

Note for Authors

Paper submitted for publication in Engineering Journal CMU should consist of the following sections: Titles, Authors Names and Address, Abstract, Introduction, Materials and Methods, Results and Discussion, Conclusion, Acknowledgements (if any), Reference, and Appendix (if any). Articles should be as concise as possible and must be written in either Thai or English. Authors are requested to follow the Journal's style and format and should refer to current issues as a guide. Electronic template of manuscript in Thai or in English may be downloaded from <www.eng.cmu.ac.th>. Details of style and format of the required manuscript are;

Text format: The manuscript should be prepared using a word processing software such as Microsoft Word or LaTeX. A4 size paper is conventionally accepted. Margins in page set up must be set as follows;

Top Margin	3.0	cm.	Bottom Margin	3.0	cm.
Left Margin	2.5	cm.	Right Margin	2.5	cm.

There should be 3 sections. The first and the third sections are single column format for Titles, Authors Names and Address, Abstract and References. The second is two 7.6 cm wide columns formatted with section separation of 0.8 cm. for the remainder of the paper.

Font, Font Size & Typeface Angsana UPC front type is required for Thai text and Times New Roman font type is required for English text. Font size [Pica]for various text functions are tabulated as follows.

Text functions	English Manuscript Font = Times New Roman		Thai Manuscript Font = Angsana UPC	
	pica Size ++	Typeface	pica Size ++	Typeface
Title	20[CT]	Bold	26[CT]	Bold
Author and Co-authors	11[CT]	Bold	14[CT]	Bold
Address of Correspondence	11[CT]	Normal	14[CT]	Normal
Abstract & Reference Heading	12[CT]	Bold	16[LRJ]	Bold
Section Heading & Number	12[LJ]	Bold	16[LJ]	Bold
Subsection Heading & Number	11[LJ]	Bold	14[LJ]	Bold
Abstract & Main Texts	11[LRJ]	Normal	14[LJ]	Normal

+ CT = Central Text, LJ = Left Justified, LRJ = Left & Right Justified

Text flow: To ease manuscript preparation, some general comments are described here. Paper should not exceed 16 pages in length, including figures and tables. Charts, photographs, graphs, diagrams and tables should be of good quality and sharp. All lettering, graph lines and points on graphs should be sufficiently large. Photos should be put into a text stream using a high resolution scanner. All illustrations should be provided in camera ready form and numbered consecutively. Tables should not duplicate results presented elsewhere in the manuscript, (e.g. in graphs). Equations and complex expressions should be carefully prepared.

Units: The SI system should be used for all scientific and laboratory data. If it is necessary to quote other units, these should be added in parentheses.

Reference: Only reference cited in the text should be listed in the reference section and should be presented in a list of references following the text of the manuscript (list by sequence of appearance). The full reference should be given in a numerical list at the end of the paper. In the text, authors should refer to references by a number in square brackets on the line (e.g. Terdtoon et al [1]). Reference should be given as follows;

- [1] Ma, F., Hanna, M.A. Biodiesel production: a review. *Bioresource technology*, 1999; 70: 1-15
- [2] Tippayawong, N., Kundhawiorn, N., Jompakdee, W. Long term durability tests of small engines fueled with bio-ethano/gasoline blends. International Symposium on Renewable Energy, 14-17 September, Kuala Lumpur, Malaysia, 2003.
- [3] Suksamai, S. Particulate contamination control using filtration technique. MEng Thesis, Chiang Mai University, Chiang Mai, Thailand, 2003.
- [4] Heywood, J.B. Internal Combustion Engine Fundamentals. McGraw-Hill, Singapore, 1988.

All correspondence should be addressed directly to Editor.



วารสารวิศวกรรมศาสตร์ มหาวิทยาลัยเชียงใหม่
**Engineering Journal Chiang Mai
University**

The purposes of this journal are (1.) to report original research of scholarly value and of reasonable permanence in the areas of engineering; (2.) to report research progress carried out in Thailand's institutions; and to be the center of technology exchange between institutions.

Engineering Journal CMU is sponsored by the Faculty of Engineering, Chiang Mai University. It publishes research papers in all branches of engineering. Brief reports of research results of potential interest to readers are published in the note format. Papers are selected for publication through a peer review process. Submitted articles are judged on the technical originality, quality of exposition and significance of the results. To assist in speeding up the review and publication process, author are requested to follow the Journal's style and format. Author should refer to current issues as a guide. Electronic template of manuscript may be downloaded from <www.eng.cmu.ac.th>. Details of style and format are in the Note for Contributors section of this issue.

Submission of Papers

Authors are requested to submit 2 original manuscripts to the editor of Engineering Journal CMU, Faculty of Engineering, Chiang Mai University, Chiang Mai 50200. Submission of a paper implies that it has not been published elsewhere in the same form. A final revised version of your accepted manuscript should be submitted on a floppy diskette as well as hard copy. The content of the diskette must correspond exactly to the hard copy version of the paper.

Advisory Board

Asst. Prof. Dr. Sermkiat Jomjunyong
Asst. Prof. Dr. Nipon Theera-Umpon

Editor

Prof. Dr. Tanongkiat Kiatsiriroat, : tanong@dome.eng.cmu.ac.th

Editorial Board

Prof. Dr. Pradit Terdtoon
Prof. Dr. Wiwut Tanthapanichakoon
Asst. Prof. Dr. Amarin Boontun
Asst. Prof. Dr. Thongchai Fongsamootr
Dr. Matthew Cole
Dr. C.C Wang
Dr. L. Aye

Prof. Dr. Piyawat Boon-Long
Asst. Prof. Dr. Khajornsak Sopajaree
Dr. Rungsun Udomsri
Asst. Prof. Dr. Sansanee Auephanwiriyaikul
Prof. Dr. S. Seraphin
Assoc. Prof. Dr. N. Maruyama

Address

Faculty of Engineering Chiang Mai University, Chiang Mai 50200 Tel.0-5394-4176-7 Fax. 0-5322-1670
website : www.eng.cmu.ac.th