

ACTA AGROPHYSICA

Semiannual

Instructions for Authors

The ACTA AGROPHYSICA six-monthly periodical publishes **original research works**. All papers submitted for publication are reviewed anonymously. When selecting reviewers, the Editors follow the rule that they must represent other organizations than the Authors'.

ACTA AGROPHYSICA publishes papers on the application of physics in the study of the properties of materials and processes in the production and processing of agricultural products, especially in the soil-plant-atmosphere and soil-plant-machine-crop systems, with particular emphasis on consideration of the status of the natural environment and the quality of materials and products for human consumption.

Papers must be submitted in 2 copies. The final reviewed version, incorporating comments and recommendations by the reviewers and the Editors, should be submitted for publishing **in 1 printed copy and on a floppy disc (or sent by e-mail).**

The text of submitted papers should not exceed 12 pages including tables and figures. It should be presented using font type Times New Roman CE No. 11, interline 13, with justification on both sides, paragraph indention of 0.6 cm, upper and lower margins of 5.65 cm; left and right margins of 4.1 cm, for A4 paper size. Authors' addresses, abstract, keywords, titles and contents of tables, figure captions and literature items listed in the REFERENCES section, should be in font size 9 with line spacing 11.

Paper layout should be as follows:

- TITLE OF THE WORK – font size 11, capitals
- *Names (in full) and surnames of authors* – font size 11, italics
- Authors' place of work (full postal address and e-mail) – font size 9
- Abstract (up to 200 words) – font size 9 – should provide information concerning the material, method, results and conclusions.
- Key words (up to 5 words) – font size 9
- LIST OF SYMBOLS USED (if required): symbol – name, unit – font size 10.
- Section titles (INTRODUCTION, MATERIAL AND METHOD, RESULTS, DISCUSSION (or RESULTS AND DISCUSSION), CONCLUSIONS, REFERENCES) – font size 10, capitals
- **Sub-sections** (if used) – font size 11, **bold**
- Tables
- Figures and photos
- Figure captions

Tables: All descriptions of tables (titles and headings) should be in type size 9. Full wording should be used in table titles, i.e. **Table 1.**, and the word "table" should be in bold type; no dot should be used at the end of table title; justification on both sides, e.g.:

Table 1. Composition of batters of finely comminuted sausages of the wiener type

In the text of the paper full wording should be used, e.g. Table 1, and when quoting, an abbreviated form should be put in brackets – (Tab. 1). Text in table headings should begin with a capital letter. If explanations are added below the table, they should end with a dot. Tables should be composed without side border lines and internal division lines. Only thin horizontal lines defining the table beginning and end (from above and below) are to be used, as well as lines underlining the headings.

Figures: In figure captions the abbreviated form should be used - **Fig. 1.**, and no dot should be placed at the end of the caption. In the text of the paper the full word „Figure” should be used, and when quoting, the abbreviated form in brackets (Fig. 1). Figure captions are to be written with justification on both sides, e.g.

Fig. 1. Relation between Fe(II) ions (mg dm^{-3}) activated in the loess soil and the experimental time at two temperatures

In axis description in figures, the following principle is used – the description is begun with a capital letter, and units used are given in brackets, e.g. Moisture (%)

Formulae and equations: use fonts size 11, with central justification. Formulae and equations should be numbered, the numbers being put in brackets at the right margin. Line spacing above and below formulae and equations should be 0.5 cm.

Italics should be used, both in the text and in formulae, to highlight the following:

- symbols of physical values;
- single- and multi-letter abbreviations in lower (t_n , $W_{koic.}$) and upper (b^5) indexes;
- Latin names.

Straight characters are used for:

- index exponents of powers and numerical upper and lower fractions (2^2 , b^3 , t_2 , k_2);
- abbreviations of trigonometric and hyperelliptic functions (cos, tg), symbols of vector operators (grad, div), root and integer signs and constant functional symbols (d, f, π , Σ , const, exp), symbols of units of measurement (Ω , μm), symbols of measurement units in lower indexes (h_m), symbols of chemical elements (Cu, k_{Fe}), symbols of physical constants (Re – Reynold’s number), designation of machine and apparatus types, letters in figure numbers (Fig. 15a), all brackets.

Quoted literature references in the REFERENCES section should be arranged alphabetically, according to the authors’ names. In the case of publications in a language other than English, the titles quoted should be in English (except for publications in French and German) with an indication of the original language of the publication, e.g. (in Polish), (in Russian), etc. Literature should be quoted in the text using brackets, by giving the author’s name and the year of publication of the publications referenced – (Kowalski 1999) or (Kowalski and Dorn 1998). When quoting names of authors of publications with more than two authors, the abbreviated form should be used („Kowalski *et al.*”). **At one time, not more than 5 items of literature should be referenced.**

Example:

REFERENCES

- Horabik J., 1994: Load distribution in a model bin as influenced by mechanical properties of wheat grain (in Polish). *Acta Agrophysica*, 1.
- Jury W.A., Roth K., 1990: *Transfer Function and Solute Movement through Soil: Theory and Applications*. Birkhäuser Verlag, Basel, Switzerland.
- Ostrowski E.W., 1971: Evaluation of sugar beet mechanical properties (in Russian). *Sacharnaja Promyslennost*, 1, 17-20.
- Rampazzo N., Blum W.E.H., Strauss P., Čurlík J., 1993: Structure assessment of two agricultural soil of Lower Austria. *Int. Agrophysics*, 7, 47-59.
- Tardieu F., 1991: Spatial arrangement of maize roots in the field. In: *Plant Roots and Their Environment* (Eds B.L. Mc Michael, H. Persson). Elsevier, Amsterdam, 506-514.

SI system is compulsory throughout. Units should be given as powers in round brackets – (m s⁻¹).

Authors of submitted papers participate in the costs of publication. Information on the costs, as well as additional information for authors, can be found on our website:

www.ipan.lublin.pl/instytut/wydawnictwo/Actaagr

Cena: 25 zł