

# Template for Article Submission in ASEAN Journal of Chemical Engineering

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**Abstract.** This is an author guideline and article template of AJChE. Article should be started by Title of Article followed by Authors Name and Affiliation Address and abstract. The abstract section should be typed in Segoe UI with font size of 10.5 pt and number of words of 150–300. The abstract should be typed as concisely as possible and should be composed of: problem statement, method, scientific finding results, and short conclusion. The abstract should only be typed in one paragraph and one-column format.

**Keywords:** Abstract, Author Guideline, Manuscript, Template (alphabetical order)

## SECTION 1 (LEVEL 1) (Ex: INTRODUCTION)

Introduction should be written in a good and grammatically checked English (can be US or UK English but not a combination of both). Please use Segoe UI of 10.5 pt font size (Mayer, 1975). Author must provide an adequate background, avoiding a detailed literature survey or a summary of the results (Mayer, 1975a; 1975b; 1980). In the last paragraph, the author must state the objectives of the work clearly. References must be cited in e.g. (Anderson *et al.*, 1990; Salehizadeh *et al.* 2004) in which applying the reference manager is recommended.

## SECTION 2 (LEVEL 1) (Ex: MATERIALS AND METHODS)

Methodology could comprise: materials; research procedures; instrument and data analysis; modelling. Each part of methodology could be written in different subsection, using different level.

An Equation may either appear in-text or as a separate item, in such a case it should be indicated by a number in parentheses on the right column margin. Such equations are referred to in-text as Eq. (1), and so on.

$$\nabla \cdot \vec{V} = 0 \quad (1)$$

$$\frac{\partial(\rho u)}{\partial t} + \nabla \cdot (\rho u \vec{V}) - \nabla \cdot (\mu \nabla u) = - \frac{\partial p}{\partial x} \quad (2)$$

$$\frac{\partial(\rho v)}{\partial t} + \nabla \cdot (\rho v \vec{V}) - \nabla \cdot (\mu \nabla v) = - \frac{\partial p}{\partial y} \quad (3)$$

$$\rho c_p \frac{\partial T}{\partial t} + \rho c_p \nabla \cdot (\vec{V} T) - \nabla \cdot (k \nabla T) = 0 \quad (4)$$

### Sub Section (LEVEL 2)

Materials used in the research can be written as a separated sub section. Please provide details of manufacture and purity of materials e.g. Fe(NO<sub>3</sub>)<sub>3</sub>·9H<sub>2</sub>O (99% purity Merck, Germany) was employed as iron oxide precursor.

### Sub Section (LEVEL 3)

If additional subsection is needed, subsection with level 3 could also be introduced.

## SECTION 3 (LEVEL 1) (Ex: RESULTS AND DISCUSSION)

Results and discussion contain findings of research and their discussion. All findings must be supported by sufficient data. This

part must answer the hypothesis of the research stated in the Introduction.

Providing high resolution figures is important to ensure good quality of manuscript. Figure and table must be supported by caption. Refer to and/or cite figures and tables in-text by their full, spelled-out forms. For example:

Figure 1 shows... *but ...in* Figures 1 and 3. (See Figure 2 or Table 1) ...as outlined in Tables 3 and 4. Tables and figures should make the text easier to understand.



**Fig. 1:** Example of figure

Figure and table must be supported by caption. Refer to and/or cite figures and tables in-text by their full, spelled-out forms, as listed above.

Illustrative materials that appear in the Appendix are numbered independently of those that appear in-text. For example: Eq. (A-1), Table A-1, and Figure A-1...

**Table 1.** Example of table

Example data 1	Example data 2	Example data 3
A	B	C
D	E	F

#### SECTION 4 (LEVEL 1) (Ex: CONCLUSIONS)

This section should emphasize the major interpretations and conclusions of the paper as well as their significance. Conclusion must correspond to the objective of the research.

#### SECTION 5 (LEVEL 1) (Ex: ACKNOWLEDGEMENT)

In this section the authors can dedicate the article to a scientist of outstanding merit or acknowledge financial support, technical assistance and other contributions or advice from persons who are not coauthors. The grant number of financial support must be

provided.

#### SECTION 7 (LEVEL 1) (Ex: NOMENCLATURE)

If there are so many variables used, a list of notations must be written here. All variables are in *italic*. For example:

$c_p$	:	specific heat at constant pressure [J kg <sup>-1</sup> K <sup>-1</sup> ]
$D$	:	diameter [m]
$I$	:	thermal inertia [J m <sup>-2</sup> K <sup>-1</sup> s <sup>-1/2</sup> ]
$k$	:	thermal conductivity [W m <sup>-1</sup> K <sup>-1</sup> ]
$n$	:	normal vector
$Nu_\theta$	:	local Nusselt number
$Nu$	:	average Nusselt number
$p$	:	pressure [Pa]
$Re$	:	Reynolds number
$T$	:	temperature [K]
$t$	:	time [s]
$\vec{V}$	:	velocity vector [m s <sup>-1</sup> ]
$u, v$	:	velocity component in x and y directions respectively [m s <sup>-1</sup> ]
$x, y$	:	Cartesian coordinate [m]
$\rho$	:	density [kg m <sup>-3</sup> ]
$\mu$	:	dynamics viscosity [kg m <sup>-1</sup> s <sup>-1</sup> ]
$\theta$	:	angle [degree]

#### SECTION 8 (LEVEL 1) (Ex: AUTHOR CONTRIBUTION)

It is a new section for editions of 2026 and further.

List of contributions e.g. conceptualization, methodology, data collection, formal analysis, validation, data evaluation, visualization, supervision, funding acquisition, writing - original draft, writing - review & editing.

Example

T.E.A: conceptualization, methodology. B.Y.E: writing - original draft.

#### REFERENCES

Reference is listed and numbered in alphabetical order. References must be up to date. It is recommended that the total reference is minimum of 15 and up to date references (10 years old) are 10.

Please use CSL format of ASEAN Journal of Chemical Engineering: <https://csl.mendeley.com/styles/620899881/>

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Specifically, be guided by the following example:

Brunner, C. R., 1996. Medical waste disposal. Incinerator Consultants Incorporated, Reston, Virginia, USA. [\[Books\]](#)

Chester, A. W., and Chu, Y. F., 1982. U. S. Pat. 4 350 835. [\[Patents\]](#)

Ergun, S., 1952. "Fluid flow through packed columns." *Chem. Eng. Prog.*, 48, 89-94. [\[Journal article\]](#)

Goodman, P. W., 1984. Abstracts of papers, International Chemical Congress of Pacific Basin Societies, Honolulu, HI; American Chemical Society, Washington, D.C.; Abstract 05F14. [\[Abstracts\]](#)

Range, W., 1981. Progress in physical organic chemistry. vol. 13, Taft, R. W., ed., John Wiley & Sons, New York. 915-984. [\[Edited books\]](#)

Villa, R. R., 1999. "Corrosion induced by CO<sub>2</sub>- and H<sub>2</sub>S-saturated steam condensates in the Upper Mahiao Pipeline, Leyte, Philippines." 20<sup>th</sup> Annual PNOC-EDC Geothermal Conference, New World Hotel, Makati City, Philippines. [\[Conference papers\]](#)

