

Protocol № 2 (1)  
Ministry of education and science of the Republic of Kazakhstan  
E.A. Buketov University of Karaganda  
Physics and technical faculty  
2020-07-08  
The meeting of the editorial Board  
Physics Series  
№ 2 (1) - 2020

Present: members of the editorial Board from among the full – time staff of the faculty – PhD Khasenov A.K., Doctor of physical and mathematical Sciences, Professor Koketaytegi T.A., candidate of technical Sciences, Professor Nussupbekov B.R., executive secretary of the series, PhD Karabekova D.Zh.

Third-party nonresident and foreign members of the editorial Board were sent an email about the content of the editorial policy of the journal.

Listened To:

1. Executive Secretary of the Series PhD, associate Professor Karabekova D.Zh. on the content of the journal's editorial policy.

## **EDITORIAL POLICY OF THE JOURNAL**

**Purpose:** the main goal of the journal "Bulletin of the Karaganda University. Physics Series" is a coverage of current problems of modern physics and technology that contain new results of theoretical or experimental research.

The journal **tasks** to inform a wide range of the scientific community about new scientific developments and technical solutions for fundamental and applied research.

**ISSN:** 2518-7198 (Print)

**ISSN:** 2663-5089 (Online)

The publication is registered in the international center ISSN 2518-7198 (Print) ISSN: 2663-5089 (Online). Access to articles in the electronic version of the journal on the website <https://physics-vestnik.ksu.kz/>

**Publisher:** Non-profit joint-stock company E.A.Buketov University of Karaganda MES RK

**Publication languages:** Kazakh, Russian, English

**Periodicity:** 4 times a year

**Indexation:** **Web of Science Core Collection**

**The editorial policy of the journal is based on the following principles:**

- objectivity and impartiality in the selection of articles for publication;
- high demands on the quality of scientific research;
- collegiality in making decisions about the publication of articles;
- accessibility and efficiency in communicating with authors;
- strict observance of copyright and related rights;
- strict observance of the schedule of the journal publication.

**The subject of the journal includes sections that reflect the achievements of various branches of physical science:**

- condensed matter physics;
- Thermophysics and theoretical heat engineering;
- applied physics;
- instruments and experimental methods;
- methods of teaching physics.

**The journal does not publish:**

- materials that do not correspond to the subject of the journal;
- previously published by the authors in other publications;
- containing spelling, mathematical or other errors that cannot be corrected, as well as statements and hypotheses that directly contradict established scientific facts.

## **PUBLICATION ETHICS**

The scientific publication "Bulletin of the Karaganda University" is committed to strictly adhere to the ethical principles established by various international organizations, such as the Committee on publication ethics (COPE), the international Committee of medical journal editors (ICJME) and maintain high publication standards, setting standards and norms for best practice compliance with these requirements.

The editorial Board of the journal "Bulletin of the Karaganda University" is responsible for making a decision on the choice of articles for publication in the journal. Editors' evaluation of submitted works should be limited to intellectual content only. The editorial Board may, at its sole discretion, reject any material that violates the legal requirements for libel, copyright infringement, and plagiarism. The editorial Board is obliged to ensure the confidentiality of submitted works before their publication. Publishing an article in a peer-reviewed journal is an important block in the development of a logical and valuable knowledge network. This is a direct indication of the quality of the work of authors and the institutions that support them. Peer-reviewed articles support and serve as an example of the scientific method. Therefore, it is important to agree on standards of expected ethical behavior for all parties involved in the publication act: the author, the journal editor, the reviewer, the publisher, and the society.

### ***Responsibilities of authors***

Authors of scientific papers of the original research should provide an accurate report on the work done, as well as an objective discussion of its significance. The main data must be presented correctly in the document. The document should contain enough details and references to allow others to repeat the work.

Fake or deliberately inaccurate statements constitute unethical behavior and are unacceptable.

### ***Originality and plagiarism***

Authors should make sure that their work is original, and if the authors used the work and / or words of other authors, that it is appropriately cited. Plagiarism takes various forms: from publishing someone else's article as the author's own article to copying or paraphrasing essential parts of someone else's article (without confirmation) to approving the results of research conducted by others. Plagiarism in all its forms is unethical publishing behavior and is unacceptable.

#### ***Multiple, duplicate, or parallel publications***

The author should not publish manuscripts describing essentially the same research in more than one journal or primary publication. Simultaneous submission of the same manuscript to more than one journal constitutes unethical publishing behavior and is unacceptable. As a rule, the author should not submit a previously published article for consideration in another journal.

#### ***Confirmation of sources***

Authors should be given proper recognition of the work of another author. Authors should refer to publications that have played an important role in determining the nature of the reported work. Information obtained privately, such as in conversations, correspondence, or discussions with third parties, should not be used or communicated without the explicit written permission of the source. Information obtained in the course of confidential services, such as reviewing manuscripts or grant applications, should not be used without the explicit written permission of the author of the work related to these services.

#### ***Authorship of the article***

Authorship should be limited to those who have made significant contributions to the concept, design, execution, or interpretation of the reported research. All those who have made significant contributions should be listed as co-authors. If there are others who have participated in certain essential aspects of the research project, they should be recognized or listed as participants. The author must ensure that all co-authors are included in the document without including inappropriate individuals. The final version of the document must be reviewed and approved by all co-authors, followed by an agreement and its submission for publication.

#### ***Risks and people or animals as a subject of research***

If the work uses chemicals, procedures, or equipment that have any hazards inherent in their use, the author should clearly indicate them in the manuscript. If items of animal or human origin are used in the work, the author must ensure that the manuscript contains a statement that all procedures have been carried out in accordance with the relevant laws and institutional guidelines and that the relevant institutional committees have approved them. Authors should include in the manuscript a statement that informed consent has been obtained for experiments with humans. The right to inviolability of private life of people should always be respected.

#### ***Disclosure and conflict of interest***

All authors must disclose in their manuscript any financial or other significant conflict of interest that may be interpreted as affecting the results or interpretation

of their manuscript. All sources of financial support for the project must be disclosed.

### ***Fundamental errors in published works***

If the author finds a significant error or inaccuracy in his published work, the author must immediately notify the editor of the journal or publisher and cooperate with the editor to withdraw or correct the article. If the editor or publisher learns from a third party that the published work contains a significant error, the author must immediately withdraw or correct the article or provide the editor with proof of the correctness of the original article.

### ***Editorial responsibilities***

These guidelines are based on existing COPE best practice guidelines for journal editors.

### ***Publication of decisions***

The journal editor is responsible for deciding which of the articles submitted to the journal should be published. Confirmation of the work in question and its importance to researchers and readers should always determine such decisions. The editor may be guided by the editorial policy of the journal and be limited to such legal requirements, which then come into force in relation to libel, copyright infringement and plagiarism.

### ***Justice***

The editor must evaluate manuscripts for their intellectual content without regard to the authors' race, gender, religious beliefs, ethnic origin, citizenship, or political philosophy.

### ***Privacy***

The editor and any editorial staff should not disclose any information about the submitted manuscript to anyone other than the relevant author, reviewers, potential reviewers, other editorial consultants, and the publisher, as appropriate.

### ***Disclosure and conflict of interest***

Unpublished materials disclosed in the submitted manuscript should not be used in the editor's own research without the written consent of the author. Privileged information or ideas obtained in the course of reviewing should be kept confidential and not used for personal purposes. Editors should disavow themselves (i.e. ask a co-editor, associate editor, or other member of the editorial Board instead of reviewing and reviewing) to review manuscripts in which they encounter a conflict of interest as a result of a competitive, collaborative, or other relationship or Association with any of the authors, companies, or (possibly) institutions related to securities. Editors should require all authors to disclose relevant competing interests and publish corrections if competing interests are discovered after publication. If necessary, other appropriate actions should be taken, such as publishing a review or expressing concern.

This section is based on the materials of the publishing house of scientific literature Elsevier (<https://www.elsevier.com/>) and materials of the international Committee on publication ethics COPE (<https://publicationethics.org/>)

## CONDITIONS OF PUBLICATION

For publication in the journal "Bulletin of the Karaganda University. Physics series" accepts articles in Kazakh, Russian and English containing the results of fundamental and applied research in the field of publishing scientific articles on current areas of fundamental and applied research in the field of condensed matter physics, Thermophysics and theoretical heat engineering, technical physics, devices and experimental methods, methods of teaching physics.

Only materials corresponding to the profile of a scientific periodical are accepted for publication. They should be relevant, new, and have scientific and practical significance.

The scientific article should contain the results of original scientific research previously unpublished and not intended for publication in other publications. Verification of scientific articles for plagiarism is carried out by the Executive Secretary of the journal series in accordance with the "Regulations on checking educational, scientific, for plagiarism". The author of a scientific article provides it in electronic form within the time limits set by the publication schedules of journals and in accordance with the requirements for scientific articles. Scientific articles Are checked for borrowings using the "anti-plagiarism" system (strikeplagiarism.com link <https://strikeplagiarism.com/en/>, <http://www.antiplagiat.ru> or <https://www.etxt.ru/antiplagiat/> ).

Scientific articles submitted for publication in scientific publications must be at least 70% of the original text. If the article does not meet the standard of originality of the work, the article is sent for revision with a printout of the verification report. If the article is not corrected or after revision it does not meet the standards of originality, the editorial Board decides not to publish it.

Further, the scientific article is reviewed by at least two independent scientists or specialists on the relevant topic who are not members of the editorial Board.

Articles are reviewed within 30 working days from the date of receipt of the article by the editorial Board. The decision to publish an article in the journal is made upon receiving a positive review.

The editorial Board has the right to reject articles that, in its opinion, do not meet the requirements of the journal. The reason for rejection of the article may be its lack of relevance, lack of scientific novelty.

If the article is rejected, the editorial Board reserves the right not to discuss the reasons for the rejection. If the article is rejected, this article is not submitted for review by the editorial Board for the second time.

Materials received by the editorial office are not subject to return.

### *General requirements for manuscripts*

*Novelty.* The author's material reflecting the results of scientific research should contribute to the development of the field of sociological knowledge in which this material is prepared. The author's material, which has an educational and methodological orientation, should contain new approaches, methods, and training technologies.

*Logical presentation of the material.* The text of the manuscript should be structured in such a way that readers understand the purpose and objectives, the

theory and methodology of the research, the results obtained by the author and the author's contribution to the development of a particular field of scientific knowledge. Materials teaching character must contain a rationale for the use in the educational process of the invention detailed description of its content, a characteristic contribution to the teaching of specific discipline.

*Completeness of the manuscript.* The author's conclusions should be justified and should not be preliminary or contain generalizations that reflect well-known results.

*Style of presentation.* The text of the manuscript should be written in an academic scientific style and presented in competent English. All borrowed and little-known terms should be explained. It is recommended to avoid ambiguity of statements and ambiguity of interpretation of basic concepts.

### **Requirements for the design of articles**

The volume of the article, including the bibliography, should not exceed 15 pages of text typed on a computer (Microsoft Word editor), the minimum volume of the article is 4 pages.

The margins of the manuscript should be: top and bottom - 25 mm, left and right - 20 mm; font - TimesNewRoman, size - 11 PT; line spacing - single; alignment - width; paragraph indent - 0.8 cm.

The article material is designed in accordance with GOST 7.5-98 "Magazines, collections, information publications. Publishing design of published materials".

The Structure of the article includes the following sections:

- *Title:* includes a separate line on the left of the UDC index, information about the authors (initials and surname, name of the institution or organization, city, country, e-mail of the author responsible for correspondence with the editor), the title of the article;

- *Abstract:* issued in accordance with GOST 7.9-95 "Abstract and abstract. General requirements». Mandatory components of the annotation: informative (volume – 180-200 words); originality (the novelty of the article); content (the main content of the article and research results); structured; conclusions. The abstract is provided in English, Kazakh and Russian;

- *Keywords:* at least 8-10 main terms or short phrases that are used in the article. Keywords are provided in English, Kazakh and Russian. Abstract and keywords in the language of the article precede the main text of the article, annotations and keywords in other languages are placed after the article bibliographic list;

- *Introduction:* justification of the relevance and degree of development of the topic (a brief review of the scientific literature on the research topic is possible); formulation of the research problem; description of the object and subject of research, goals and objectives of the article; a brief description of its structure.

- *Methods and materials (Experimental):* description of the methods and materials used in the study, including methods for collecting, processing and analyzing data; characteristics of the sample (if a sample study is used);

- *Results and Discussion:* description and interpretation of the results obtained with figures, tables, graphs, and drawings;

- *Conclusions*: formulation of conclusions based on the results obtained; comparison of the results obtained with existing results on this topic; assessment of the scientific novelty and practical value of the results obtained.

- *Acknowledgments*: if there is a source of research funding (grants, state budget programs) information about it is specified;

- *References*: the bibliographic list should be drawn up twice:

- "List of references" - in the original language of sources (Kazakh, Russian and other non-English languages) is made in accordance with GOST 7.1-2003 "Bibliographic record. Bibliographic description. General requirements and rules of compilation". Links to sources in a language that uses the Cyrillic alphabet must be transliterated in Latin letters;

- "References" – in English (issued in accordance with the international bibliographic standard APA(<http://www.bibme.org/citation-guide/APA/book>)).

The first reference in the text to literature should have the number [1], the second — [2] , etc.in order. When referring to a result from a book, specify its number from the list of references and (separated by a semicolon) the number of the page where this result is published. For example: [8; 325]. Links to unpublished works are not allowed;

- *Information about authors*: includes the following elements: first name, patronymic and last name; academic title, academic degree; position or profession; place of work (name of institution or organization, locality); name of the country (for foreign authors); email address (e-mail).

Sections of the article should be consistent with each other, from the text of the article should be clear research hypothesis (research question), methodology and methods of research, results of research and their contribution to the development of the industry of sociological knowledge within which the study was conducted.

All abbreviations and abbreviations, with the exception of well-known abbreviations, must be deciphered when they are first used in the text.

The article numbers only those formulas that are referenced in the text.

Tables, figures, and formulas should not contain discrepancies in the designation of symbols and signs. Drawings should be clear, clean, and not scanned. Figures and tables should be referenced in the text.

Before submitting articles to the journal must be carefully checked General spelling materials, a spelling of relevant terminology and formatting text and links.

Presenting the text for publication in the journal, the author guarantees correctness of all information about himself, the absence of plagiarism and other forms of illegal borrowing in the manuscript of the work, proper execution of all borrowings of text, tables, diagrams, illustrations.

*Articles written in violation of the rules or containing a large number of grammatical and spelling errors, automatic translation into English, are not accepted by the editorial Board and will be returned to the authors without their consideration on the merits.*

*The editorial Board has the right, if necessary, to request additional experimental data (for example, spectra) from the authors.*

*Regardless of the results of the initial review, the article can be rejected or returned for revision at any stage of the work if gross errors, extensive borrowings or erroneous citations are found.*

**Cost of publishing an article in the journal:**

1. for authors of E.A.Buketov University of Karaganda (teaching staff, undergraduates, doctoral students) **5000 tenge**
2. For authors of third-party organizations in the series included in the international database "Web of Science": "Chemistry", "Physics", "Mathematics" **15,000 tenge**
3. Authors with an h-index greater than 10 Will not be Charged.

**PROCEDURE FOR REVIEWING AND PUBLISHING ARTICLES**

The editorial Board of the journal accepts articles containing the results of original research in the form of complete articles, as well as author's reviews on topical issues of physical science in the following sections of the journal: condensed matter physics, Thermophysics and theoretical heat engineering, technical physics, devices and experimental methods, methods of teaching physics. Materials that do not correspond to this topic are not accepted for consideration. The materials of the article should be open. The presence of a restrictive label serves as a basis for rejecting the material from the open publication.

Articles are accepted by the editorial Board through the online system for submitting and reviewing articles, as well as by e-mail [physics-vestnik.ksu@mail.ru](mailto:physics-vestnik.ksu@mail.ru).

Authors should send to the editorial office an electronic file of the article, designed in accordance with the requirements (see <https://physics-vestnik.ksu.kz/regulations>).

A manuscript of a scientific article submitted to the editorial office of the journal undergoes the initial review procedure for compliance with the journal's profile, editorial requirements, and design rules. At this stage, the article (the entire article file, with all output data, annotations and keywords in three languages, references, information about authors) is also checked for the presence of borrowed text through the system "Strikeplagiarism.com" and "Antiplagiat.ru". If comments on the subject, design, or originality are found, the article is returned to the authors without review, and the author receives a corresponding notification.

The article corresponding to the journal profile and publication requirements is accepted for review and sent for review.

*Reviewing* manuscripts of scientific articles in the magazine is made in order to ensure the quality of published articles, correctness and reliability of the presentation of results, maintain a high scientific-theoretical level of the publication, as well as the selection of the most relevant and practically important scientific works. All materials submitted for publication in the journal are subject to review.

Reviewers are appointed by the editor-in-chief who are specialists in the relevant field of research, from among the leading specialists in the article's profile.

The review is carried out by the method of double-blind peer review. All reviewers must adhere to the requirements for the ethics of scientific publications, be objective and unbiased.

The reviewer evaluates the article for the relevance of the topic and scientific novelty, the appropriateness of the methods used by the authors, the reliability of the results obtained, as well as its structure and style of presentation (quality of translation into English). All comments and suggestions to the article are made in the review.

The reviewer can make the following recommendations for publication of the article:

1. "the Article can be recommended for publication" - if the manuscript does not contain errors, meets the requirements of relevance and originality of scientific research. In this case, the manuscript is included in the list of prospective publications in the journal;

2. "the Article may be recommended for publication if it is finalized in accordance with the reviewer's comments." In this case, the article is sent to the authors for revision. After receiving the revised text, the editorial Board sends the article for review by the reviewer again. If the reviewer still has significant comments on the article, the article is rejected by the editorial Board without the right to further revision.

3. "the Article cannot be recommended for publication". In this case, the article is either rejected by the editorial Board or sent for re-review, which is possible only once for this article.

If the comments made by the reviewer are eliminated, the article is sent to the author for revision. The editorial Board reserves the right to refuse publication to the author who wishes to ignore the reviewer's comments. The reviewer also has the right to conduct an additional check on the use of borrowings in the text of the publication through available Internet search engines.

The review period in each individual case is determined taking into account the order of preparation of the journal issues, as well as creating conditions for the most rapid publication of the article.

After receiving reviews, the issue of received articles is considered at the next meeting of the editorial Board and a final decision is made on whether to publish the article or refuse to publish it based on the reviewers' conclusions. Based on the decision, the authors are sent a letter on behalf of the editorial Board to the email address of the author responsible for the correspondence.

*Prepress preparation* of an article for publication is mandatory and consists of literary and technical editing, monitoring compliance with the accepted standards of design and Rules for publishing articles in the journal. The editorial Board may not agree with the authors on literary or technical corrections of articles. The editorial Board does not enter into discussions with the authors of articles.

## ARCHIVING AND AVAILABILITY

Authors can view the contents of the journal issues on the website <https://physics-vestnik.ksu.kz/> on the Archive page, number contents, annotations and keywords – on the site <https://physics-vestnik.ksu.kz/archive>.

Decided:

1. To Approve the following purpose and thematic direction of the journal "Bulletin of the Karaganda University. Physics series".

Scientific editor of the "Physics series"



Khassenov A. K.

Executive Secretary  
of the Series



Karabekova D. Zh.