



1972

## **TO THE ATTENTION OF THE AUTHORS!**

The scientific journal «Bulletin of Zhetysu University named after Ilyas Zhansugurov» announces a set of scientific manuscripts in issue No.4(109)/2023 in the natural and technical direction..

Manuscripts are accepted until November 10, 2023. The manuscript can be sent to the editorial office via the journal's website: <https://journal.zhetysu.edu.kz>

### **Periodicity of the journal**

The scientific journal «Bulletin of Zhetysu University named after Ilyas Zhansugurov» is published 4 times a year at the following deadlines:

No.1 – until March 30;

No.2 – until June 30;

No.3 – until October 30;

No.4 – until December 30.

### **Manuscripts are accepted within the following deadlines:**

No.1 – until February 30;

No.2 – until May 30;

No.3 – until September 30;

No.4 – until November 30.

### **General information**

The journal «Bulletin of Zhetysu University named after Ilyas Zhansugurov» accepts for publication materials containing the results of original research, designed in the form of complete manuscripts. The material proposed for publication must be original, not previously published in other scientific publications, correspond to the profile and scientific level of journals. The decision on the thematic discrepancy can be made by the Editorial Board without special review and justification of the reasons. The works of students and undergraduates are accepted only in co-authorship with scientific supervisors or if there is a review from their supervisors.

### **Information for authors**

Manuscripts by foreign authors and manuscripts by authors not affiliated with the Zhetysu University named after I.Zhansugurov prevail and are accepted without waiting lists. The editorial board of the journal accepts previously unpublished manuscripts strictly in the direction of the journal.

The Editorial Board asks the authors to follow the following rules when preparing manuscripts for publication in the journal.

### **The design of the manuscripts**

(if the manuscripts is in English)

The manuscripts must be designed in accordance with the rules of registration and comply with the structure of the manuscripts specified in the rules.

The structure of the manuscripts should include:

– UDC index

- Title of the manuscript
- Surname and initials of the author(s)
- Information about the authors (affiliations (names of organizations), name of the country, city, addresses of all authors, e-mail of the corresponding author)
- Abstract
- Keywords
- Introduction
- Materials and methods
- Main part
- Results and discussions
- Conclusion
- Information about funding (if available)
- References
- Transliterated list of references

(Instructions for authors on the design of the manuscript in *Appendix A*)

**The MS Word document with the manuscript should be named according to the following template: No.(journal number(end-to-end issue of the journal)) Surnames and initials of all authors. For example: No.4(105) Shatyrbayeva G.Zh., Moldabayeva M.M.**

#### **Information about the authors**

*A separate file is sent information about the authors in three languages with the following data:* full name, academic title, academic degree, position or profession, place of work (full name of the organization, city), name of the country (for foreign authors), contact details (e-mail, phone) of all authors (*Appendix B*).

**The MS Word document with information about the authors should be named according to the following template: Inf.about.authors No.(journal number(end-to-end issue of the journal)) Surnames and initials of all authors. For example: Inf.about.authors No.4(105) Shatyrbayeva G.Zh., Moldabayeva M.M.**

The Executive Secretary, within three days after the receipt of the materials, checks for compliance with the rules of registration of materials. In case of non-compliance with the rules of registration of materials, the specialist of the department notifies the author of the need to finalize the materials.

The materials submitted for publication must meet the profile of the journals, meet the formal requirements, undergo a double review procedure (checking for plagiarism and reviewing by members of the expert group and the editorial board of the journals) and receive a recommendation for publication by the editorial board of the journal.

Journals are open – any author, regardless of citizenship, place of work and academic degree, has the opportunity to publish an manuscript in compliance with the requirements of the editorial board.

#### **Payment methods**

*After acceptance of the manuscript for publication, a scanned receipt for payment for publication in pdf or jpeg format is submitted by E-mail. **The registration fee for publishing expenses is 4000 tenge.** Publication in the journal is free for foreign authors.*

#### **Bank details**

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**Editorial Office address:** 040000, Taldykorgan, Ilyas Zhansugurov St., 187a, Zhetysu University named after Ilyas Zhansugurov, 310 cabinet – Department of Science and Commercialization of Scientific Projects, phone: 8 (7282)22-21-23, BH. 1193, e-mail: [vestnik@zu.edu.kz](mailto:vestnik@zu.edu.kz).

## INSTRUCTIONS FOR AUTHORS

### Rules for the design of manuscripts:

1. Manuscripts can be submitted in Kazakh, Russian or English as a file in MS Word (.docx) format.
2. The volume of the manuscript should be 5-10 pages.
3. Font – Times New Roman, size – 12 pt. with a single line spacing. Margins on the left and top – 2.5 cm, on the right and bottom – 2 cm, paragraph – 1.25. The material of the manuscript is drawn up in accordance with GOST 7.5-98 «Magazines, collections, information publications. Publishing design of published materials».
4. In the text, square brackets should be used for references to literary sources – [1], round brackets for formulas – (1). Links to formulas should be located to the right of the formula.
5. All formulas, numerical values, and notation of quantities must be typed in Microsoft Equation 3.0 or MathType format. Each formula should be typed separately if several formulas are in a row.
6. All the symbols used should be explained (it is possible not to explain unambiguous generally accepted designations).
7. You cannot start a sentence with a formula.
8. Tables and illustrations should be arranged as they are mentioned in the text in separate paragraphs. Each table and illustration should have a caption and each table and illustration should have a link in the text. Numbering for tables and illustrations is separate.
9. Illustrations must be of sufficient quality (at least 300 dpi) to clearly identify the content. The illustrations should be numbered. All illustrations and titles of the illustration should be centered, the titles should be centered under the illustration. Illustrations and titles of illustrations should be separated by spaces from the rest of the text. Font – Times New Roman, kegel – 12 pt. After the word «Figure» indicate the serial number and the name of the figure (**Figure 1** – The name of the figure).
10. Tables should be created in Microsoft Word table format. All tables should be numbered. The table header should be located to the right above the table. Headings and tables should be separated by spaces from the rest of the text. Font – Times New Roman, kegel – 12 pt. After the word «Table» indicate the serial number and the name of the table (**Table 1** – The name of the table).
11. The list of references should be given as cited and include all the works used by the author.
12. Bibliographic lists should be issued in accordance with GOST 7.1-2003 «Bibliographic record. Bibliographic description. General requirements and rules of compilation».

## Requirements for the structure of the manuscript:

### Structure of the manuscript:

The structure of the manuscript should include the UDC index, the title of the manuscript, information about the authors (full name of the authors, affiliations (names of organizations), name of the country, city, addresses of all authors, e-mail of the corresponding author), annotation, keywords, main provisions, introduction, materials and methods, main part, results and discussions, conclusion, information about financing (if available), list of references, transliterated list of references.


Manuscript design template:

UDC

DOI (issued by a specialist of the Department of Science)

### TITLE OF THE MANUSCRIPT IN ENGLISH

*M.G. Shatyrbayeva*<sup>1\*</sup> , *M.M. Moldabayeva* 

(*there should be a hyperlink to the Orcid profile in the icon* )

<sup>1</sup>*University (full name), Country, City*

<sup>2</sup>*University (full name), Country, City*

*\*e-mail: (e-mail of the correspondent's author)*

*Abstract (no more than 300 words). The abstract should include the following mandatory items:*

*Purpose, ideas and main directions of research;*

*A brief description of the scientific and practical significance of the study;*

*Brief description of the research methodology;*

*Main results and analysis, conclusions of the research work;*

*The value of the conducted research;*

*Practical significance of the research.*

**Keywords:** *3-10 keywords.*

### Introduction

The introduction should contain information about the objectives of the work, the importance of the research area, the theoretical and practical significance, the relevance of the problem, the solution of the problem or the formation of a hypothesis.

### Materials and methods

This section should consist of a detailed description of materials, equipment and software (including the model, company and country), as well as a detailed description of the methods used, while only new methods should be described in detail; it is sufficient to refer to previously published and well-known methods in the list of references and if the method is not widely known, it is desirable to state its principle and specify the author.

The materials used in the course of the study should be described in qualitative and quantitative terms.

Statistical analysis of the data obtained during the study is mandatory, it is also necessary to specify the software used.

## Main part

This section describes the course of scientific research, its successive stages, a critical analysis of the available scientific developments is made, hypotheses are put forward, which in the course of the author's reasoning are confirmed or refuted by him.

## Results and discussions

This section reveals the results of the work and should contain an analysis and discussion of the results of the study. The results should be presented in the form of tables, figures and other illustrative materials with their discussion.

### Tables

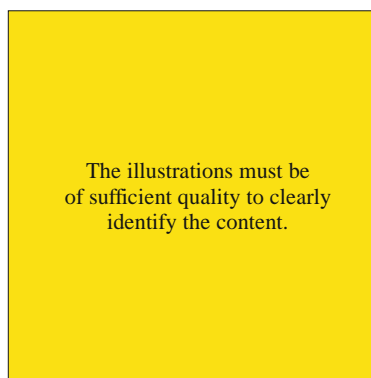
Tables should be created in Microsoft Word table format. All tables should be numbered. The table header should be located to the left above the table. Headings and tables should be separated by spaces from the rest of the text.

**Table 1** – Table name

Title	Result 1	Result 2	Result 3
Title 1	1	2	3
Title 2	4	5	6

### Illustrations

The illustrations must be of sufficient quality (at least 300 dpi) to clearly identify the content. The illustrations should be numbered. All illustrations and titles of the illustration should be centered, the titles should be centered under the illustration. Illustrations and titles of illustrations should be separated by spaces from the rest of the text.



**Figure 1** – The name of the figure

### Equations

All equations, numerical values, and notation of quantities must be typed in Microsoft Equation 3.0 or MathType format. Drawings of formulas are not allowed. All formulas must be numbered. Formulas should be centered. The numbering of formulas should be placed to the right of the formula in parentheses. All formulas should be separated by spaces from the rest of the text.

$$f = \sum \left( a + \frac{a}{10} \right) \quad (1)$$

where:  $f$  – designation name;  
 $a$  – designation name.

## Conclusion

This section should summarize and summarize the results of the work carried out, show how the results obtained and their significance for the development of science can potentially be used.

### **Financing information (if available)**

List the sources of funding with the support of which the work was carried out.

### **List of literature**

The list of references should contain at least 10 titles of literature. The list of references should be given as the citation is made and is made in accordance with GOST 7.1-2003. In the text, the reference number should be indicated in square brackets. For example: Korolev's formula [1] proves that (...).

### **LITERATURE:**

- 1.
- 2.

### **Transliterated list of references**

If there is literature in Cyrillic in the submitted list of references, then it is necessary to submit the list of references in two versions: in the original language in the Literature and in the Romanized alphabet (transliteration into Latin) in References. If there are foreign publications, they are completely repeated in References. Transliteration from Cyrillic can be done using the Online Converter program on the website <https://qazlat.kz/>.

For transliterated references, the following structure should be used: Author(s) (transliteration) (year in parentheses) The title of the manuscript in transliterated version [translation of the title of the manuscript into English], the name of the source in Cyrillic (transliterated), output data with notation in English.

### **REFERENCES:**

1. Eläsberg P.E. (1965) Vvedenie v teoriu poleta iskustvennyh sputnikov Zemli [Introduction to the theory of flight of artificial Earth satellites], İzdatelstvo "Nauka", 540 p.
- 2.

Латын графикасына негізделген қазақ тілі  
ӘЛПБИ

№	Жазылуы	Дыбысталуы	№	Жазылуы	Дыбысталуы
1	А а	[a]	17	Ń ń	[ɲ]
2	А́ а́	[ə]	18	О о	[o]
3	В в	[ɔ]	19	Ó ó	[o]
4	Д д	[d]	20	Р р	[ɹ]
5	Е е	[e]	21	Q q	[k]
6	Ғ ғ	[ɣ]	22	Р р	[ɹ]
7	Г г	[g]	23	С с	[c]
8	Ғ́ ғ́	[ɣ]	24	Т т	[t]
9	Ң ң	[x], [h]	25	U u	[y]
10	І і	[i]	26	Ú ú	[y]
11	І і	[ɯ], [i]	27	V v	[v]
12	Ж ж	[ʒ]	28	Y y	[ɣ]
13	К к	[k]	29	Ý ý	[y]
14	Л л	[l]	30	Z z	[z]
15	М м	[m]	31	Sh sh	[ʃ]
16	Н н	[n]	32	Ch ch	[tʃ]

## ҚАЗАҚ ТІЛІНДЕГІ ҚОЛЖАЗБА АТАУЫ

*Шатырбаева М.Г.<sup>1,\*</sup>, Молдабаева М.М.<sup>2</sup>*

<sup>1</sup>*Университет (толық атауы), Елі, Қала*

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*\*e-mail: (автор корреспонденттің эл.пochtасы)*

*Аннотация (300 сөзден аспауы тиіс). Аннотация келесі міндетті тармақтарды қамтуы керек:*

*Зерттеудің мақсаты, идеялары және негізгі бағыттары;*

*Зерттеудің ғылыми және практикалық маңыздылығының қысқаша сипаттамасы;*

*Зерттеу әдістемесінің қысқаша сипаттамасы;*

*Зерттеу жұмысының негізгі нәтижелері мен талдаулары, қорытындылары;*

*Жүргізілген зерттеудің мәні;*

*Зерттеудің практикалық маңызы.*

***Кілт сөздер:*** 3-10 кілт-сөздер.

## НАЗВАНИЕ РУКОПИСИ НА РУССКОМ ЯЗЫКЕ

*Шатырбаева М.Г.<sup>1,\*</sup>, Молдабаева М.М.<sup>2</sup>*

<sup>1</sup>*Университет (полное название), Страна, Город*

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*\*e-mail: (эл.почта автора корреспондента)*

*Аннотация (не более 300 слов). Аннотация должна включать следующие обязательные пункты:*

*Цель, идеи и основные направления исследования;*

*Краткое описание научной и практической значимости исследования;*

*Краткое описание методологии исследования;*

*Основные результаты и анализ, выводы исследовательской работы;*

*Ценность проведенного исследования;*

*Практическое значение исследования.*

***Ключевые слова:*** 3-10 ключевых слов.



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