

RULES FOR AUTHORS

GENERAL REQUIREMENTS

The journal «Proceedings of Voronezh State University. Series: Chemistry. Biology. Pharmacy» accepts to publication materials containing the results of original research, completed in the form of full articles, short reports, and reviews (in agreement with the editors). Published materials, as well as materials submitted for publication in other journals, are not accepted for consideration.

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- 1) the text of the article in Russian or English, in accordance with the requirements below, signed by all authors, UDC, tables, figures and signatures (2 copies);
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- 3) files of all submitted materials on electronic media or by e-mail of the editorial office;
- 4) information about the authors: their positions, academic degrees, telephones and e-mail addresses (in Russian and English).
- 5) expert opinion, direction of the organization.

The articles sent to the editorial board are subject to review and, in case of a positive review, scientific and control editing.

An article sent to the author for revision should be returned in corrected form (in 2 copies) together with its original version as soon as possible. To the revised manuscript it is necessary to attach a letter from the authors, containing answers to all the comments and explaining all the changes made in the article. An article detained for more than three months or requiring recycling is considered as newly received.

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STRUCTURE OF PUBLICATIONS

The publication of full articles, short reports and reviews begins with the UDC index, followed by the title of the article, the initials and surnames of the authors, the expanded names of the scientific institutions. Next is the date of receipt of the material in the editorial office, then annotations and keywords – in Russian and English.

The Editorial Board recommends authors to structure the presented material using subheadings: INTRODUCTION, METHODS, DISCUSSION OF THE RESULTS, CONCLUSION, REFERENCES.

EXAMPLE

RESEARCH OF OPERATING MODES FOR THE HETEROGENEOUS BIOCATALYST ON THE BASIS OF THE IMMOBILIZED INULINASE IN THE REACTOR OF CONTINUOUS ACTION TO RECEIVE FRUCTOSE FROM INULIN CONTAINING PLANTS EXTRACTS

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ABSTRACT

The highly stable heterogeneous preparation of inulinase, immobilized on the ion-exchange KU-2 resins, is developed. It effectively split chemically pure and containing in plant extracts inulin. It is suitable for use not less, than in 10 cycles of hydrolysis in a row. Substrate movement from top to bottom with a speed of 3 ml/min (inulin) and 7 ml/min. (plants extract) or from bottom to top with a speed of 5 ml/min is optimum at using of the biocatalyst in the reactor of continuous action.

Keywords: inulinase, immobilization of heterogeneous biocatalyst, inulin, extract of *Helianthus tuberosus*, ion-exchange KU-2 resin, reactor of continuous action

INTRODUCTION METHODS DISCUSSION OF THE RESULTS CONCLUSION REFERENCES

Information about authors (place of work, surname, initials, position, contact details – in Russian and English) is placed at the end of the article.

The list of literature is compiled according to the citation order and is given at the end of the article. References to the literature are given in the text in square brackets.

After the list of literature is a table with information about authors in 2 columns with a hidden grid.

Figures and tables are placed at the end of the article on separate pages.

The article must be submitted in accordance with the following requirements:

Manuscripts should be provided in the format doc or rtf

The length of the article together with the text, figures, tables and lists of literature should not exceed 20 A4 pages, except for reviews and short messages (up to 5 pages).

The article should be written succinctly, neatly framed and carefully edited.

Font type Times New Roman.

The font size is 14 pixels.

The indent of the first line is 1.25; line spacing 1.5 pt.

Page parameters: top field – 2.5, bottom – 2.5, left – 3, right – 2.5.

All pages of the manuscript, including a list of literature, tables, signatures to drawings, drawings should be numbered.

Subheadings inside the article are highlighted in bold.

The text should not contain automatic hyphens and forced hyphens placed manually.

Do not use footnotes.

Articles should be carefully verified by the authors for spelling, grammatical, punctuation and semantic errors.

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Equations, figures, tables and references to literature are numbered in the order in which they are mentioned in the text.

The format of the figure should ensure the clarity of the transmission of all the details. The inscriptions in the figures are given in Russian or English; the dimension of the values on the coordinate axes is usually indicated by a comma (for example, U, B; t, c). The caption must be self-sufficient, without appeal to the text.

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Figures design:

- the width of the drawing is 80 mm or 160 mm, the height of the drawing is from 60 to 150 mm, the signatures to the axes should be legible, the recommended font for the signatures of the axes and curves is Times new Roman, font size 11 pt.
- the same type of curves must be made on the same scale.
- for bitmap images it is necessary to use the TIF format with a resolution of 600 dpi, shades of gray 8 bit;
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- greek letters must be typed in Word by Insert → Symbol;
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Requirements for the abstract

The abstract should be informative (not contain general words), meaningful (reflect the main content of the article, describe the main goals and methods of research, summarize the most important research results and their scientific significance), structured (follow the logic of the article).

The abstract should be detailed and detailed (average volume – 250-300 words, but it is possible and more). Abstract in English should be written in a competent language using a special English-language terminology.

List of literature / References

- The list of all literature used in the article is given in Russian LIST OF LITERATURE and in the Latin REFERENCES (sources in English, French, German and other languages – in the original, Russian sources need to be transliterated (see below)). LIST OF LITERATURE and REFERENCES – two separate sections of the article
- For automatic transliteration into the Latin alphabet, it is recommended to contact the website <http://translit.ru> (transliteration standard - BSI; setting before transliteration).
- References to sources in the list of literature used are numbered consecutively, in the order of their first mention in the text.
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- The recommended number of references in the literature list is at least 20, mainly from the international Scopus databases and the Web of Science Core Collection, as well as from the RINC core.

Examples of the list of references

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Ovechkin A.S., Kartsova L.A., *J. of Analytical Chemistry*, 2015, Vol. 70, No. 1, pp. 1-4.

Article in English, French, German. and other languages (Latin):

Pitts J.N., Khan A.U., Smith E.B., Wayne R.P., *Environ. Sci. Technol.*, 1969, Vol. 3, pp. 241-247. DOI: Available at: название интернет-ресурса (accessed 00.00.0000).

The book (monograph, collection):

Nigmatulin R.I. *Dinamika mnogofaznykh sred.* Moscow, Nauka Publ., 1987, pt. 1, 464 p.

Yungnickel I.L., Peter E.D., Polgar A., Weiss E.T. *Organic Analysis.* New York, 1953, vol. 1, p. 127.

Conference materials:

Afonin N.N., Logacheva V.A., Khoviv A.M. “Amorphous & Microcrystalline Semiconductors”, Proceedings of the IX International Conference, July 7-10, 2014, St. Petersburg, 2014, pp. 356-357.

Edition in English, French, German. and other languages (Latin):

Lee, Y., Korpela, S.A., and Horne, R.N., 1982, “Structure of Multi-Cellular Natural Convection in a Tall Vertical Annulus”, Proceedings, 7th International Heat Transfer Conference, U. Grigull et al., eds, Hemisphere Publishing Corp., Washington, D.C., vol. 2, pp. 221-226.

Description of the transferable book:

Timoshenko S.P., Young D.H., Weaver W. *Vibration Problems in Engineering.* 4th ed. New York, Wiley, 1974, 521 p. (Russ. ed.: Timoshenko S.P., Young D.H., Weaver W. *Kolebaniia v inzhenernom dele.* Moscow, Mashinostroenie Publ., 1985, 472 p.).

Internet resource:

Kondrat'ev V.B. *Global'naya farmatsevticheskaya.* Available at: http://perspektivy.info/rus/ekob/globalnaja_farmacevticheskaja_promyshlennost_2011-07-8.html (accessed 22 June 2012).

Dissertation or dissertation author's abstract:

Kuleshov V.G. Diss. cand. chem. nauk. Moscow, 1979, 17 p.

Patents:

Palkin M.V. Patent RF, no. 2280590, 2006.

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