

# Pertanika Journal of Science & Technology

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## INSTRUCTIONS TO AUTHORS

(SPECIAL ISSUES)

(Manuscript Preparation & Submission Guide)

Revised: February 2021

Please read the *Pertanika* guidelines and follow these instructions carefully. The Chief Executive Editor reserves the right to return manuscripts that are not prepared in accordance with these guidelines.

## **MANUSCRIPT PREPARATION**

## **Manuscript Types**

Pertanika accepts submission of regular articles for peer-review.

# Regular article

Regular article is a full-length original empirical investigation, consisting of introduction, materials and methods, results and discussions, conclusions. Original research work should present new and significant findings that contribute to the advancement of the research area. Analysis and Discussion must be supported with relevant references.

Size: Generally, each manuscript is **not to exceed 6000 words** (excluding the abstract, references, tables, and/or figures), a maximum of **80 references**, and **an abstract of less than 250 words**.

# **Language Accuracy**

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

Author(s) may be required to provide a certificate confirming that their manuscripts have been adequately edited. All editing costs must be borne by the author(s).

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

# **Similarity Index**

All articles received must undergo the initial screening for originality before being sent for peer-review. The Guest Editor should check all the manuscripts for possible plagiarism using Turn-It-In before sending them out for review. *Pertanika* does not accept any article with similarity index **exceeding 20%.** 



#### 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.

## Manuscript Structure

The manuscripts, in general, should be organised 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 page of the manuscript. 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(s) 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 clearly indicated with a superscripted asterisk symbol (\*).

Au tho r s' name: The names of the authors should be named in full without academic titles. For Asian (Chinese, Korean, Japanese, Vietnamese), please write first name and middle name 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: A list of the number of black and white/colour 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 and Keywords.

Keywords: Not more than 8 keywords in alphabetical order must be provided to describe the content of the manuscript.



#### 2. Text

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



#### **M**AKE 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.

# 3. Levels of Heading

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

## 4. 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.

## 5. Tables

- All tables should be prepared in a form consistent with recent issues of *Pertanika* and should be 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, embedded in the manuscript.
- Authors are advised to keep backup files of all tables.

# 6. Figures & Photographs

- · Submit an original figure or photograph.
- · Line drawings must be clear, with a high black and white contrast.

<sup>\*\*</sup> 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.



- Each figure or photograph should be prepared on a new page, embedded in the manuscript for reviewing 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.

# 7. Acknowledgement

Any individuals and entities who have contributed to the research should be acknowledged appropriately.

## 8. References

- References begin on their own page and are listed in alphabetical order 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, it is required to include the DOI 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** (6th 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 *Publication Manual of the American Psychological Association* for further details <a href="https://apastyle.apa.org/">https://apastyle.apa.org/</a>

Examples of reference style are given below:

## **Books**

Books	Insertion in Text	In Reference List
Book/E-Book with 1-2 authors	Information prominent' (the author's name is within parentheses): (Staron, 2020) (Darus & Rasdi, 2019) Or 'Author prominent' (the author's name is outside the parentheses): (Staron, 2020) Darus and Rasdi (2019)	Staron, M. (2020). Action Research in Software Engineering. Springer International Publishing. https://doi.org/10.1007/978-3-030-32610-4  Darus, A., & Rasdi, I. (2019). Introduction to occupational health a workbook. UPM Press.
Book/E-Book with 3 or more authors ( <i>Pertanika</i> 's format)	For all in-text references, list only the first author's family name and followed by 'et al.'  Information prominent' (the author's name is within parentheses): (Yusof et al., 2020) Or  'Author prominent' (the author's name is outside the parentheses):  Yusof et al. (2020)	Yusof, N. A., Azmi, U. Z. M., Ariffin, N., & Rahman, S. F. A. (2020). Biosensors and chemical sensors: A practical approach. UPM Press.



RTANIKA		
Book/E-Book with more than 20 authors		For books with eight or more authors, please follow the guidelines for journal articles with eight or more authors.
Chapter in an edited Book/E-Book	Information prominent' (the author's name is within parentheses): (Mainzer, 2020) (Tang et al., 2020)  Or 'Author prominent' (the author's name is outside the parentheses): Mainzer (2020)  Tang et al. (2020)	Mainzer, K. (2020). Logical thinking becomes automatic. In K. Mainzer (Ed.), Artificial intelligence-When do machines take over? (pp. 15-45). Springer doi: https://doi.org/10.1007/978-3-662-59717-0_3  Tang, W., Khavarian, M., Yousefi, A., & Cui, H. (2020). Properties of self-compacting concrete with recycled concrete aggregates. In R. Siddique (Ed.), Self-Compacting Concrete: Materials, Properties, and Applications (p. 219-248). Woodhead Publishing. https://doi.org/10.1016/B978-0-12-817369-5.00009-X
Editor	Information prominent' (the author's name is within parentheses): (Kesharwani, 2020) (Kommers et al., 2020)  Or 'Author prominent' (the author's name is outside the parentheses): Kesharwani (2020) Kommers et al. (2020)	Kesharwani, P. (Ed.). (2020). Nanotechnology based approaches for tuberculosis treatment. Academic Press.  Kommers, P. A., Jonassen, D. H., Mayes, J. T., & Ferreira, A. (Eds.). (1992). Cognitive tools for learning (Vol. 81). Springer. doi: https://doi.org/10.1007/978-3-642-77222-1
Several works by the same author in the same year	Information prominent' (the author's name is within parentheses): (Aggarwal & Aggarwal, 2020a, 2020b) Or 'Author prominent' (the author's name is outside the parentheses): Aggarwal & Aggarwal (2020a, 2020b)	Aggarwal, P., & Aggarwal, Y. (2020a). Strength properties of SCC. In R. Siddique (Ed.), Self-Compacting Concrete: Materials, Properties, and Applications (p. 83-115). Woodhead Publishing. doi: https://doi.org/10.1016/B978-0-12-817369-5.00004-0  Aggarwal, P., & Aggarwal, Y. (2020b). Carbonation and corrosion of SCC. In R. Siddique (Ed.), Self-Compacting Concrete: Materials, Properties, and Applications (p. 147-193). Woodhead Publishing. doi: https://doi.org/10.1016/B978-0-12-817369-5.00007-6

# **Journals**

Journals	Insertion in Text	In Reference List
Journal article with 1-2 authors	Information prominent' (the author's name is within parentheses): (Laan & Fox, 2019)  Or  'Author prominent' (the author's name is outside the parentheses): Laan and Fox (2019)	Laan, E., & Fox, J. W. (2019). An experimental tes of the effects of dispersal and the paradox o enrichment on metapopulation persistence. <i>Oikos</i> , 129(1), 49-58. https://doi.org/10.1111/oik.06552



Journals	Insertion in Text	In Reference List
Journal article with 3 or more authors ( <i>Pertanika</i> 's format)	For all in-text references, list only the first author's family name and followed by 'et al.'  Information prominent' (the author's name is within parentheses): (Midi et al., 2020) (Shagufta et al., 2017)	Midi, H., Hendi, H. T., Arasan, J., & Uraibi, H. (2020). Fast and Robust Diagnostic Technique for the Detection of High Leverage Points. Pertanika Journal of Science & Technology, 28(4), 1203-1220.  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. Journal of Food Science and Technology, 54(8), 2532-2539. doi: https://doi.org/10.1007/s13197-017-2698-1
	'Author prominent' (the author's name is outside the parentheses):  Midi et al. (2020)	
Journal article with more than 20	Information prominent' (the author's name is within parentheses): (Wiskunde et al., 2019)  Or 'Author prominent' (the author's name is outside the parentheses):	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
Journal article with an article number	Wiskunde et al. (2019)  Information prominent' (the author's name is within parentheses): (Roe et al., 2014)  Or  'Author prominent' (the author's name is outside the parentheses):	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> , <i>15</i> (3), Article e0229945. https://doi.org/10.1371/journal.pone.0229945
Journal article with missing information	Information prominent' (the author's name is within parentheses): (Alfirevic et al., 2017) (Hayat et al., 2020) (Fan et al., 2020)  Or 'Author prominent' (the author's name is outside the parentheses): Alfirevic et al. (2017) Hayat et al. (2020) Fan et al. (2020)	Missing volume number Alfirevic, Z., Stampalija, T., & Dowswell, T. (2017). Fetal and umbilical Doppler ultrasound in high-risk pregnancies (review). Cochrane Database of Systematic Reviews, (6), 1-163. https://doi.org/10.1002/14651858.CD007529.pub4.Copyright  Missing issue number 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. Journal of colloid and interface science, 560, 743-754. https://doi.org/10.1016/j.jcis.2019.10.088  Missing page or article number 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. Dianzi Keji Daxue Xuebao/Journal of the University of Electronic Science and Technology of China, 49(3). https://doi.org/10.12178/1001-0548.9_2020029



TAINITA		
Several works by the same author in the same year	Information prominent' (the author's name is within parentheses):	Chee, S. S., Jawaid, M., Sultan, M. T. H., Alothman, O. Y., & Abdullah, L. C. (2019a). Accelerated weathering and soil burial effects on colour,
	(Chee et al., 2019a, 2019b)	biodegradability and thermal properties of bamboo/kenaf/epoxy hybrid composites. <i>Polymer</i>
	Or	Testing, 79, Article 106054. 10.1016/j.polymertesting.2019.106054
	'Author prominent' (the author's name	
	is outside the parentheses):	Chee, S. S., Jawaid, M., Sultan, M. T. H., Alothman, O. Y., & Abdullah, L. C. (2019b). Evaluation of the
	Chee et al. (2019a, 2019b)	hybridization effect on the thermal and thermo- oxidative stability of bamboo/kenaf/epoxy hybrid composites. <i>Journal of Thermal Analysis and</i> <i>Calorimetry, 137</i> (1), 55-63. 10.1007/s10973-018- 7918-z

**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? New Straits Times. https://www.nst.com.my/opinion/letters/2019/09/523 930/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 Headline Case enclosed in double quotation marks.	Zoonotic viruses like swine flu are ticking time boms, say experts. (2020, July 4). New Straits Times, 3.

# Dissertation/Thesis

Newspapers	Insertion in Text	In Reference List
Published Dissertation or Thesis References	(Rivera, 2016) Or Rivera (2016)	Rivera, C. (2016). Disaster risk management and climate change adaptation in urban contexts: Integration and challenges [Doctoral dissertation, Lund University]. Lund University Publications. https://lup.lub.lu.se/search/ws/files/5471705/857092 3.pdf
Unpublished Dissertation or Thesis References	(Brooks, 2014) Or Brooks (2014)	Brooks, J. D. (2015). Bamboo as a strengthening agent in concrete beams for medium height structures [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, 116</i> (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.), Lecture notes in computer science: Vol. 11353. Learning and intelligent optimization (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). Vehicle lane change decision model based on random forest. [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	First in-text reference: Spell out the full name with the abbreviation of the body.	National Cancer Institute. (2019). Taking time: Support for people with cancer (NIH Publication No. 18-2059). U.S. Department of Health and
	National Cancer Institute (2019) Or	Human Services, National Institutes of Health. https://www.cancer.gov/publications/patient- education/takingtime.pdf
	(National Cancer Institute, 2019)	

# 9. General Guidelines

<u>Abbreviations</u>: 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 that they appear in the text, with each abbreviated form in parenthesis. Include the common name or scientific name, or both, of animal and plant materials.

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

<u>Co-Authors</u>: 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 what order they will be listed depending upon their order of importance to the study. Other contributions should be cited in the manuscript's *Acknowledgements*.

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

<u>Page Numbering</u>: Every page of the manuscript, 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 one type of spelling only.



#### SUBMISSION OF MANUSCRIPTS

#### 1. MANUSCRIPT:

Ensure your manuscript has followed the *Pertanika* style particularly the first three pages as explained earlier. The article should be written in a good academic style and provide an accurate and succinct description of the contents ensuring that grammar and spelling errors have been corrected before submission. It should also not exceed the suggested length.

## 2. DECLARATION FORM:

The corresponding author has to sign a declaration form. In signing the form, authors declare that the work submitted for publication is original, previously unpublished, and not under consideration for any publication elsewhere.

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