instruction for authors

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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.

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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:

Narozhnyi SV, Rozanova YeD, Nardid OA. [Effect of low-temperature storage on proteins encapsulated in alginate microspheres]. Visnyk problem biologii i medycyny. 2018; (2): 206-9. Russian.

Petrenko YuA, Rogulska OYu, Mutsenko VV, et al. A sugar pretreatment as a new approach to the $\rm Me_2SO$ - and xeno-free cryopreservation of human mesenchymal stromal cells. CryoLetters. 2014; 35(3): 239–46.

Book:

Jain NC. Essentials of Veterinary Hematology. Philadelphia, PA: Lea and Febringers; 1993. 417 p

Belous AM, Grischenko VI. [Cryobiology]. Kyiv: Naukova dumka; 1994. 430 p. Russian.

Atramentova LO, Utevska OM. [Statistical methods in biology]. Kharkiv: V.N. Karazin Kharkiv National University, 2007. 288 p. Ukrainian.

Part of a book:

Zhang TT. Cryopreservation of gametes and embryos of aquatic species. In: Fuller BJ, Lane N, Benson EE, editors. Life in the Frozen State. Florida: CRC Press LLC; 2004. p. 415–36.

Electronic document:

European Convention for the Protection of Vertebrate Animals used for Experimental and Other Scientific Purposes. European



Treaty Series No. 123 Strasbourg, 18.III.1986. Strasbourg: Council of Europe; 1986. 53p. [Cited 01.02.2016] Available from: https://rm.coe.int/CoERMPublicCommonSearchServices/Displa yDCTMContent?documentId=090000168007a67b

Hawkins VE, Takakura AC, Trinh A, et al. Purinergic regulation of vascular tone in the retrotrapezoid nucleus is specialized to support the drive to breathe. eLife [Internet]. 2017 Apr 7 [cited 2017 Nov 19]; 6:e25232. Available from: https://elifesciences.org/articles/25232

Patent:

Ohlrogge JB, Benning C, Gao H, Girke TA, White JA, inventors; Board of Trustees Operating Michigan State University, assignee. Plant seed specific promoters. United States patent US 7,081,565. 2006 Jul 25.

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