**Rules for the authors of the scientific and technical journal "Engineering and Construction Herald of the Caspian Sea"**

**General information**

The main objective of the magazine is to promote scientific research, the publication of original scientific articles and reviews mainly of a scientific and technical nature, devoted to fundamental applied problems in the field of construction, architecture, energy conservation, and ecology.

The journal publishes the results of scientific research in the following areas: architecture, construction, engineering systems and ecology, information technology.

The minimum volume of one magazine is 200 pages of A4 format.

The volume of each of the main sections of the journal does not exceed five articles. In one issue of the magazine cannot be published more than two articles of one author, including work in co-authorship.

The cost of publication is 100 rubles per page. The publication of articles for teachers and staff of the Institute, as well as colleges, co-founders of the journal, is free. The publication of articles for post-graduate students is free, subject to providing a certificate of education in graduate school.

**Reviewing and checking the degree of originality**

The order of publication of articles in the journal is subject to compulsory review. Reviewing of articles is carried out by members of the editorial board of the journal or, if necessary, by invited specialists. As a reviewer, a person who has a degree in the specialty, corresponding to the subject matter of the article.

All articles of the journal before passing to the publication pass an obligatory test for the uniqueness of the text. The check is carried out by the technical secretary of the journal using one of the online systems.

For articles in the journal, the permissible percentage of uniqueness is set at 75%. In case of obtaining a smaller indicator, the author is notified of the need to finalize the article to an acceptable level of originality or to withdraw an article from the journal.

**Rules for submission of articles**

To publish an article in the journal, the author should provide:

* application for publication in the journal;
* the text of a scientific article in electronic form, issued in accordance with the requirements;
* for graduate students - a certificate of education in graduate school.

All the above materials should be sent to the e-mail address **isvp@aucu.ru**.

**Application form for publication**

|  |  |
| --- | --- |
| **Surname and Name of the author (s)** |  |
| **Title of the article** |  |
| **The name of the proposed section of the journal** |  |
| **Information about the author (academic degree, rank, position held)** |  |
| **Place of work (indicating the structural unit) address, organization** |  |
| **The address for mailing the journal** |  |
| **Contact information (e-mail, telephone)** |  |

**Requirements for registration of articles**

The article is provided in electronic form as a file Microsoft Word.

Before sending the article, the text should be carefully verified, checked for compatibility when adding other texts to the article, checked for resistance to processing in PDF (especially for signs, formulas, figures and tables). Additions and corrections to the posted text are not allowed.

The scientific article should have a limited volume (10-20 pages of text typed in the Microsoft Word editor, page format - A4, portrait orientation, fields - 2.5 cm from all directions, font - Times New Roman, color black, 14 size, single line spacing, paragraph indent left - 1,25).

**Mandatory structural elements** of a scientific article:

* index Universal decimal classification (in the upper left corner of the sheet);
* uppercase (capital letters, font size - 14, bold, left alignment);
* Surname and Name of the author (font size - 14, bold italic, left alignment);
* the organization in which the authors work, specifying the city and country (font size - 14, bold italic, left alignment);
* an abstract in Russian (800-1000 characters (with spaces), font size - 12)
* Keywords in Russian (5-10 words, font size - 12, italics)
* translation of the title, surname, name and information about authors, annotations and keywords in English
* the actual text of the article, which includes an introductory part, in which the author gives a justification for the relevance of the selected topic; the basic part and the conclusion containing the basic conclusions on the question investigated by the author (alignment of the text on width, a font size - 14)
* the list of the literature issued in accordance with the State Standard 7.0.5-2008 "Bibliographic reference: General requirements and rules of compilation" (font size - 12)

**EXAMPLE OF THE ARTICLE FORMATION**

**DEVOLOPMENT OF POWER SAVING MEASURES IN DESIGN AND RECONSTRUCTION OF RURAL AND SETTLEMENT HEAT SUPPLY SYSTEMS**

***A.E. Alexandrov, G.N. Baraeva, S.A. Minkina***

***Samara State University of Architecture and Civil Engineering***

The possibility of a significant increase in the efficiency of village and rural heat supply systems

due to energy saving measures is substantiated. The results of a comprehensive survey of 22 boiler-rooms of "Volzhskselhozenergo" firm in Samara region, providing heat for 15 settlements, and the state of thermal networks are shown. The data on the state of boiler-rooms and auxiliary equipment are considered. It was founded that in the majority of boiler-rooms no system threads of water purifier, water meters and water consumption. A number of boiler-rooms operated with old sectional boilers, which results in excessive fuel consumption. Calculations of water treatment, equipment selection, and aerodynamic calculation of boilers are performed. A list of measures to improve the state of boilers and heating systems is worked out.

**Key words:** energy saving, heat supply facilities, boiler-room, heating network, chemical water treatment.

Article text

**List of used literature**

1. **Zhurba M.G. Water supply. Design of systems and structures. Vologda - Moscow: HeSTU, 2001. T. 2. 324 p.**
2. **Shvetsov V.N., Yakovlev S.V., Morozova K.M. Deep cleaning of natural and sewage water on biosorbers. / / Water supply and sanitary engineering. 1995. № 11. Pp. 25-27.**
3. **Reverse osmosis system, productivity 0,5 m / h / LLC “RossAquaCentr”URL: http://rossaqua.ru/katalog/vodopodgotovka/membrannyie-ustanovki-ochistkivody/**
4. **proizvoditelnost-05-m3ch.html**

In the title of the article, the use of abbreviations is not allowed, except for universally recognized ones.

Annotations should be concise, but at the same time sufficiently informative. They should cover the main content of the article, have an indication of the subject, object, purpose of the study, and the relevance of the chosen topic. It is inadmissible to repeat verbatim the title or excerpts from the text of the article in the annotation. The abstract in English cannot be an exact tracing of the Russian text and there should not be a smaller amount of annotations in Russian. Use of automatic translators is forbidden.

References to the sources used in the article should be enclosed in square brackets and sequentially numbered (for example, [1], [5, p.24], [11-14, 18]). The number indicates the source in the list of references. Hyperlinks are not allowed.

The list of references is drawn up as a numbered list, exhibited in the order of mentioning sources in the text of the article. It is recommended to use at least 15 literature sources.

A set of mathematical formulas within the whole text should be uniform. Simple single-line and single-line formulas must be typed without using special editors. Special complex symbols, as well as multi-line formulas that can not be selected in the usual way, should be typed in the formula editor Math Type. Formulas typed in separate lines and the equations are centered, printed from a new line without a paragraph indentation and are numbered in parentheses at the end of the line. The formulas themselves can be 12-14 pins.

Tables and figures should be entitled and sequentially numbered. The word "table" is typed above the table itself, aligned to the right. The next line on the center is typed the title. If the table has a large volume, it can be placed on a separate page, and if it has a significant width - on a page with a landscape orientation.

Tables and figures should be entitled and sequentially numbered. The word "table" is typed over the same table, with the right alignment. The next line on the center is typed the title. If the table has a large volume, it can be placed on a separate page, and if it has a significant width - on the page in a landscape orientation.

Drawings should be presented in the format \*.jpg or \*.bmp. The caption must consist of a number and a title (Fig.1 ..) and have a center alignment. The names of figures and tables, as well as the contents of the tables, are typed with 12 pins. The boundaries of tables and figures should correspond to the parameters of the text fields (16 cm). The text of the article must contain links to the presented figures, tables, graphs or diagrams. Color illustrations are not accepted, they must be converted to black and white. All illustrations should be clear. Images and tables are not allowed, which will make it difficult to create a single file in the format Microsoft Word.

If there is funding for the grant, the relevant information is placed after the main text of the article in an interval and italicized.

**The annual schedule on the magazine**

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| --- | --- | --- | --- | --- | --- |
| *Issue number in current year* | *Deadline for submission of materials by authors* | *Reviewing* | *Adoption at the meeting of the editorial board* | *Prepress preparing* | *Number output* |
| №1 | Until 01.02 | Until 10.02 | Until 20.02 | Until 15.03 | Until 30.03 |
| №2 | Until 01.05 | Until 10.05 | Until 20.05 | Until 15.06 | Until 30.06 |
| №3 | Until 01.08 | Until 10.08 | Until 20.08 | Until 15.09 | Until 30.09 |
| №4 | Until 01.11 | Until 10.11 | Until 20.11 | Until 15.12 | Until 30.12 |