

Research in Agricultural Engineering Instructions to Authors 2018

The Research in Agricultural Engineering journal publishes results of basic and applied research from all fields of agricultural engineering. Original scientific papers, short communications, and board-invited review articles from the disciplines concerned are published in the journal. Papers are published in English (British spelling). The author is fully responsible for the originality of the paper and formal correctness. The paper and its content must not be published previously elsewhere.

The Editorial Board decides on the publication of papers, taking into account scientific importance, peer reviews and manuscript originality, quality and length.

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If such reviews are not at the Editorial Board's disposal within four months after submission of the manuscript, the peer review process may be ceased. In such a case the author can, after updating the manuscript, resubmit it for a new assessment, either to the RAE or elsewhere. After the expert assessment of the manuscript, the recommendations, if any, should be processed (each point of the reviewer's or editor's recommendations must be responded to, e.g. in a cover letter, and uploaded into the space provided for a response to reviewers for a revised manuscript submission, and any rejection of reviewer's comments must be clearly explained) and the complete manuscript (including Tables and Figures) resubmitted within two weeks. The authors can, however, request an extension of the resubmission deadline, if necessary.

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Standard page: size of paper (A4 format), MS Word, type size 12-point Times New Roman, double-spacing, 2.5 cm margins on each edge of the page.

Scientific papers and review articles shall not be longer than 15 standard pages (maximum 20,000 characters with spaces; number of characters with spaces must be included in the cover letter), **including tables and figures**. Short communications should not be longer than 6 standard pages. Manuscripts must be submitted in Word text editor to electronic editorial system (<http://www.agriculturejournals.cz/web/RAE.htm>).

Title page must contain title of paper (short, not exceeding 85 characters; no subtitles shall be used), complete name(s) of the author(s), the name(s) and address(es) of the institution(s) where the work was done.

Abstract is a short summary of the whole paper (as a single paragraph). It should describe all essential facts of a scientific paper (. The abstract should not go to more than 170 words. The abstract is an important part of the paper because it is published and cited in world databases. No references are to be cited.

Keywords (recommendation 5 words) should be different from words mentioned in the title.

The main text of scientific paper must be developed under the following headings:

Introduction,

Material and Methods,

Results and Discussion,

Conclusion.

Introduction should outline the main reasons why the research was conducted; describe a brief review of literature consisting of refereed periodicals, journals and books, and the goal of the authors. It is recommended to include references to papers from peer reviewed periodicals only. Citations from non-available sources (reports, proceedings etc.) should be omitted.

Material and Methods. All preliminary material, experiments conducted, their extent, conditions and course should be described in detail in this section. All original procedures that were used for the processing of experimental material and all analytical methods used for evaluation should also be detailed. Data verifying the quality of acquired data should be indicated for the used methods. The whole methodology is only to be described if it is an original one; in other cases it is sufficient to cite the author of the method and to mention any particular differences. Methods of statistical processing including the software used should also be listed in this section.

Results and Discussion. The results obtained from the experiments including their statistical evaluation and any commentary should be presented graphically or in tables in this section. Each phenomenon should be commented and explained, using scientific arguments. The author should confront partial results with data published by other authors, whose names and year of publication are to be cited by including them in the text directly, e.g. ... as published by LOWE (1981), NOVÁK and ŠÍDLO (2002) found ..., or citing authors and years of publication in parenthesis (LOWE 1981; NOVÁK, ŠÍDLO 2002; JAKL et al. 2003). Diacritical signs of national Latin-based alphabets should be preserved. Names in non-Latin alphabets should be transcribed according to international standards. The citations should be limited to items really needed for placing the paper into a proper context.

Conclusion. In the conclusion it is necessary to mention briefly the most important results presented in article, the key points of next research and experimental work and recommendation for utilization in practice.

The Acknowledgement, if needed, follows.

Tables should be placed at the end of the manuscript. Word editor should be used to create tables; each item should be placed into a separate cell. Tables are to be numbered with Arabic numerals in the order in which they are referred to in the text, and have a brief, but self-explanatory title. Footnotes to tables should be indicated by superscript letters (or asterisks for significance values). Abbreviations or symbols used in the tables must be explained either in the table title or as a footnote. For explanation of abbreviations or symbols used in tables it is not possible to refer to the main text.

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Abbreviations and units. If any abbreviations are used in a paper, they shall be explained appropriately when they are used in the text for the first time. It is not advisable to use any abbreviations in the paper title or in the abstract. The SI international system of measurement units should be used, e.g. kg, g, mg, km, m, cm, mm, ppm, l (litre), ml, s (second), min (minute), h (hour), mol etc. Use $\text{g}\cdot\text{ha}^{-1}$ instead of g/cm . The definitive SI website is that of the Bureau International des Poids et Mésures at <http://www.bipm.org/>. Units should be indicated on each occurrence of numerical information and at the axes of all graphs. To express a unit of measurement, space between the number and the unit (5 g; 20 ha) except of percentages and degrees (37%; 27°C). In a series of measurements, indicate the unit at the end (3, 6, and 8 mm). Abbreviate units only after a numeric value (24 h; several hours later; 2 days). In chemical formulae the valence of ions must be given as, e.g. Ca^{2+} and CO_3^{2-} rather than as Ca^{++} and CO_3^{--} . Isotope numbers should precede the symbols (e.g. ^{18}O). The decimal marker is a point (e.g. 0.1 m), while the thousand's separator is a comma (e.g. 2,000). The decimal point in all numbers between 1 and -1, except 0, must be preceded by 0. In general, use words for numbers one through nine, and use digits for 10 and over. For a series of numbers, any of which are over 10, use all digits.

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Prepare equations in electronic form using equation-editing software (such as the Equation Editor in Microsoft Word). Each equation must be in a form that can be edited. The type style in the equation must match the type style in the corresponding text. Do not italicize Greek letters. For mathematical expressions that must be embedded in the text, use an equation editor only when you cannot create the expression using standard word-processing functions. For example, expressions such as $\pm 5^\circ\text{C}$, ρ^2 , and 3.22×10^6 can be created in Word using superscripting, subscripting, and the Symbol font. All the variables must be explained under each equation.

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Journal article:

Blahovec J., Patočka K., Bareš J. (1997): Low-level bruising of stored apples due to quasi-static loading up to constant compression strain. *Journal of Texture Studies*, 28: 87–89.

Carter C., Finley W., Fry J., Jackson D., Willis L. (2007): Palm oil market and future supply. *European Journal of Lipid Science and Technology*, 109: 307–314.

Gugan D. (2000): Inelastic collision and the Hertz theory of impact. *American Journal of Physics Teachers*, 68: 8.

Monographs:

Berthelot J.M. (1999): *Composite Materials – Mechanical Behaviour and Structural Analysis*. Mechanical Engineering Series. New York, Springer.

Griffin M.J. (1996): *Hand Book of Human Vibration*. London, Academic Press.

Papers published in collections and proceedings:

Valášek P., Müller M. (2010): Possibilities of use of mechanical surface treatment waste in form of polymeric particle composite fillers. In: *Proceedings from 9th International Scientific Conference Engineering for Rural Development*, Jelgava, May 15–17, 2010: 267–270.

Internet publications/On-line documents:

Stupavský V., Holý T. (2010): Wood chips – green, brown, white. Available at <http://biom.cz/czodborne-clanky/drevni-stepka-zelena-hneda-bila>

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