

## INSTRUCTIONS FOR AUTHORS

**International Agrophysics** is an open access journal focused on the soil-plant-atmosphere system. The journal publishes original research and review papers on any subject regarding soil, plant and atmosphere and the interface in between. Manuscripts on postharvest processing and quality of crops are also welcomed.

Particularly the journal is focused on the following areas:

- implications of agricultural land use, soil management and climate change on production of biomass and renewable energy, soil structure, cycling of carbon, water, heat and nutrients, biota, greenhouse gases and environment,
- soil-plant-atmosphere continuum and ways of its regulation to increase efficiency of water, energy and chemicals in agriculture,
- postharvest management and processing of agricultural and horticultural products in relation to food quality and safety,
- mathematical modeling of physical processes affecting environment quality, plant production and postharvest processing,
- advances in sensors and communication devices to measure and collect information about physical conditions in agricultural and natural environments,
- biodiversity, functions and interactions of microorganisms in the environment, in relation to sustainable agriculture and horticulture, as well as under changing climate, soil microbiology and mycology, the structure, activities and functionality of microbial communities, microbiomes and holobionts, new bio(techno)logical solutions for control, diagnostic and monitoring of plant diseases and soil health.

Papers accepted in the International Agrophysics should reveal substantial novelty and include thoughtful physical, biological and chemical interpretation and accurate description of the methods used.

All manuscripts are initially checked on topic suitability and linguistic quality.

The journal publishes (after reviews):

- ☐ the original research papers,
- ☐ the review articles (survey publications),
- ☐ the short communications (notes).

**Submission of an article** is understood to imply that the article is original.

A conflict of interest (understood as contractual relations, financial associations or other relationships that could influence the content of the article) should be declared by authors in a form of a written statement submitted with the article. Such a statement should, accordingly, either list all potential interests or express clearly that there are none.

**A letter to the Editor** with a declaration that the article is not being considered for publication elsewhere is needed. The following information should be included. What is the novelty of this work? Is the paper appealing to a popular or scientific audience? Why do the authors think the paper is important and why should the journal publish it? Has the article been checked by a native tongue speaker with expertise in the field? Are you available as a reviewer for at least two other articles for Int. Agrophysics?

**Highlights** are mandatory for this journal. They consist of a short collection of bullet points that convey the core findings of the article.

**Written permissions** for reproduction of figures and tables from unpublished or copyrighted materials are needed.

**Authors** are requested to download [License to Publish](#), fill in and sign the form and then submit by Editorial System after accepted manuscript.

**The review process in the journal is the Blind Peer Review.**

**Please submit the names of three potential Reviewers (with postal and e-mail address).** The Reviewers should be come from a different country than the Authors'.

Please submit your article *via* the online system available at:

<https://www.editorialsystem.com/intagro>

**Manuscript** should be clearly and grammatically written in a English (British). This will help avoid severe misunderstandings which might lead to rejection of the paper.

Papers should be prepared in the format of popular Windows text editors (**11 points, 1.5 inter-line, 2.5 cm margins**).

**Every page** of the paper, including the title page, text, references, tables and figures **should be numbered**.

**SI units should be used.**

**Manuscript** should be organized in the following order (**with subtitles**):

Title	Abstract (up to 200 words)	4. Discussion
Author(s) name(s)	Keywords (up to 5 words)	5. Conclusions
Affiliations	1. Introduction	6. References
Full postal addresses	2. Materials and Methods	Tables
Corresponding author e-mail	3. Results	Figures and their captions

**Title** should be informative and concise.

**Abstract** should not contain any undefined abbreviations or unspecified references. The abstract should be self-contained presenting all items of the paper's subject about which new results have been gained and emphasising the conclusions most important from scientific point of view. The Abstract should be divided into the following sections:

Background and Aims (stating the main purposes and research question)

Methods

Results (stating the main findings) and/or conclusions.

**Nomenclature is not needed** – all explanations should be placed in the text.

**The author-year system** for the cited References (**max 5 positions in the one place**) should be used in the text.

**Tables and figures (without frames) should be placed out of the text (after References).**

**Figures** should be (also, additionally) pre-prepared in common image file format like **jpg, bmp, tiff, cdr (300 dpi)**.

**Tables** should not exceed the printed area of the page 22 cm length and 14 cm width. They should be numbered according to their sequence in the text. The text should include references to all tables. Vertical lines should not be used to separate columns. Capitalize the words 'table' when used with a number (Table 1).

**Figures** should be numbered according to their sequence in the text. Figures should be identified at the bottom of line drawings by their number and the name of the author. Special care must be given to the lettering of figures. Make sure that the size of lettering is big enough to allow reduction (even 10 times).

The description of figures should begin with a **capital** letter and be written in the following order *eg* Time (s), Moisture (%), vol.) (%),  $\text{m}^3 \text{m}^{-3}$ ) or (%), mass), (%),  $\text{g g}^{-1}$ ), Thermal conductivity ( $\text{W m}^{-1} \text{K}^{-1}$ ).

**The captions to all figures** should be typed on a separate sheet at the end of the manuscript.

**All explanations** should be given in the figure caption. Drawn text in the figures should be kept to a minimum. Capitalize and abbreviate 'figure' when it is used with a number (Fig. 1).

**References list** should be arranged alphabetically by the name of the first author and then others. Two or more articles by the same author(s) should be listed chronologically; two or more in the same year should be indicated by the letters: a, b, c, *etc.*

We recommend preparing the references with a bibliography software package [Zotero](#) to avoid typing mistakes and duplicated references.

**References list** should be in English, French or German. Other languages of titles of papers than mentioned earlier should be marked *eg* (in Spanish), for examples:

Horabik J., and Molenda M., 2002. Physical properties of granular food materials (in Polish). *Acta Agrophysica*, 74, 1-89.

Haruna S., Ward Z., Cartwright A., and Wunner A., 2023. Influence of no-till cover crops on the physical and hydraulic properties of a Paleudult. *Int. Agrophys.*, 37, 189-199, <https://doi.org/10.31545/intagr/162799>

Kurtener D., and Badenko V., 2002. Fuzzy algorithms to support spatial planning. In: *Planning Support Systems in Practice* (Eds S. Geertman, J. Stillwell). Springer Press, Berlin, Germany.

Torbert H.A., Searcy S.W., Kenimer A.L., and Roades J., 2000. Precision farming effects on corn productivity and water quality. *Proc. II Int. Conf. Geospatial information in agriculture and forestry*, January 10-12, Lake Buena Vista, FL, USA.

**Leave ample space around equations.** Subscripts and superscripts must be clear.

**Equations** should be numbered serially on the right-hand side in parentheses. Capitalize and abbreviate 'equation' when it is used with a number Eq. (1). Spell out when it begins a sentence. Symbols for physical quantities in formulae and in the text should be in italics. Algebraic symbols are printed in upright type.

**Acknowledgements:** Authors are responsible for ensuring that anyone named in the Acknowledgments agrees to be named.

Acknowledgements should be brief and concise.

**Copy editing of paper** is performed by the staff of the Editorial Office. A set of page proofs will be sent to the corresponding author for checking. The proofs should be returned at first convenience.

**International Agrophysics publishes articles in the Open Access system.**

**The cost of publishing an article in the International Agrophysics journal is 800 EUR (since February 1, 2022).**

**The cost for Polish Authors is 3500 PLN. The price include VAT.**

**The journal does not have article submission charges.**

The person who submits the manuscript is responsible for the payment. After the article has been accepted for publication, the Author will receive an email about the payment. The payment should be made before publishing of the article.