

Pertanika Proceeding Series

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INSTRUCTIONS TO AUTHORS

(Manuscript Preparation & Submission Guide)

First edition: June 2024

Please read the *Pertanika* guidelines and follow these instructions carefully. The Chief Executive Editor reserves the right to return manuscripts not prepared per these guidelines.

MANUSCRIPT PREPARATION

The proceeding paper can be an incomplete research finding, consisting of an abstract, introduction, methods, results, discussion, conclusion, acknowledgments, and references. Original research work should present new and significant findings that contribute to the advancement of the research area. The results and discussion section must be supported with relevant references.

Size: Manuscripts should be **4–6 pages with an abstract of less than 200 words**.

Language Accuracy

Pertanika **emphasizes** the linguistic accuracy of every manuscript published. Articles must be written in **English or Malay (Malaysian)** and competently written and presented in clear and concise grammatical English/ Malay. Contributors are strongly advised to have the manuscript checked by a colleague with ample experience writing English manuscripts or a competent English/Malay language editor.

Author(s) **may be required to provide a certificate** confirming that their manuscripts have been adequately edited. **The authors must bear all editing costs.**

Linguistically hopeless manuscripts will be rejected straightaway (e.g. when the language is so poor that one cannot be sure what the authors are trying to say). This process, taken by authors before submission, will greatly facilitate reviewing and, thus, publication.

MANUSCRIPT FORMAT

The paper should be submitted in **one-column format** with 1.5 line spacing throughout. Authors are advised to use Times New Roman 12-point font and MS Word format.

1. *Manuscript Structure*

The manuscripts, in general, should be organized in the following order:

- **Page 1: Running title**

This page should **only** contain the running title of your paper. The running title is an abbreviated title used as the running head on every manuscript page. The running title **should not exceed 60 characters, counting letters and spaces**.

- **Page 2: Author(s) and Corresponding author's information**

General information: This page should contain the **full title** of your paper, **not exceeding 25 words**, with the name of all the authors, institutions and corresponding author's name, institution and full address (Street address, telephone number (including extension), handphone number, and e-mail address) for editorial correspondence. **The corresponding author must be indicated with a superscripted asterisk symbol (*).**

Authors' name: The author's names should be **full without academic titles**. For Asian (Chinese, Korean, Japanese, Vietnamese), please write first and middle names before surname (family name). The last name in the sequence is considered the surname.

Authors' addresses: Multiple authors with different addresses must indicate their respective addresses separately by superscript numbers.

Tables/figures list: The number of **black and white/color figures and tables** should also be indicated on this page. See **"5. Figures & Photographs"** for details.

Example (page 2):

Fast and Robust Diagnostic Technique for the Detection of High Leverage Points

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List of Table/Figure:

Table 1.

Figure 1.

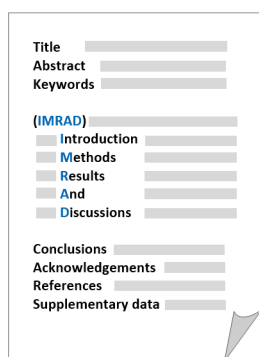
• **Page 3: Abstract**

This page should **repeat** the **full title** of your paper with only the **Abstract**, usually in one paragraph of **less than 200 words** and **Keywords**.

Keywords: **No more than eight (8) keywords in alphabetical order** must be provided to describe the manuscript's content.

• **Page 4: Text**

In this order, a regular paper should be prepared with the headings *Introduction, Materials and Methods, Results and Discussions, Conclusions, Acknowledgements, References, and Supplementary data* (if any). The literature review may be part of or separated from the *Introduction*.



MAKE YOUR ARTICLES AS CONCISE AS POSSIBLE

Most scientific papers are prepared according to a format called IMRAD. The term represents the first letters of the words Introduction, Materials and Methods, Results, And, Discussion. It indicates a pattern or format rather than a complete list of headings or components of research papers; the missing parts of a paper are: Title, Authors, Keywords, Abstract, Conclusions, and References. Additionally, some papers include Acknowledgments and Appendices.

The Introduction explains the scope and objective of the study in the light of current knowledge on the subject; the Materials and Methods describes how the study was conducted; the Results section reports what was found in the study; and the Discussion section explains meaning and significance of the results and provides suggestions for future directions of research. The manuscript must be prepared according to the Journal's instructions to authors.

2. Levels of Heading

Level of heading	Format
1 st	LEFT, BOLD, UPPERCASE
2 nd	Flush left, Bold, Capitalise each word
3 rd	Bold, Capitalise each word, ending with .
4 th	Bold italic, Capitalize each word, end with .

3. Equations and Formulae

These must be set up clearly and should be typed double-spaced. Numbers identifying equations should be in square brackets and placed on the right margin of the text.

4. Tables

- All tables should be prepared in a form consistent with recent *Pertanika* issues and numbered consecutively with Roman numerals (Table 1, Table 2).
- A brief title should be provided, which should be shown at the top of each table (**APA format**):

Example: Table 1

PVY infected Nicotiana tabacum plants' optical density in ELISA

- Explanatory material should be given in the table legends and footnotes.
- Each table should be prepared on a new page and embedded in the manuscript.
- Authors are advised to keep backup files of all tables.

**** Please submit all tables in Microsoft Word format only because tables submitted as image data cannot be edited for publication and are usually in low resolution.**

5. Figures & Photographs

- Submit an **original** figure or photograph.
- Line drawings must be clear, with a high black-and-white contrast.
- Each figure or photograph should be prepared on a new page, embedded in the manuscript for review, to keep the file of the manuscript under 5 MB.
- These should be numbered consecutively with Roman numerals (Figure 1, Figure 2).
- Provide a brief title, which should be shown at the bottom of each table (**APA format**):

Example: *Figure 1. PVY-infected in vitro callus of Nicotiana tabacum*

- If a figure has been previously published, acknowledge the original source and submit written permission from the copyright holder to reproduce the material.
- Authors are advised to keep backup files of all figures.

**** Figures or photographs must also be submitted separately as TIFF or JPEG because figures or photographs submitted in low-resolution embedded in the manuscript cannot be accepted for publication. For electronic figures, create your figures using applications that are capable of preparing high-resolution TIFF files.**

6. Acknowledgment

Any individuals and entities contributing to the research should be acknowledged appropriately.

7. References

- References begin on their page and are listed alphabetically by the first author's last name. Only references cited within the text should be included. All references should be in 12-point font and double-spaced.
- If a Digital Object Identifier (DOI) is listed on a print or electronic source, the DOI must be included in the reference list. Use Crossref to find a DOI using author and title information.

NOTE: When formatting your references, please follow the **APA-reference style** (7th edition) (refer to the examples). Ensure that the references are strictly in the journal's prescribed style, failing which your article will **not be accepted for peer review**. You may refer to the *American Psychological Association Publication Manual* (<https://apastyle.apa.org/>) for further details.

Examples of reference styles are given below:

Books

Books	Insertion in Text	In Reference List
Book/E-Book with 1-2 authors	<p>Information prominent' (the author's name is within parentheses):</p> <p>... (Staron, 2020)</p> <p>... (Darus & Rasdi, 2019)</p> <p>... Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>(Starron, 2020)...</p> <p>Darus and Rasdi (2019) ...</p>	<p>Staron, M. (2020). <i>Action research in software engineering</i>. Springer International Publishing. https://doi.org/10.1007/978-3-030-32610-4</p> <p>Darus, A., & Rasdi, I. (2019). <i>Introduction to occupational health: a workbook</i>. UPM Press.</p>
Book/E-Book with three (3) or more authors	<p><i>List only the first author's family name for all in-text references, followed by 'et al.'</i></p> <p>Information prominent' (the author's name is within parentheses):</p> <p>... (Yusof et al., 2020)</p> <p>... Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>Yusof et al. (2020) ...</p>	<p>Yusof, N. A., Azmi, U. Z. M., Ariffin, N., & Rahman, S. F. A. (2020). <i>Biosensors and chemical sensors: A practical approach</i>. UPM Press.</p>
Book/E-Book with more than 20 authors		<p>For books with more than 20 authors, please follow the guidelines for journal articles with more than 20 authors.</p>
Chapter in an edited Book/E-Book	<p>Information prominent' (the author's name is within parentheses):</p> <p>... (Mainzer, 2020) ...</p> <p>... (Tang et al., 2020) ...</p> <p>Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>Mainzer (2020) ...</p> <p>Tang et al. (2020) ...</p>	<p>Mainzer, K. (2020). Logical thinking becomes automatic. In K. Mainzer (Ed.), <i>Artificial intelligence-When do machines take over?</i> (pp. 15-45). Springer. https://doi.org/10.1007/978-3-662-59717-0_3</p> <p>Tang, W., Khavarian, M., Yousefi, A., & Cui, H (2020). Properties of self-compacting concrete with recycled concrete aggregates. In R. Siddique (Ed.), <i>Self-Compacting Concrete: Materials Properties, and Applications</i> (pp. 219–248) Woodhead Publishing https://doi.org/10.1016/B978-0-12-817369-5.00009-X</p>

Books	Insertion in Text	In Reference List
Editor	<p>Information prominent' (the author's name is within parentheses):</p> <p>... (Kesharwani, 2020) ...</p> <p>... (Lanza et al., 2020) ...</p> <p>Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>Kesharwani (2020) ...</p> <p>Lanza et al. (2020) ...</p>	<p>Kesharwani, P. (Ed.). (2020). <i>Nanotechnology based approaches for tuberculosis treatment</i>. Academic Press.</p> <p>Lanza, R., Langer, R., Vacanti, J. P., & Atala, A. (Eds.). (2020). <i>Principles of tissue engineering</i>. Academic press. https://doi.org/10.1016/C2018-0-03818-9</p>
Several works by the same author in the same year	<p>Information prominent' (the author's name is within parentheses):</p> <p>... (Aggarwal & Aggarwal, 2020a, 2020b) ...</p> <p>Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>Aggarwal & Aggarwal (2020a, 2020b) ...</p>	<p>Aggarwal, P., & Aggarwal, Y. (2020a). Strength properties of SCC. In R. Siddique (Ed.), <i>Self-Compacting Concrete: Materials, Properties, and Applications</i> (p. 83–115). Woodhead Publishing. doi: https://doi.org/10.1016/B978-0-12-817369-5.00004-0</p> <p>Aggarwal, P., & Aggarwal, Y. (2020b). Carbonation and corrosion of SCC. In R. Siddique (Ed.), <i>Self-Compacting Concrete: Materials, Properties, and Applications</i> (p. 147–193). Woodhead Publishing. doi: https://doi.org/10.1016/B978-0-12-817369-5.00007-6</p>

Journals

Journals	Insertion in Text	In Reference List
Journal article with 1-2 authors	<p>Information prominent' (the author's name is within parentheses):</p> <p>... (Laan & Fox, 2019) ...</p> <p>Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>Laan and Fox (2019) ...</p>	<p>Laan, E., & Fox, J. W. (2019). An experimental test of the effects of dispersal and the paradox of enrichment on metapopulation persistence. <i>Oikos</i>, 129(1), 49-58. https://doi.org/10.1111/oik.06552</p>
Journal article with three (3) or more authors	<p><i>List only the first author's family name for all in-text references, followed by 'et al.'</i></p> <p>Information prominent' (the author's name is within parentheses):</p> <p>... (Midi et al., 2020) ...</p> <p>... (Shagufta et al., 2017) ...</p> <p>Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>Midi et al. (2020) ...</p> <p>Shagufta et al. (2017) ...</p>	<p>Midi, H., Hendi, H. T., Arasan, J., & Uraibi, H. (2020). Fast and Robust Diagnostic Technique for the Detection of High Leverage Points. <i>Pertanika Journal of Science & Technology</i>, 28(4), 1203-1220.</p> <p>Shagufta, B., Sivakumar, M., Kumar, S., Agarwal, R. K., Bhilegaonkar, K. N., Kumar, A., & Dubal, Z. B. (2017). Antimicrobial resistance and typing of Salmonella isolated from street vended foods and associated environment. <i>Journal of Food Science and Technology</i>, 54(8), 2532-2539. doi: https://doi.org/10.1007/s13197-017-2698-1</p>

<p>Journal articles with more than 20</p>	<p>Information prominent' (the author's name is within parentheses):</p> <p>... (Wiskunde et al., 2019) ...</p> <p>Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>Wiskunde et al. (2019) ...</p>	<p>Wiskunde, B., Arslan, M., Fischer, P., Nowak, L., Van den Berg, O., Coetzee, L., Juárez, U., Riyaziyyat, E., Wang, C., Zhang, I., Li, P., Yang, R., Kumar, B., Xu, A., Martinez, R., McIntosh, V., Ibáñez, L. M., Mäkinen, G., Virtanen, E., ... Kovács, A. (2019). Indie pop rocks mathematics: Twenty-One Pilots, Nicolas Bourbaki, and the Empty Set. <i>Journal of Improbable Mathematics</i>, 27(1), 1935–1968. https://doi.org/10.0000/3mp7y-537</p>
<p>Journal article with an article number</p>	<p>Information prominent' (the author's name is within parentheses):</p> <p>... (Roe et al., 2020) ...</p> <p>Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>Roe et al. (2020) ...</p>	<p>Roe, E. T., Bies, A. J., Montgomery, R. D., Watterson, W. J., Parris, B., Boydston, C. R., Sereno, M. E., & Taylor, R. P. (2020). Fractal solar panels: Optimizing aesthetic and electrical performances. <i>Plos One</i>, 15(3), Article e0229945. https://doi.org/10.1371/journal.pone.0229945</p>
<p>Journal article with missing information</p>	<p>Information prominent' (the author's name is within parentheses):</p> <p>... (Alfirevic et al., 2017) ...</p> <p>... (Hayat et al., 2020) ...</p> <p>... (Fan et al., 2020) ...</p> <p>Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>Alfirevic et al. (2017) ...</p> <p>Hayat et al. (2020) ...</p> <p>Fan et al. (2020) ...</p>	<p>Missing volume number</p> <p>Alfirevic, Z., Stampalija, T., & Dowswell, T. (2017). Fetal and umbilical Doppler ultrasound in high-risk pregnancies (review). <i>Cochrane Database of Systematic Reviews</i>, (6), pp. 1–163. https://doi.org/10.1002/14651858.CD007529.pub4. Copyright</p> <p>Missing issue number</p> <p>Hayat, A., Shaishta, N., Mane, S. K. B., Hayat, A., Khan, J., Rehman, A. U., & Li, T. (2020). Molecular engineering of polymeric carbon nitride based Donor-Acceptor conjugated copolymers for enhanced photocatalytic full water splitting. <i>Journal of colloid and interface science</i>, 560, 743-754. https://doi.org/10.1016/j.jcis.2019.10.088</p> <p>Missing page or article number</p> <p>Fan, R. G., Wang, Y. B., Luo, M., Zhang, Y. Q., & Zhu, C. P. (2020). SEIR-Based COVID-19 Transmission Model and Inflection Point Prediction Analysis. <i>Dianzi Keji Daxue Xuebao/Journal of the University of Electronic Science and Technology of China</i>, 49 (3). https://doi.org/10.12178/1001-0548.9_2020029</p>
<p>Several works by the same author in the same year</p>	<p>Information prominent' (the author's name is within parentheses):</p> <p>... (Chee et al., 2019a, 2019b) ...</p> <p>Or</p> <p>'Author prominent' (the author's name is outside the parentheses):</p> <p>Chee et al. (2019a, 2019b) ...</p>	<p>Chee, S. S., Jawaid, M., Sultan, M. T. H., Alothman, O. Y., & Abdullah, L. C. (2019a). Accelerated weathering and soil burial affect the color, biodegradability and thermal properties of bamboo/kenaf/epoxy hybrid composites. <i>Polymer Testing</i>, 79, Article 106054. https://doi.org/10.1016/j.polymertesting.2019.106054</p> <p>Chee, S. S., Jawaid, M., Sultan, M. T. H., Alothman, O. Y., & Abdullah, L. C. (2019b). Evaluation of the hybridization effect on the thermal and thermo-oxidative stability of bamboo/kenaf/epoxy hybrid composites. <i>Journal of Thermal Analysis and Calorimetry</i>, 137(1), 55-63. https://doi.org/10.1007/s10973-018-7918-z</p>

Newspapers

Newspapers	Insertion in Text	In Reference List
Newspaper article – with an author	... (Shamshuddin, 2019) ... Or ... Shamshuddin (2019) ...	Shamshuddin, J. (2019, September 23). Lynas plant waste residue can be used to boost oil palm growth? <i>New Straits Times</i> . https://www.nst.com.my/opinion/letters/2019/09/523930/lynas-plant-waste-residue-can-be-used-boost-oil-palm-growth
Newspaper article – without an author	("Zoonotic viruses," 2017). OR "Zoonotic viruses" (2017) ... Use a shortened title (or full title if it is short) in the Headline Case enclosed in double quotation marks.	Zoonotic viruses like swine flu are ticking time bombs, say experts. (2020, July 4). <i>New Straits Times</i> , 3.

Dissertation/Thesis

Dissertation/Thesis	Insertion in Text	In Reference List
Published Dissertation or Thesis References	... (Rivera, 2016) ... Or ... Rivera (2016) ...	Rivera, C. (2016). <i>Disaster risk management and climate change adaptation in urban contexts: Integration and challenges</i> [Doctoral dissertation, Lund University]. Lund University Publications. https://lup.lub.lu.se/search/ws/files/5471705/8570923.pdf
Unpublished Dissertation or Thesis References	... (Brooks, 2014) ... Or ... Brooks (2014) ...	Brooks, J. D. (2015). <i>Bamboo as a strengthening agent in concrete beams for medium-height structures</i> [Unpublished Doctoral dissertation]. The University of Washington.

Conference/Seminar Papers

Conference/Seminar Papers	Insertion in Text	In Reference List
Conference proceedings published in a journal	... (Duckworth et al., 2019) ... Or Duckworth et al. (2019) ...	Duckworth, A. L., Quirk, A., Gallop, R., Hoyle, R. H., Kelly, D. R., & Matthews, M. D. (2019). Cognitive and noncognitive predictors of success. <i>Proceedings of the National Academy of Sciences, USA</i> , 116(47), 23499-23504. https://doi.org/10.1073/pnas.1910510116
Conference proceedings published as a book chapter	... (Bedenel et al., 2019) ... Or Bedenel et al. (2019) ...	Bedenel, A. L., Jourdan, L., & Biernacki, C. (2019). Probability estimation by an adapted genetic algorithm in web insurance. In R. Battiti, M. Brunato, I. Kotsireas, & P. Pardalos (Eds.), <i>Lecture notes in computer science: Vol. 11353. Learning and intelligent optimization</i> (pp. 225-240). Springer. https://doi.org/10.1007/978-3-030-05348-2_21
Online	... (Gu et al., 2018) ... Or Gu et al. (2018) ...	Gu, X., Yu, J., Han, Y., Han, M., & Wei, L. (2019, July 12-14). <i>Vehicle lane change decision model based on random forest</i> . [Paper presentation]. 2019 IEEE International Conference on Power, Intelligent Computing and Systems (ICPICS), Shenyang, China. https://doi.org/10.1109/ICPICS47731.2019.8942520

Government Publications

Government Publications	Insertion in Text	In Reference List
Government as author	<p>First in-text reference: Spell out the full name with the abbreviation of the body.</p> <p>... National Cancer Institute (2019) ...</p> <p>Or</p> <p>... (National Cancer Institute, 2019) ...</p> <p>Subsequent in-text reference:</p> <p>... NCI (2019) ...</p> <p>Or</p> <p>... (NCI, 2019) ...</p>	<p>National Cancer Institute. (2019). <i>Taking time: Support for people with cancer</i> (NIH Publication No. 18-2059). U.S. Department of Health and Human Services, National Institutes of Health. https://www.cancer.gov/publications/patient-education/takingtime.pdf</p>

8. General Guidelines

Abbreviations: Define alphabetically, other than abbreviations that can be used without definition. Words or phrases that are abbreviated in the *Introduction* and following text should be written out in full the first time they appear, with each abbreviated form in parenthesis. Include the common name or scientific name, or both, of animal and plant materials.

Authors' Affiliation: The primary affiliation for each author should be the institution where most of their work was done. If an author has moved to another institution, the current address may also be stated in the footer.

Co-Authors: The commonly accepted guideline for authorship is that one must have substantially contributed to the development of the paper and share accountability for the results. Researchers should decide who will be an author and in what order they will be listed depending upon their importance to the study. Other contributions should be cited in the manuscript's *Acknowledgements*.

Similarity Index: All articles received must undergo the initial screening for originality before being sent for peer review. *Pertanika* does not accept any articles with a similarity index exceeding **20%**.

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Footnotes: Current addresses of authors, if different from the heading, may be inserted here.

Page Numbering: Every manuscript page, including the title page, references, and tables, should be numbered.

Spelling: The journal uses American or British spelling, and authors may follow the latest edition of the Oxford Advanced Learner's Dictionary for British spellings. Each manuscript should follow only one type of spelling.



SUBMISSION OF MANUSCRIPTS

All submissions must be emailed to icsr@usm.my.

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