustration as separate files.
7. Electronic artwork created in a Microsoft Office application should be supplied as it is created in its native format.
8. If the application used for preparing the artwork is other than Microsoft Office, save the image or convert

to any one of the following formats giving attention to details such as halftones and pixels.

- EPS or PDF – all used fonts should be embedded.
 - TIFF or JPEG – color or grayscale photographs (halftones), minimum 300 dpi.
 - TIFF or JPEG – bitmapped pure black & white pixels line drawings, minimum of 1000 dpi.
 - TIFF or JPEG – combinations bitmapped line/half-tone color or grayscale, minimum of 500 dpi.
9. Do not supply files that are
- optimized for screen use such as GIF, BMP, PICT or WPG.
 - have very low resolution
 - disproportionately large graphics in relation to content.
10. Submit tables as editable text (not images). You may place tables next to the relevant text within the article or on separate pages at the end of the article, numbering them according to their sequence of appearance in the text.