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NJSC «L.N. Gumilyov Eurasian National  
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Zh. Kurmangaliyeva

« 10 »

2026

**EDITORIAL POLICY OF THE JOURNAL  
«BULLETIN OF THE L.N. GUMILYOV EURASIAN NATIONAL UNIVERSITY.  
PHYSICS. ASTRONOMY SERIES»**

**1. The purpose of the journal**

The purpose of the journal is to publish carefully selected original scientific papers in all areas of theoretical and experimental research in physics and astronomy.

**2. Objectives of the journal**

- publication of materials on the most promising areas of international science with the aim of widely involving students, teachers and employees of research institutes in Kazakhstan in these studies;
- to provide domestic and foreign authors of publications with high-quality and professional editorial and publishing services;
- to ensure wide dissemination of new ideas and research results at national and international level;
- to make a significant contribution to the development of higher and postgraduate education in Kazakhstan;
- promoting the practical implementation of the latest achievements of modern science.

**3. Journal direction and frequency**

Subject area: Physics, Astronomy.

Publication languages: Kazakh, Russian, English.

Frequency: 4 times a year.

**4. Open access policy**

The journal articles are directly accessible to all to those who wish (link to the archive of articles <http://bulphysast.enu.kz/article/archive/index>) based on the principle that free open access to research results contributes to the increase of general knowledge.

**5. Archiving**

Electronic versions of the scientific journal are provided to NCSTE JSC for the formation of the fund and inclusion in the electronic library.

The Bulletin archives materials in Elibrary.ru.

**6. Publication conditions**

All manuscripts received by the editorial board of the journal «Bulletin of the L.N. Gumilyov Eurasian National University. Physics. Astronomy Series» undergo mandatory anonymous review. Final decisions are made based on the reviews received.

Article review procedure:

6.1. The manuscript sent (see the instructions for online submission of manuscripts for articles posted on the journal's website <http://bulphysast.enu.kz>) by the author is sent to the journal's editorial board. The editor-in-chief and deputy editor-in-chief check the manuscript for compliance with the

subject of the journal, after which the technical secretary checks it for compliance with technical requirements. Together with the manuscript, the author sends a cover letter to the journal's editorial board (see cover letter template Appendix 1) on the independent nature of the submitted manuscript, consent to the article being checked for plagiarism, inclusion in various databases and information systems, including full-text versions, in the event of publication and the granting of exclusive rights to the publisher.

6.2. The technical secretary checks the manuscript:

- for independence execution through a licensed automatic plagiarism checking system «Antiplagiat BY3» (<https://antiplagiat.enu.kz/>);
- for the use of artificial intelligence (AI) tools - using the Turnitin system <https://turnitin.enu.kz>).

Based on the results of automatic verification of the manuscript for plagiarism and the use of AI, a complete electronic verification report is downloaded. Articles that do not receive a satisfactory result (75% originality and more than 40% of AI usage) are not accepted for further consideration. The technical secretary notifies the main author/correspondence author of this.

The technical secretary sends the article, which has passed the required threshold of originality, to the editor-in-chief. The editor-in-chief reviews the article for compliance with the journal's subject matter. In case of non-compliance, the journal's editorial board sends the author a letter justifying the refusal to publish. On average, the initial review of an article takes 7-14 days.

6.3. Then, the editor-in-chief selects a reviewer, scientist or specialist in the relevant subject matter, for each article that has passed the initial selection.

6.4. The journal's executive secretary sends the manuscript with a full plagiarism check report to the reviewer to determine the possibility of publishing the article in the journal.

6.5. The journal uses a single-blind peer review procedure, where the editors do not disclose the names of the reviewers. The reviewer provides the editors with a reasoned review of the article, including the relevance of the topic being studied, the author's contribution to the scientific field, and the level of the results obtained. All reviews contain a recommendation for the article to be published (with or without revisions) or rejected. All reviews are sent to the editorial board of the journal.

6.6. The executive secretary sends the reviews to the editor-in-chief. In the event that a review is received for revision with the consent of the editor-in-chief technical secretary sends a review of the article to the author with the note "revise the article according to the reviewer's comments." In this case, the author must provide a corrected version of the article as soon as possible. Then the edited version of the article is sent to the reviewer for re-examination. This process is repeated until the reviewer's final decision on the article is received. In case of agreement with the reviewer's comments, but an unfair approach to correcting them (after the third submission of the manuscript without fully eliminating the comments), the manuscript is rejected. In case of disagreement with the reviewer's comments, the author/authors send a letter with justification to the editor-in-chief of the journal. The editor-in-chief, having reviewed the author/authors' appeal, makes a decision.

6.7. All reviews and the editorial board's decision on the article are sent to the main the author (or corresponding author) specified in the metadata when submitting the article. All materials on the article (the final version of the article, reviews, plagiarism report and other documents, if any) are submitted to the editorial board meeting. The decision on the possibility of publishing an article in the journal is made by the editorial board of the journal based on the reviewers' feedback. Articles that have received a negative review and are rejected by the editorial board are not accepted for re-consideration. If controversial issues arise, the editor-in-chief of the journal makes the final decision on the articles.

6.8. Publication is carried out in the general queue, as the material is ready. The editors have the right to form a queue in accordance with the headings of the issues being prepared.

**7. The journal's editorial board may decline to publish a submitted article under the following conditions**

- the article's originality level is below 75%;

- AI usage rate exceeds 40%;
- the receipt of two negative peer reviews;
- failure to make necessary revisions after receiving recommendations from reviewers;
- njn-compliance of the article with the technical requirements outlined in the journal's editorial policy;
- detection of uncredited fragments in the text generated using AI during the originality check;
- one author is represented in more than one publication in the same journal issue, meaning articles where the same author is listed multiple times in one issue will not be accepted for publication.

## **8. Guidelines for authors when submitting articles to the journal «Bulletin of the L.N. Gumilyov Eurasian National University. Physics. Astronomy Series»**

The editorial board of the journal asks authors to familiarize themselves with the rules (the editorial policy of the journal, which contains general information about the journal, the procedure for reviewing articles, guidelines for authors, and publication ethics) and to adhere to them when preparing papers submitted to the journal. Deviation from the established rules will delay the publication of the article.

8.1. The submission of an article to the editorial office implies the author(s)' consent to grant exclusive rights to L.N. Gumilyov Eurasian National University, the publisher of the journal «Bulletin of the L.N. Gumilyov Eurasian National University. Physics. Astronomy Series» for an indefinite period.

8.2. The manuscript files in Word format, prepared using the original style file of the journal, are submitted to the editorial office (via the online submission system). The style file can be downloaded from the journal website [www.bulphysast.enu.kz](http://www.bulphysast.enu.kz). Detailed information on online article submission can be found on the website. The author(s) must also provide a cover letter (also attached in the system). The article files must be named with the first 4-5 words of the article title.

8.3. The article should not exceed 16 pages (from 6 pages). The abstract, keywords, list of references, references, information about the author(s) in Kazakh, Russian and English are not included in the calculation of the article size. Works exceeding the specified size are accepted for publication in exceptional cases by decision of the editor-in-chief of the journal.

8.4. The text of the work begins with the **rubricator IRSTI** (International Rubricator of Scientific and Technical Information; determined by the link [http:// grnti.ru/](http://grnti.ru/)), then follow the surname and initials of the author(s), the full name of the organization, city, country, author(s)' e-mail, article title, abstract, keywords.

**Authors.** After IRSTI, there should be a list of author (surname and initials), the full name of the organization, city, country (if authors work in different organizations, the same icon must be placed next to the last name of the author and the corresponding organization; author(s)' e-mail — in brackets, italics; article title — center alignment, bold) through the line. **The number of authors is no more than 8.**

8.5. **The abstract** should be between 150 and 300 words, must not include complex formulas, should not repeat the article's title in its content, and should not contain references to the main text or the bibliography. It should provide a concise summary of the article's content, highlighting its unique features while preserving the **article's structure**.

8.6. **Key words** (no more than 5-7 words or phrases) should reflect the main content of the article; define the subject area of the study; appear in the text of the article. Key words are separated from each other by a semicolon.

8.7. Articles should contain the following information as much as possible (the inclusion and completeness of the information is determined by the reviewers and editors of the journal):

- *necessary designations and definitions to ensure understanding of the text of the article;*
- *statement of the problem, the solution of which is the subject of the article;*
- *historical information on the formulation of the problem with the corresponding full references;*

- *to who and when the results preceding the topic of the article were obtained;*
- *justification of the necessity and relevance of the article's task as the most important part any scientific work;*
- *a precise formulation and description of the solution to the problem presented in the article;*
- *a detailed justification of the novelty of the result(s) of the article in the context of what was previously known;*
- *the solution to the problem must be provided with detailed justifications (proofs).*

If at least one of these requirements is not met, the article will not be accepted for consideration.

8.8. **Tables** are included directly in the text of the work, they must be numbered and accompanied by a reference to them in the text of the work. Figures and graphs must be presented in one of the standard formats: PS, PDF, TIFF, GIF, JPEG, BMP, PCX. Bitmaps must be done with a resolution of 600 dpi. All details must be clearly conveyed in the figures.

8.9. The sections «**The contribution of the authors**», «**Funding**» and «**Acknowledgements**» are placed after the «**Conclusion**» section.

8.10. The artificial intelligence (AI) usage declaration.

Authors who used artificial intelligence (AI) tools in the preparation of the manuscript are required to include an AI usage declaration after the section «Acknowledgements» or before the list of references.

The declaration must indicate:

- AI tool's name,
- version,
- purpose and stage of use.

Example declaration: **Statement on the use of generative AI and AI-enabled technologies in the manuscript preparation process**

In preparing this work, the author (s) used [TOOL/SERVICE NAME] for [REASON]. After using this tool/service, the author (s) reviewed and edited the content as needed and are solely responsible for the content of the published article.

8.11. **The list of references** should contain only those sources (numbered in citation order or in English alphabetical order) that are referenced in the text of the work. References to unpublished works, the results of which are used in evidence, are not allowed.

Examples of formatting of references (according to **APS (American Physics Society) Referencing Style**):

a) С. М. Воронин, А. А. Карацуба, *Дзета-функция Римана*, 2-е изд. (Физматлит, Москва, 1994), с. 40-60. - **book**

b) Е. А. Баилов, М. Б. Сихов, Н. Темиргалиев, *Об общем алгоритме численного интегрирования функций многих переменных*, Журнал вычислительной математики и математической физики 54, с. 1059-1077 (2014). <https://doi.org/10.1016/j.atmosenv.2018.01.005> - **journal article**

с) А. Ж. Жубанышева, Ш. Абикенова, *О нормах производных функций с нулевыми значениями заданного набора линейных функционалов и их применения к поперечниковым задачам*, Функциональные пространства и теория приближения функций: тезисы докладов Международной конференции, посвященной 110-летию со дня рождения академика С.М.Никольского (Москва, Россия, 15-20 марта, 2015), с.141-142. - **proceedings, conferences**

d) В. А. Кыров, Г. Г. Михайличенко, *Аналитический метод вложения симплектической геометрии*, Сибирские электронные математические известия 14, с. 657-672 (2017), doi: 10.17377/semi.2017.14.057, доступно по адресу: <http://semr.math.nsc.ru/v14/p657-672.pdf>. (дата обращения: 08.01.2017). - **electronic journal**

e) К. Джонсон, *Политика в области возобновляемых источников энергии*, доступно по адресу: <https://www.energyexample.com> (дата обращения: 12 декабря 2024 г.). – **internet resource**

8.12. After the list of references, it is necessary to indicate **bibliographic data** (title of the

article, initials and surname of the author(s), full name of the organization, city, country, e-mail of the author(s), title of the article, abstract, keywords) in Russian and English (if the article is written in Kazakh), in Kazakh and English (if the article is written in Russian), and in Russian and Kazakh (if the article is written in English).

8.13. Then comes a **combination of the English and transliterated parts of the bibliography**. Transliteration is provided using an online translator at the link <http://translit-online.ru/>. This online translator does not transliterate specific letters of the Kazakh alphabet. Here, after transliterating the Kazakh text, the authors must make adjustments, guided by the following rules: ə - a, ғ - g, Һ - n, ө - o, ұ - y, ы - y, к - k, і - i

An example of a combination of English and transliterated parts of a bibliography:

- a) S. M. Voronin and A. A. Karatsuba, *Riemann Zeta-Function*, 2nd ed. (Fizmatlit, Moscow, 1994), p. 40-60. - **book**
- b) E. A. Bailov, M. B. Sihov, N. Temirgaliev, *Ob obshchem algoritme chislennogo integrirovaniya funkciy mnogih peremennyh [About the general algorithm for the numerical integration of functions of many variables]*, Zhurnal vychislitel'noj matematiki i matematicheskoy fiziki 54 [Journal of Computational Mathematics and Mathematical Physics 54], p. 1059-1077 (2014). <https://doi.org/10.1016/j.atmosenv.2018.01.005> - **Journal article**
- c) A. Zh. Zhubanysheva, Sh. Abikenova, *O normah proizvodnyh funkciy s nulevymi znacheniyami zadannogo nabora linejnyh funkcionalov i ih primeneniya k poperechnikovym zadacham [On the norms of derivatives of functions with zero values of a given set of linear functionals and their application to transverse problems]*, Funkcional'nye prostranstva i teoriya priblizheniya funkciy: Tezisy dokladov Mezhdunarodnoj konferencii, posvyashchennoj 110- letiyu so dnya rozhdeniya akademika S.M.Niko'l'skogo [Functional spaces and theory of approximation of functions: Abstracts of the International Conference dedicated to the 110th birthday of Academician S.M. Nikolsky] (Moscow, Russia, March 15–20, 2015), p. 141–142.- **Proceedings of the conferences**
- d) V. A. Kyrov, G. G. Mihajlichenko, *Analiticheskij metod vlozheniya simplekticheskoy geometrii [The analytical method for embedding symplectic geometry]*, Cibirskie elektronnye matematicheskie izvestiya 14 [Siberian Electronic Mathematical News 14], p. 657-672 (2017), doi: 10.17377/semi.2017.14.057, available at: <http://semr.math.nsc.ru/v14/p657-672.pdf>. (accessed: 08.01.2017). - **Electronic journal**

If the source has an official translation and is also published in English, then the official translation in English must be included in the combination of the English and transliterated parts of the bibliography.

For example, article -

Е. А. Баилов, М. Б. Сихов, Н. Темиргалиев, *Об общем алгоритме численного интегрирования функций многих переменных*, Журнал вычислительной математики и математической физики 54, с. 1059-1077 (2014).

has an official translation by -

E.A. Bailov, M.B. Sihov, N. Temirgaliev, *General algorithm for the numerical integration of functions of several variables*, Computational Mathematics and Mathematical Physics 54, p. 1059-1077 (2014).

Below is information on each of the authors (academic title, office address, telephone, e-mail in Kazakh, Russian and English).

## 9. Publication ethics

Editorial policy of the journal «**Bulletin of the Eurasian National L.N. Gumilyov University. Physics. Astronomy Series**» is focused on traditional ethical principles of scientific periodicals, as set out in the Guidelines for principles of scientific publication ethics for journal editors of the Committee on Publication Ethics (Committee on Publication Ethics: COPE, Promoting integrity in scholarly research and its publication | COPE: Committee on Publication Ethics), mainly, containing the following requirements:

### **1) For authors:**

• **Submitting articles to the editors means the authors' consent to the right of the Publisher, L.N. Gumilyov Eurasian National University, to publish articles in the journal and republish them in any foreign language. By sending a manuscript to the editors, the author(s) guarantee** that they do not violate anyone's copyright. The authors grant the publisher of the journal, L.N. Gumilyov Eurasian National University, exclusive rights for an unlimited period:

– the right to reproduce the Work (publication, disclosure, duplication, distribution or other reproduction of the Work) without limiting the circulation of copies, the right to distribute the Work in any way. In this case, when reproducing, each copy of the work will contain the name of the author(s) of the Work;

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• The authors agree that the territory in which the use of rights to the Works is permitted is not limited.

• The author(s) also grant the publisher of the journal the right to store and process their personal data without time limitation (last name, first name, patronymic, education details, place of work and position held). Personal data is provided for storage and processing in various databases and information systems, including them in analytical and statistical reporting, creation of substantiated relationships between objects of works of science, literature and art with personal data, etc.

• The author(s) are fully responsible for the unauthorized use of intellectual property objects, copyright objects in a scientific article in accordance with the current legislation of the Republic of Kazakhstan.

• The author(s) give their consent to the verification of the Work for plagiarism by the publisher of the journal.

• The author(s) confirm that the submitted Work has not been published anywhere before, has not been submitted, and will not be submitted for publication elsewhere scientific publications.

• The author is familiar with the editorial policy of the journal, which contains general information about the journal, the procedure for reviewing articles, guidelines for authors, publication ethics.

### **2) For reviewers:**

The journal uses a double-blind peer review process. As a result, the reviewer should only review the results of the studies received.

• Each manuscript submitted for review is considered a confidential document. The reviewer may not use any materials contained in the submitted manuscript in their publications. The reviewer may forward the material to third parties only with the permission of the editor-in-chief,

• The reviewer must provide the editors with an objective assessment of the work and, if necessary, suggest options for improving the submitted material.

• The reviewer must refuse to review the material, notifying the editors of this, if he/she is not an expert on the topic of the material.

• The reviewer must evaluate the intellectual content of manuscripts regardless of the gender, nationality, religion and other personal qualities of the author/authors.

### **3) For editors:**

The editor-in-chief and members of the editorial board undertake

• pay special attention to the quality of the articles, participate in the meetings of the editorial board of the journal, always express your reasoned decision on agreement (or disagreement) with the decisions of the reviewers on the article, make decisions on determining the content of the journal issues,

- to work on expanding the geographical diversity of authors, to invite specialists working in different organizations and countries to publish,
- evaluate the intellectual content of manuscripts regardless of the gender, nationality, religion and other personal qualities of the author/authors,
- do not to consider manuscripts if they have interests resulting from competitive, collaborative, or other interactions or relationships with authors or organizations associated with the manuscript.

#### **4) Editor-in-chief:**

- determines reviewers (scientists or specialists in the relevant subject) for each received article that has passed the initial selection for compliance with technical requirements,
- based on the feedback from reviewers and discussion of the material at a meeting of the editorial board of the journal to determine the content of the current issue, makes the final decision on the publication of the received material.

#### **5) Editorial:**

The editorial board of the journal works directly with the authors of the articles and does not work with agencies to provide services to authors for the publication of their scientific research results.

The editorial board undertakes to make decisions as soon as possible upon detection of unethical behavior of authors, editors and reviewers. Unethical behavior of authors includes falsification of the list of authors, publication of pseudoscientific texts, their falsification and fabrication, manipulation of citations, illegal borrowing (plagiarism), parallel provision of material to other publications.

Unethical behavior of reviewers and editors of the journal includes transferring article texts to other journals without the consent of the authors, transferring authors' materials to third parties, violating copyright, the principle of confidentiality of editorial processes, as well as supporting materials due to the presence of interests due to competitive, collaborative and other interactions and relationships with authors and organizations associated with the manuscript.

In the event of complaints regarding the manuscripts reviewed or the published materials, the editorial board undertakes to take adequate countermeasures: first of all, the author of the article is asked for clarification. The investigation is carried out only if the author gives an unsatisfactory response.

Possible situations of violation of the norms of ethical conduct of authors, editors and reviewers, not specified above, will be resolved on the basis of the guidelines on the principles of ethics of scientific publications of the Committee on Publication Ethics ([Committee on Publication Ethics: COPE, Promoting integrity in scholarly research and its publication | COPE: Committee on Publication Ethics](#)).

The editorial board provides the editor-in-chief, members of the editorial board and editorial council, and reviewers with the opportunity to publish in the journal, but they cannot take advantage of their position. All articles, including articles by editors-in-chief of special issues, also undergo the review procedure of the journal's editorial board and are considered at a meeting.

In case of detection of errors (typos in formulas, in indicators for technical reasons) in published articles, information on corrections can be placed in subsequent issues.

### **10. Retraction of articles**

If unethical behavior of the author(s) is detected during the review of the manuscript or its pre-press preparation, the editors have the right to remove the manuscript from further consideration and terminate cooperation with the author. If unethical behavior of the author is detected after the publication

- plagiarism, fabrication or falsification of data;
- unfair borrowing of ideas, methods or research results;
- manipulation of authorship, withholding information about authors or conflicts of interest;
- violation of the principles of correct and conscientious citation;

- republishing (duplicating) results without appropriate indication;
- engagement of brokerage or intermediary services in the writing and submission of manuscripts;
- other forms of ethical dishonesty,

the editorial board has a right to decide to retract (remove, recall) the article both from the journal's website and from the archiving and scientific indexing databases, notifying other journals (in which the article was published in parallel) of the unethical behavior of the author(s). The editorial board undertakes not to make unfounded decisions to cancel publication (retract), unless serious problems are discovered in connection with their publication (unethical behavior of the author, errors, etc.). In these cases, the published article is subject to retraction. The retraction procedure involves:

- publication of the retraction notice in the electronic and (if any) printed version of the journal;
- mark «RETRACTED» in the article metadata with the reason for retraction;
- exclusion of the article from scientific circulation as a reliable source, while maintaining its archival availability with appropriate marking.

All payments made by authors for publishing an article are **non-refundable**.

### **11. Use of Brokerage or Intermediary Services**

The journal does not accept for consideration manuscripts that have been written, submitted, or managed through brokerage or intermediary services.

The use of third parties who guarantee publication or act as intermediaries between the authors and the editorial office is considered a violation of publication ethics and may result in rejection of the manuscript or retraction of the published article.

### **12. Use of artificial intelligence**

The editorial board of the journal allow the use of artificial intelligence (AI) tools exclusively as an auxiliary tool in the preparation of manuscripts. AI can be applied to

- translation and technical editing of the text;
- improvement of sentence structure and grammar;
- auxiliary data processing and analysis.

Scientific results, data interpretation, conclusions and recommendations should be formulated by the authors themselves.

Do not use AI for:

- generating the text of the article or its main sections (abstract, introduction, methods, results, etc.);
- formation of scientific conclusions;
- creating graphs and figures.

When using AI, authors are required to provide an AI usage declaration, indicating the tool, version and purpose of use. The final decision on the permissibility and correctness of AI use is made by the journal's editorial office after reviewing the submitted materials.

### **13. Editorial office address**

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### **14. Payment**

Authors who have received a positive conclusion for publication must make payment using the details below. Payment for the publication of an article in the journal «Bulletin of the L.N. Gumilyov Eurasian National University. Physics. Astronomy Series» shall be made in

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**COVER LETTER**

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Author(s) bear full responsibility for the unlawful use of intellectual property objects and copyright objects in a scientific article in accordance with the current legislation of the Republic of Kazakhstan.

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*\*\*The cover letter of the authors who are employees of L.N. Gumilyov Eurasian National University is certified by the dean of the faculty.*