

Guidelines for Preparing Manuscripts

I Introduction

This information is based on the current rules and regulations on paper submission and is summarized for authors who want to prepare their manuscripts for the Journal of the Engineering in Agriculture, Environment and Food, “EAEF”.

The Journal “EAEF” is issued four times a year on a web site.

The Editorial Board of AABEA has the final decision authority on the matters related to the editing of the Journal.

All authors have a responsibility for contents of the paper.

II Copyright

The copyright of all papers, articles and other documents which are published in the Journal belongs to AABEA. A copyright transfer form is required from all authors after the acceptance of the manuscript.

III Categories of Papers

1. Article categories

Original and unpublished papers on all subjects related to agricultural machinery and engineering technology are published in the Journal under the following categories: Research, Methods or Review article.

A research article contains original information of scientific value.

A methods article is the one that is important in terms of practical technology rather than its scientific value or originality, and is based on the data obtained by the authors.

A review article is intended to be an in-depth study of the state-of-the-art research on a particular subject.

2. Review categories

While contribution, the author should select a following review category.

(1) Power and Machinery

Off-Road agricultural power and machinery, tillage, terra-mechanics, agricultural mechanization, livestock machinery, horticultural machinery, fishery machinery, and forest machinery.

(2) Agri-Processing and Food Engineering

Post-harvesting, processing and quality evaluation of agricultural products and foods, food engineering, food safety and packaging.

(3) Information and Electronics Engineering

Information technology, bio-informatics, image processing, computer simulation, instrumentation, systems automation, sensors and controls in the field of bio-systems engineering.

(4) Environment, Energy, and Facility

Agri-environmental system engineering, structure and facilities for living systems (including greenhouse, plant factory, livestock and poultry house), environmental control, biomass/renewable energy, agri-waste treatment and management.

(5) Emerging Technologies

Artificial intelligence, internet of things (IoT), cloud and big data analysis, precision agriculture, smart farming, deep learning, bio-robotics, and micro- and nano-agriculture in the field of bio-systems engineering.

IV Refereeing

All submitted papers are peer reviewed. Usually, more than two referees who have appropriate knowledges are appointed for a research and methods article. One referee is appointed for a review article.

Based on the evaluation by the reviewers, the Board determines whether publication in the Journal is merited. The Board reserves the right to request the authors to add, correct, revise or remove some part or parts of the submitted manuscript.

The authors who received such modification request must send either the explanation against the refereed result or the revised manuscript to the Board of Editors as quickly as possible or within two months of its receipt by the authors.

If a paper is accepted for publication, the day when the manuscripts arrived at the Board of Editors (the day of receipt) is registered as the day of manuscript acceptance. The Board of Editors will also send the letter of acceptance for publication to the corresponding author. However, the day of first acceptance may be invalidated if the revised manuscript is not submitted from the author within two months from the day of its return from the Board of Editors.

V Publishing Fees

The charges are 50,000 JPY.

A research and methods article should not exceed 6 typeset printed pages, and the total number of figures and tables must not be more than 15 units; similarly, 8 pages for review papers.

One printed page in the Journal is equivalent to approximately 5,400 characters in the typeset

printed manuscripts. One unit of figures and tables ($64\text{ cm}^2 = 8\text{ cm} \times 8\text{ cm}$) is equivalent to 0.2 page of the typeset print.

Other charges are 10,000 JPY per extra typeset page.

VI Preparation of Manuscripts

1. Format of papers

Manuscripts must be written concisely using 12-point font on JIS A4 size ($21\text{ cm} \times 30\text{ cm}$), horizontally with a margin of about 3 cm on each side, 25 lines on one page.

The pages of manuscripts should be numbered, and lines on each page should be straight numbered in the left margin.

The figures, pictures and tables must be used another file from the text and one unit for one page.

They must conform to the general style of papers in recent issues of the Journal.

2. Style of text

(1) Category of Paper

The first page of the manuscript begins with a line indicating the category of the paper: Research article, Review article or Methods article.

(2) Title

The main title of the paper should be definitive, concise, original, and may be followed by a subtitle after a line break with “—”.

Capitalize the first letter of each word in the title except articles such as “a” and “the”, prepositions (including between), and conjunctions such as “and” and “with”.

(3) Name of authors and organizations

The first and the last names of the author should be fully spelled out, with the last name in capital letters. For multiple authorships, separation mark should be “,” even if the paper is written by two authors.

On a below line of authors name, organizations and its nationality of all authors should be provided, and corresponding 1, 2 are matched with right side of each family name. The corresponding author should be signified by asterisk (* mark), with the e-mail address.

If an organization was changed before a publication, you may add it such as “3 Present: Organization Name” and “authors family name^{1,3}”.

(4) Abstract

Abstracts not exceeding 120 words should include the objective, scope, and results of the paper.

(5) Keywords

The authors are asked to provide 5 to 10 keywords. Except proper nouns, all words should begin with a small letter.

(6) Body

a. Section Numbers

Section numbers and marks are attached to the captions in the text with a rule in the following order.

I II III (Sections of major captions)

1. 2. 3. (Sections of minor captions)

(1) (2) (3) (Sections of minor captions)

a. b. c. (Sections of minor captions)

(a) (b) (c) (Sections of minor captions)

(i) (ii) (iii) (Sections of minor captions)

Major captions shall be placed on a middle of rows, and left for minor captions. Capitalize the first letter of each word of major captions title, and just first letter for minor captions.

Start a new line without a period with double space.

b. Mathematical expressions

Mathematical equations should be included in the main text. The Word equation editor may be used. The equation numbers with parentheses should be right flush. “Eq. (1)” is used in a text body.

[Example]

The force exerted on the share is obtained as below:

$$w_2 = \frac{C - D}{3 \sin \beta} \left(\sum_{k=1}^n S_k + \log m \right) \quad (1)$$

where C is the mass of the sample (kg), D is ..., β is the angle of action ($^{\circ}$).

Do not put a long sentence or a unit into the equation as:

$$\text{Weight of all samples (kg)} = \frac{\text{Controlled samples (kg)} - D}{3 \sin \beta} \quad (2)$$

The variables are in italic fonts or in Greek letters, and the units or mathematical operators are in

roman fonts.

Some statistical values are shown as below.

p : probability value mostly used as ($p < 0.05$)

N : numbers for a population

n : numbers for a sample

r : correlation coefficient

M : mean value

SD : standard deviation

SE : standard error

Operators should be separated by spaces as $a + b = c$, or m / s. (No need for the equation editor.)

c. Units

Units must be expressed in the International System of Units (SI) and Non-SI units that are accepted for use with the SI.

Between numbers and units, a space is required, include °, °C or %. Same as a unit and a unit as N = kg m / s² but not for a prefix as kg.

As l misleads 1, L is recommended for a liter.

Omit if it was continued as 1, 2, 3, 4 and 5 %, not 1 %, 2 %, 3 %, 4 % and 5 %.

If there is a unit, it should be used, such as min, h and d for minute, hour and day.

d. Figures, photographs and tables

Figures and photographs should measure either 8 or 16 cm width in finished prints. They should be sent full size, 1.5 or 2 times the size of the finished prints, with each on a separate sheet of camera-ready quality. A recommended font size in figures is 8 point at the finished prints, lines are at least 0.5 point of thickness.

Tables are edited by the publisher, so use the Word table with a simple text and horizontal lines.

The preferred location for figures and tables should be indicated with a red color font in the right margin of the main text.

Notation of numbers for figures and pictures are Fig. 1, and for tables are Table 1. “Fig.” and “Table” are used in a text body. Titles and captions are mentioned on each figures or tables. Titles end without period, if a long explanation is needed, use a space under figures and tables.

The Board may request authors to correct unclear figures.

You may use colors not only to photographs but also figures and tables, please try a better understanding way for readers.

e. Results, discussions and acknowledgments

The results should include a solution to the problem stated in the introduction. Use tables, charts, graphs, diagrams, and photographs to visually supplement the presentation of your results.

The main data values may be restated in the text to emphasize evidence on which the conclusions are based. Do not omit important negative results.

Any conclusions must be stated that can be drawn from your data and present them carefully to avoid confusion by the readers.

You may include the conclusion in the discussion section, or you may have a separate section for the conclusion.

The summary, however, must be kept separate and data or statements must have been stated previously in the text.

Acknowledgments will appear at the end of the printed article and should run no more than approximately 5 sentences in length.

f. Hyphen and dash

Hyphen “-” is used for a compound word as e-mail.

En dash “–” is mainly used for a range as 1–2 kg.

Em dash “—” is used for a subtitle, also instead of “, () : ;” to connect sentences, but not recommended

Minus sign “-” should be discriminated clearly. No space between a number for negative value as -2.

g. Other notes

Names of an instrument, a company and its nationality are separated by comma in parentheses as (iPhone12, Apple Inc., USA). Trade mark “®” or “™” is not necessary while there is no misinterpretation.

Use italic for a scientific name or non-English words as *sushi*.

For 1st, 2nd, 3rd or 4th, no need to subscript as 1st, 2nd, 3rd or 4th.

You may use numbers instead of letters as 1 kg for one kilo gram except it comes a top of sentence. It's better not to start a sentence with numbers.

& is not used for “and”, except it were a proper noun.

Quotation marks are “ ” or ‘ ’, not " " or ' '.

Please do not use the endnote, hyperlinks or other links in the text body.

(7) Acknowledgments

You may put acknowledgments after the text body, include funds information. You also may gratitude to the English language editing company, but not required.

(8) Conflict of interest

You may put conflict of interest as “The authors declare no conflicts of interest.”, but not required so far.

(9) References

a. In the text

The references should aid the reader, librarian, or indexer to retrieve the items cited. They should be cited easily and without any misinterpretation.

In the text, parentheses are used for citation, author's surname and publication year for most document, or number for standard document as (A, 2021) or (ISO 12345, 2021). When authors are two “and” is used as (A and B, 2021), three or more “et al.” in roman is used as (A et al., 2021).

If there are multiple citations at same place, arrange them in chronological order and in alphabetical order of the author's surname if they are of the same year, separated by a semicolon (;) as (A, 2020; B, 2020; C, 2021). When quoting with the same author's surname in the same year, distinguish it from 2021a, 2021b. When author's surname was used in the text body, just publication year is added as A (2021) have reported this.

b. List

When summarizing as a list at the end of the text, use “References” at center of the line. From the beginning of the line, list in alphabet order of the first author's surname.

No serial number is given.

Indent 5 characters from the left margin for second and below lines.

c. Journal

Author name (if there are multiple authors, entry all and separate them with a comma; name order is surname, omitted given name for first author and omitted given name, surname for others). Year of publication (or in press). Title (only the subject and the subtitles are omitted and capitalize only the beginning except a proper noun). Journal name (not omitted). Volume (number): page.

[Example]

Kuroyanagi, T. 2013. Evaluation indicator for greenhouse air circulator performances. *Engineering in Agriculture, Environment and Food*. 6 (4): 197–202.

Young-Jun Parc, Y. J., G. H. Lee, J. S. Song, Y. Y. Nam and J. S. Nam. 2013. Optimal design of wind turbine gearbox using helix modification. *Engineering in Agriculture, Environment and Food*. 6 (4): 147–151.

d. Book or report

Author name. Year of publication. Title (capitalize the first letter of each word, put edition if there is).
Page. Published country: Publisher.

[Example]

Allen, J. S. 1988. The Complete Dictionary of Abbreviations. 151–162. USA: MacMillan & Sons, Inc.

Romax Technology Ltd. 2003. Romax Designer Software Handbook. Nottingham, UK: Romax Technology Ltd.

FAO (Food and Agriculture Organization of the United Nations). 2011a. The State of Food and Agriculture 2011. Italy: FAO. <http://www.fao.org/3/i2050e/i2050e.pdf>, (Accessed 15 Jan. 2020).

e. Part of a book or government publication

Author name. Year of publication. Title (of chapter, topic or etc). Title of book, Editor name. Page.
Published country: Publisher (or organization).

[Example]

Overstreet, H. A. 1925. The psychology of effective writing. Effective Report Writing, ed. W. H. Pierre. 87–109. USA: Graphic Publishing Co.

Reyes, F. K. 2000. Sweet tamarind propagation and management. BAR Today. 2 (3): 2. Philippines: Bureau of Agricultural Research, Department of Agriculture.

f. Data base

Author name (or organization). Year. Title (If there is). Data base name. URL, (accessed date).

[Example]

Food and Agriculture Organization of the United Nations (FAO). 2017. Crops: Garlic production. Food and Agriculture Organization Corporate Statistical Database (FAOSTAT). <http://www.fao.org/faostat/en/#data/QC/>, (Accessed 11 Jan. 2021).

g. Newspaper

Author name (or publisher). Year of publication. Title. Name of a newspaper. Date. Published country: Publisher.

[Example]

Valencia, C. 2013a. Crop consolidator seeks more tamarind suppliers. The Philippine Star. 28 August. Philippines: Philippine Star Printing Co., Inc.

h. Proceedings

Author name. Year of conference. Title. “Proceedings of the” conference name. Page. City, Country, Date.

[Example]

Bawar, R. A., A. R. Elepaño, E. K. Peralta and E. I. Dizon. 2013. Effects of different pre-heat treatments and drying temperatures on the physico-chemical and antioxidant characteristics of mango (*Mangifera indica* L.) kernel flour. Proceedings of the 2nd ERDT Congress. 63. Manila, Philippines, 14 June.

i. Standard document

Standard number. Year. Title. URL, (accessed date).

[Example]

ISO 14502-1. 2005. Determination of substances characteristic of green and black tea. Part 1: Content of total polyphenols in tea. Colorimetric method using Folin–Ciocalteu reagent. <https://www.iso.org/standard/31356.html>, (Accessed 3 Mar. 2019).

j. Computer program

If it was on a market, citation is not necessary, write it as a device.

Author or organization name. Version released year. Program name. Version. Country: Organization (If not same with author). URL, (accessed date).

[Example]

R Core Team. 2018. R: A language and environment for statistical computing. Version 3.5.2. Austria: R Foundation for Statistical Computing. <http://www.R-project.org>, (Accessed 11 Jan. 2021).

Python Software Foundation (PSF). 2016. Python. Version 3.6. <https://www.python.org>, (Accessed 11 Jan. 2021).

Chollet, F., et al. 2018. Keras. Version 2.24. <https://keras.io>, (Accessed 11 Jan. 2021).

k. Patent

Patent applicant. Year. Title. Patent number from county name. Published date.

[Example]

Smith, D. W. 2004. Compact folding aircraft passenger ramp. U.S. Patent No. 6676358. 13 January 2004.

l. Dissertation or thesis

They should be accessed from all over the world.

Author name. Year. Title. Type of degree. University name. URL, (accessed date).

[Example]

Andrew K. 2005. Two techniques produce snow cloud. Ph.D. dissertation. XYZ University.
<http://www.xyz.edu/Thesepdfs/abc.pdf>, (accessed 1 Mar. 2021).

m. Web site

Author name or organization of home page. Year. Title of page. URL, (accessed date).

[Example]

Japan CROPS. 2016. Garlic. <https://japancrops.com/en/crops/garlic>, (Accessed 11 Jan. 2021).

n. Non English language

Make sure to put a language name at the end (In language).

If English title existed use it, if not translate it by author's responsibility and put (original language title) after it.

[Example]

Vogel, S. and W. Weiß, F. 2004. Factors of farm enlargement plans in the Austrian Mountain Regions
(Bestimmungsgründe von Flächenausweitungsplänen in der Berglandwirtschaft Österreichs) .
Die Bodenkultur, 55 (2): 73–81. (In German).

o. Internet access

Many articles are enabled internet access these days. Add URL at the end if there is a digital object identifier (DOI) by URL style “<https://doi.org/>”.

URL, (accessed date).

[Example]

<https://doi.org/10.1021/jo0349227>, (Accessed 9 Mar. 2021).

VII Native Check of English

The editorial board strongly recommends to get the native speaker's English check in terms of refereeing. This check is the author's responsibility. It is not the referee's work to check the grammatical error of submitted text. A proof of native speaker's English check is required to be submitted with the final paper submission after all revisions are completed.

VIII Submission

ScholarOne Manuscripts is used for submission of manuscripts. User ID and Password are required, please follow the instruction on the page.

<https://mc.manuscriptcentral.com/eaef>

If you have preferred or non-preferred reviews, you can put their information on this system.

(Version: 15 June 2021)