

# instruction for authors

Journal Problems of Cryobiology and Cryomedicine publishes original papers, reviews and short reports covering the issues of low temperature biology and medicine, as well as those of related fields of science.

The manuscript should be submitted in Ukrainian, Russian or English in electronic form via e-mail to [cryo@online.kharkov.ua](mailto:cryo@online.kharkov.ua) or using the web-site [www.cryo.org.ua/journal](http://www.cryo.org.ua/journal). Manuscripts should conform to the following requirements.

The text should be printed in A4 pages. MS Word is preferable, use Times New Roman 14 pt and 1.5 spacing. Manuscript should be not more than 12 pages for original research paper, 15 pages for review and 5 pages for short communications. (Please consult Editorial Office if you need more space).

Start your manuscript with informative and concise title, then indicate full names of the authors, their parent institutions (departments) where the authors performed the research.

Your paper should contain the summary (about 900 symbols) describing the aim, main methods and conclusions of the research. Follow the summary by up to 10 keywords.

The original research paper could be based on the experimental or theoretical data, as well as on the development of methodical approach. Recommended division of the paper is as follows: introduction, materials and methods, results and discussion (together or separately), conclusion. It is recommended to introduce the original research with general description of the problem as well as its relationship to important fundamental and/or applied issues, to make short analysis of recent research and publications, which initially reported the issue, to state unsolved aspects of the issue which is the object of the presented study, as well as the proceeding from these objectives (aim) of the investigation. The Materials and Methods section should be sufficiently detailed to allow the work to be reproduced. Results and discussion could be present separately or together in one section depending on logical design of the paper. In any case the results should be described clearly and without repeating of the same data in figures and in tables. Describe in the text only the found regularities without stating all the numeral data shown in the figures or tables. Statistical analyses should be stated if applicable. The use of SI units is obligatory. The discussion should be accompanied by interpretation and substantiation of the findings. Finally the paper should contain the conclusion on the performed research and the prospects of further investigations.

Short communication is a reduced version of original paper and serves for providing the cutting-edge infor-

mation about obtained results without an expanded discussion. Short communication does not contain the subheadings, not more than 3 figures and/or tables, and maximally 10 references.

The review papers to be prepared after preliminary arrangement with the Editorial Board. It is supposed that the review paper would substantially cover the state of art in a appropriate relevant scientific issue in the frames of the journal topic.

The text of the manuscript should contain the definition of abbreviations at their first usage, references should be numbered and given in square brackets right after citation. Mathematical and chemical symbols, equations and formulas are to be placed in the manuscript using the text processing software. The tables are to be placed in separate pages after the main text and references. Give the notes to the table directly under it. Place the numbered figures and illustrations on separate pages after the text, and enclose their electronic copies as separate files. Provide the figures with the concise title and explanations essential to understand the illustrated content. The illustrations should be of professional quality and to be done in black and white (grayscale); photos, diagrams to be presented as an image in eps, jpeg or tiff formats, the images should be minimum 8 cm in width and at least 300 dpi resolution. Charts and graphs prepared with MS Excel application to be submitted as the original file (xls) with the source data, in case of other applications, these should be presented as an image. Formulas, tables and figures are to be numbered consecutively in Arabic numerals, respectively: (1); Table 1, Fig. 1; parts of composite figures to be denoted by capital letters (A, B, C, etc.). The illustrations should be prepared considering bilingual journal format, thus it is recommended not to oversize the labels and captions within the figures, rather to place all the large annotations in the figure description. Do not use pseudo-3D plots where not appropriate. Use white backgrounds for plots and no gradient filling for the columns, line thickness should be at least one point. Arial is preferable to use for all the numbering and letters on the plots.

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Scheme of references:

*Journal article:*

Petrenko Yu.A., Rogulska O.Yu., Mutsenko V.V. et al. A sugar pretreatment as a new approach to the Me<sub>2</sub>SO- and xeno-free cryopreservation of human mesenchymal stromal cells. *CryoLetters* 2014; 35(3): 239–246.

*Book:*

Belous A.M., Grischenko V.I. *Cryobiology*. Kyiv: Naukova dumka; 1994.

*Book chapter:*

Zhang T.T. Cryopreservation of gametes and embryos of aquatic species. In: Fuller B.J., Lane N., Benson E.E., editors. *Life in the Frozen State*. Florida: CRC Press LLC; 2004. p. 415–436.

*Electronic document:*

Mantynen M. Temperature correction coefficients of electrical conductivity and of density measurements for saline groundwater sensors. Available from: URL: [http://www.posiva.fi/files/2094/POSIVA-2001-15\\_Working-report\\_web.pdf](http://www.posiva.fi/files/2094/POSIVA-2001-15_Working-report_web.pdf) (cited 12.05.2014).

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Provide the information about the corresponding author: surname, first name, institution, position and title, postal address, telephone number, e-mail address.

In case the manuscript would not conform to these requirements it will be sent back for revision.

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