

REQUIREMENTS TO ARTICLE WRITING

The article should correspond to the theme of scientific journal and current state of the science, should not be published before in other scientific publications. The author of the article is responsible for authenticity of presented materials, the absence of plagiarism and conclusions accuracy, citation accuracy and references.

Article manuscripts are necessary to give to the editorial board in electronic form (on CD- or DVD-disc or to send on editorial board e-mail). To the print are accepted the articles written in English. For native authors, to the articles should be added the variant of article written in Ukrainian. Article volume is 10-15 pages (including tables, graphs, and figures): font 11, interval – 1,1.

The structure of the article should consist of such parts:

1. Introduction
2. Statement of the problem and relevance of the study (This section also indicates the aim and objectives).
3. Analysis of recent research and publications.
4. Presentation of the main material (This section also includes the results of the research and its discussion).
5. Conclusions and prospects for further research.
6. References.
7. Contacts of the authors.

Requirement to article design:

Authors give article manuscripts to the editorial board in electronic form together with printout on the standard paper of A4 format in English and Ukrainian (except foreign authors).

Article texts are printed in Microsoft Word 97, Word 2003, Word 2010 text editors, accordingly to the next requirements:

1. Edition format A4 (210x297 mm).
 - mirror margins;
 - document margins: external – 2,5 cm, internal – 1,8 cm, upper – 2,0 and below – 2,7 cm; to the upper running title – 2,0 cm, to below – 1,25 cm.
 - page number is upper, external.
2. The main text: Times New Roman 11-point font. First-line indent – 1 cm. Line spacing – 1,1.
3. Figures and graphs into the article are inserted across the page – depending from the size. Figure title Times New Roman, 10, italic. All figures and graphs are made as separate objects with sizes that correspond to the page parameters. Figures are titled and numbered (if they are more than one) under the figure, in the center of the text (contraction: Fig. number). Figures of formats *.tif, *.psd, *.jpg (resolution is

not less 300 dpi) are imported to the Word file via menu: Insert/Picture. Black-and-white illustrations – Grayscale, colored – CMYK Color. Files of figures are given separately. Black-and-white figures created in programs Excel, Visio Drawing, WordPad, CorelDRAW are imported to the file Word via menu: Insert/Object, to provide the possibility of transformation, colored are transformed into format *.tif, *.psd, *.jpg (300 dpi, CMYK Color) (files are added separately). Figures, created with the help of Word, are grouped and should be available for formatting.

The possibility to print the colored figured is necessary to agree with the editorial board of journal.

4. Tables are given in MS Word with sizes, modified to the composition page. Before the table, numbered title is indicated (for example Table number) by point size 11, on the right edge of the table, italic. The main text of the table (in graphs) is given by point size 10. Tables' titles are placed in the center of the page by point size 11.

5. Formulas are given in format Equation 3 – 5, align in the center of the text and number in brackets from the edge. Font by definition is MS Word: normal index is 11 pt, large index is 9 pt, small index is 8 pt, large symbol is 19 pt, small symbol is 11 pt.

Formulas elements should be marked accordingly to their functional application (sin x: sin – function, x – variable). Marking of mathematical, physical and other values in the text and in formulas should be written in italic, except sin, cos, tg, ctg etc; numbers (criteria) Re, Nu, Gr, Ar, Pr, Eu etc; rot, div, grad, const etc; markings by letters of Greek alphabet or numbers.

Indexes in these values should be written in straight letters of Ukrainian and Greek alphabets and numbers, and in italic – by letters of Latin alphabet. If the index consists of one contraction then the point after it is not put, if the index consists of several contractions then the point is put only in intermediate contractions, except the last. In quality dimensions, letters and numbers are written by straight font. Vector designation can be made in two ways: either letter in italic with the arrow above it, or by bold letter not in italic, for example, **w**.

6. Literature: Times New Roman, 10 point-font, APA style.

Procedure of design

The procedure of scientific article formation in the journal is next:

1. Author's (authors') name and surname, alignment to the left (point-font 12).
2. From the new line the name of institution where the author (authors) works is pointed (point-font 12).
3. From the new line the name of institution is pointed (point-font 11).
4. After two blank lines the symbol of author right «©» and surname and initials are pointed (font italic).
5. After two blank lines the name of article is pointed (Letters capitalized, font

Clarendon, alignment – in the middle) (point-font 14).

6. After one blank line the summary is pointed in a minimum of 1800 symbols (font italic).
7. From the new line the list of key words is pointed in 10-15 units.
8. After one blank line the main material of the article is given (point-font 11).
9. After one blank line the list of references is given with arrangement in APA style. The minimal number of references is 15 units, from which not less 2/3 are foreign sources. References on literature sources not older than 5 years are permitted. (point-font 10).
10. After two blank lines author contacts are pointed.
11. In the end of the article, from the new page (to the general number of the article does not take into account) are given the data about authors in Ukrainian and English, particularly:
 - author's name and surname;
 - scientific degree and academic status;
 - department and institution where author works;
 - author's e-mail;
 - author's contact telephone;
 - author's ORCID ID;
 - number of articles in state database;
 - number of articles in international databases.

To the editorial board it is necessary to submit:

1. Text of the article with compliance.
2. Information about author in Ukrainian and/or English: surname, name, scientific degree, academic status, position, place of work, institution, city, country. Telephone number and the address for collection of articles receiving.

After the members of editorial board and reviewers considered the given article and gave the positive response, the author is reported about the permission for its publication. The article can be returned for revision.