



JSC "L.N. Gumilyov
Eurasian National University"

Zh.D. Kurmangaliyeva

" 6 " 03 2025

EDITORIAL POLICY OF THE JOURNAL
"Bulletin of the L.N. Gumilyov Eurasian National University.
Chemistry. Geography. Ecology Series"

The journal aims to disseminate and promote original scientific results in current areas of theoretical and applied research in chemistry, geography and ecology in the scientific community:

The Section of Chemistry publishes original research articles and review articles on all aspects of fundamental and applied chemistry, including biological, environmental, forensic, inorganic, organic, physical and theoretical, and chemical engineering. Among other relevant topics are peer-reviewed articles and related information as a resource for chemical educators and institutions.

The Geography Section encompasses rational natural resource management and environmental protection, geographical forecasting, integrated regional development, recreational research, natural process modelling, and the advancement of geoinformation methods.

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The objectives of the journal:

1. Providing an opportunity to publish research results on relevant issues;
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3. Increasing the rating of a scientific publication in domestic and foreign specialised databases;
4. Enriching domestic and world science with new ideas regardless of geographical and institutional frameworks;
5. Developing the journal as an "open access" scientific publication;
6. Expanding the presence of the journal in international databases and open electronic resources;
7. Ensuring the availability of the journal for foreign readers - publishing an extended presentation of the essence of the study in English (Abstract), keywords (Keywords) and transliteration of the list of references in the Latin alphabet (References).

Publication languages: Kazakh, Russian, English (depending on the publication).

Frequency: 4 times a year.

Open access policy: The main principle that implements the scientific publication policy is that free open access to research results increases general knowledge.

Archiving: Electronic versions of the scientific journal are provided to JSC "NCSTE" to form a collection and include it in the electronic library. The journal archives materials in Elibrary.ru.

The editorial board of the "Bulletin of L.N. Gumilyov Eurasian National University" does not prevent its authors from posting published materials on third-party repositories.

Publication conditions: All manuscripts received by the journal's editorial board, "Bulletin of L.N. Gumilyov Eurasian National University", must meet the technical and other requirements of the publication and undergo anonymous peer review. Based on the reviews received, the journal's editorial board makes a final decision.

More than one (co-authored) publication in the same journal issue is prohibited. The author (s) are responsible for the content of the article.

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Article Review Procedure

Manuscripts are accepted continuously throughout the year. The figure shows the chronology of manuscript processing.

1. The principal author (corresponding author) registers on the journal's electronic portal, uploads materials in the form of two files, one of which should not contain information about the authors (full name, place of work, information about the authors). The manuscript sent by the author is sent to the journal's editorial board. The technical secretary checks the manuscript to ensure compliance with the technical requirements according to the template (Appendix 1). The author sends to the editorial board of the journal, along with the manuscript, a cover letter about the independent nature of the submitted manuscript, consent to check the article for plagiarism, inclusion in various databases and information systems, including full-text versions in the event of publication and granting exclusive rights to the publisher.

2. The technical secretary checks the manuscript for independent execution through a licensed automatic plagiarism check system (<https://antiplagiat.enu.kz/>). A complete electronic report on the check is downloaded based on the automatic plagiarism check results. Articles that do not receive a satisfactory result (the threshold percentage of article originality is 70%) are not allowed for further consideration. Electronic reports on verifying the manuscript for plagiarism are not provided to the authors. Previously published articles, their translations into other languages (Kazakh, Russian, English, etc.), and articles submitted for review in different journals (publications) are not accepted for consideration. The technical secretary notifies the primary author/author for correspondence about this. If the article is rejected, the editors reserve the right not to discuss the reasons for the rejection.

The technical secretary sends the article, which has passed the required threshold of originality, to the editor-in-chief (responsible editor for the subject area). The editor-in-chief (responsible editor for the subject area) reviews the article to ensure compliance with the journal's subject area. In case of non-compliance, the journal's editorial board sends the author an e-mail with the justification for refusing publication.

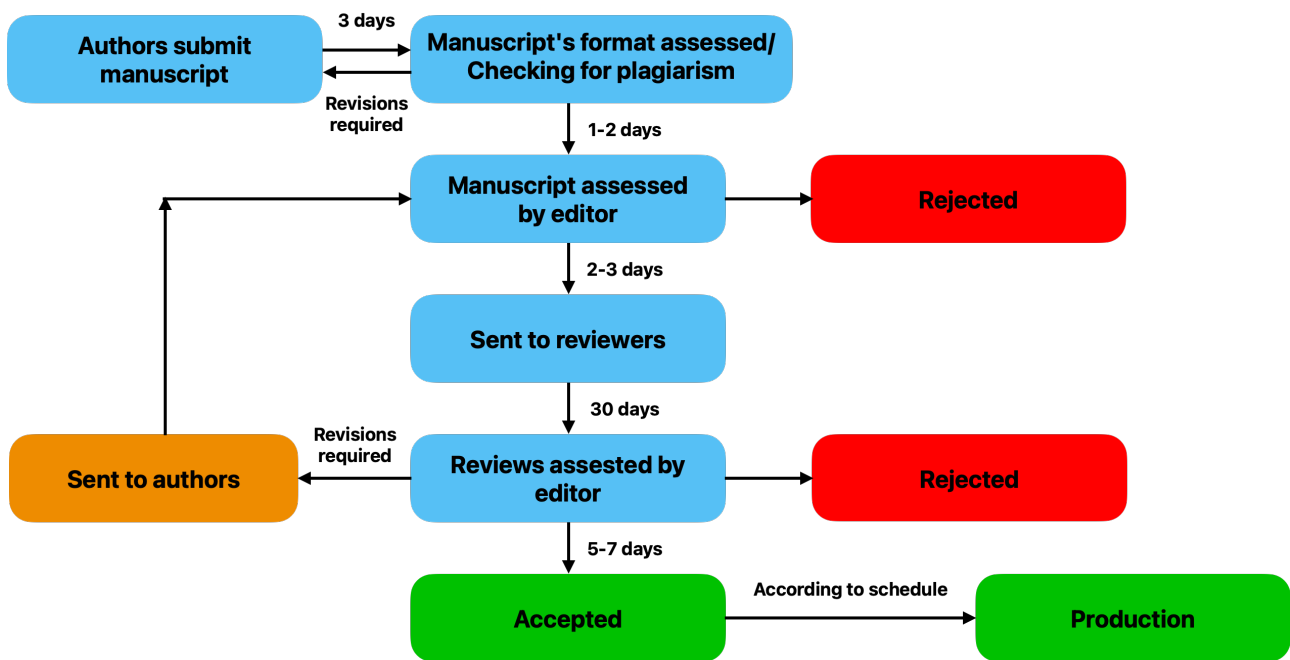


Figure. Chronology of manuscript processing

3. The editor-in-chief (the editor-in-chief for the subject area) determines two reviewers (a scientist or specialist in the relevant subject for each article) that have passed the initial selection. This procedure is carried out using the OJS (Open Journal System).

4. The technical secretary sends the manuscript to the reviewer along with a full plagiarism check report to determine whether the article can be published in the journal.

5. The journal uses a double (blind) peer review procedure: the editors do not disclose the names of reviewers and authors. Within 30 working days from the moment of receiving the article, the reviewer provides the editors of the journal with a reasoned review of the article, including an assessment of the relevance of the topic under study, the author's contribution to the scientific field, and the theoretical and practical significance of the results obtained. All reviews contain a recommendation for the publication of the article (with or without revisions) or its rejection. All reviews are submitted to the journal editors.

If a review is received for revision, the author must provide a corrected article version as soon as possible. Revision of the article should not take more than two weeks from the moment an e-mail is sent to the authors about the need to make changes. In response to the reviewer's comments, the author must provide (1) an edited file of the article in which all corrections are noted and (2) a substantiated response to the reviewer for each comment. The edited version of the article and the authors' response are sent to the reviewer for reconsideration. This process is repeated until the reviewer decides on the article. In case of agreement with the reviewer's comments but an unfair approach to their correction (after the third submission of the manuscript without eliminating the comments), the manuscript is rejected. In case of disagreement with the reviewer's comments, the author/authors send a letter with a justification to the journal's editor-in-chief. After reviewing the author/authors' appeal, the editor-in-chief decides to revise/reject the article.

If the authors do not return the revised version within two weeks from the date of sending the review, even in the absence of information from the authors refusing to revise the article. In that case, the editors can remove it from the register. In such situations, the authors are sent a corresponding notification about the manuscript being removed from the register due to the expiration of the period allotted for revision. All reviews and the editorial board's decision on the article are sent to the primary author (or corresponding author) specified in the metadata when submitting the article. All materials on the article (the final version, reviews, plagiarism report, and other documents, if any) are submitted for consideration at an editorial board meeting. The editorial board decides on the possibility of

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6. Publication is carried out in the general queue as the material is ready. The editors can form a queue based on the prepared issues' headings.

7. After determining the issue's content, the responsible secretary will proofread the article texts (Kazakh, Russian, English languages), layout, and journal circulation.

Publication Ethics

The Publication Policy of the journal “*BULLETIN of the L.N. Gumilyov Eurasian National University. Chemistry. Geography. Ecology Series*” focuses on the traditional ethical principles of scientific periodicals, set out in the Guideline for Journal Editors of the Committee on Publication Ethics ([Committee on Publication Ethics: COPE](#)), containing the following requirements:

For authors:

By sending an article to the Editorial Office, the author allows the Publisher, L.N. Gumilyov Eurasian National University, to publish the article in the journal and republish it in any foreign language. The author(s) guarantee that they do not violate any copyright.

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- The author(s) are responsible for the unlawful use of objects of intellectual property, objects of copyright in a scientific article by the current legislation of the Republic of Kazakhstan.

- The Author(s) consent to check the article for plagiarism by the journal Publisher

- The Author(s) confirm that the submitted article has not been published anywhere before, has not been sent and will not be sent for publication in other scientific journals.

- The author read the journal's Editorial Policy, which contains general information about the journal, the procedure for reviewing articles, guidelines for authors, and publication ethics.

Requirements for articles. The article:

- should be issued according to the journal requirements,

- the article should not be published or be under review in another journal,

- should contain original research results,

- should include the results only of the author(s) article (the inclusion of other persons is unacceptable). It is assumed that at the time of sending the article, all authors agree with the publication in this journal and do not object to the order of indication of the authors in the article,

- should include in the references only those peer-reviewed sources that were actually used in the research,

- should indicate all used sources (including the author(s) articles).

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Each article submitted for review is treated as a confidential document. The Reviewer cannot use unpublished article materials on his research. The reviewer can re-send material to the third person only with the permission of the Editor-in-Chief,

The reviewer should submit an objective work assessment to the editor and, if necessary, suggest options for improving the submitted material.

The reviewer must refuse to review the material, notifying the editor if he/she is not a specialist in the subject matter of the material.

1. to carry out work to expand the geographical diversity of authors, invite specialists working in different organisations and countries for publication,

2. to evaluate the intellectual content of manuscripts, regardless of gender, nationality, religion and other personal qualities of the author/group of authors,

3. do not consider manuscripts if there are interests due to competitive, joint and other interactions and relationships with authors and organisations associated with the manuscript.

For editors:

Editor-in-Chief and editorial board members undertake:

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

to work on the expansion of the geographical diversity of authors, to invite for publication specialists working in different organisations and countries,

to pay special attention to the qualitative composition of articles

to participate in meetings of the journal editorial board and make decisions on determining the content of journal issues.

Editor-in-Chief (the duties of the Editor-in-Chief are performed by the deputy Editor-in-Chief in the event of certain circumstances (business trip, unforeseen circumstances, etc.)

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- determines the content of the current issue and makes the final decision on the publication of the submitted manuscript based on the reviewers' feedback and discussion of the manuscript at the meeting of the Editorial Board.

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Suppose the unethical behaviour of the author(s) is detected while reviewing a manuscript or preparing its pre-print. In that case, the Editorial Office can withdraw the manuscript from further review and terminate cooperation with the author. In the case of unethical behaviour of the author after publishing his/her article (detection of parallel publication, copyright violation, plagiarism, etc.). The Editorial Office has the right to retract the article from the journal site and the archive and scientific indexing databases, notifying other journals (in which the article has been published in the same period) about the unethical behaviour of the author(s). The Editorial Office does not make unjustified decisions to cancel the publication (retraction) unless significant problems are found with their publication (unethical behaviour of the author, errors, etc.).

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If errors (misprints in formulas or indicators due to technical reasons) are detected in published articles, information about the corrections can be published in subsequent issues.

***Guidelines for authors when submitting articles to the journal
"Bulletin of the L.N. Gumilyov Eurasian National University"***

The journal's editorial board asks authors to familiarise themselves with the rules (the editorial policy of the journal, containing general information about the journal, the procedure for reviewing articles, and publication ethics) to comply with them when preparing works submitted to the journal.

1. Submitting an article to the editors means the author's consent to the right of the Publisher - L.N. Gumilyov Eurasian National University- to publish the article in the journal and republish it in any foreign language. More than one author (co-author) publication in the same journal issue is prohibited. The author (authors) are responsible for the content of the article.

2. The manuscript, formatted according to the technical standards and template presented on the website, is submitted to the editors through the Open Journal System (OJS).

3. Recommended article length and number of literary sources: reviews ($\geq 10,000$ words and ≥ 100 references), mini reviews (6,000 to 10,000 words and ≥ 50 references), research papers ($\geq 3,500$ words and ≥ 25 references).

4. The manuscript of the article should be structured according to the IMRAD model and divided into structural parts such as Abstract, Keywords, Introduction, Materials and methods, Results, Discussion, Conclusion and other parts following the template (Appendix 1). In the case of review articles, the article's structure is at the authors' discretion (it is recommended to title the central part and subsections).

5. The manuscript is submitted to the editors in Word format (page – A4, portrait orientation, margins on all sides – 20 mm. Font: type – Times New Roman, size (font) – 12). Other formatting conditions are in the template.

6. Tables are included directly in the work text. They should be numbered and accompanied by a reference to them in the text of the work. Figures and graphs should be presented in standard formats: TIFF, JPEG or PNG. Bitmaps must be done with a resolution of 600 dpi. All details must be conveyed in the figures. When using drawings from other sources, a link to the source (Reprinted from [18] or Adapted and Redrawn from Ref. [18]) and obtaining permission to use previously published material (Permission) is required.

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1. Introduction

The introduction should provide a concise overview that situates the study within a broader context and emphasises its significance. It should clarify the objective of the research and its relevance. A thorough review of the existing literature in the field is essential, with critical studies being referenced. Controversial and differing viewpoints should be addressed when appropriate. Lastly, the main goal of the research should be briefly stated, along with the key conclusions drawn from it. Aim to make the introduction accessible to scientists who may not be specialists in your study area. References should be given in order of appearance and indicated as Author, Year in round brackets—e.g., (Smith et al., 2009) following the APA-7th edition referencing style. See the end of the document for further details on references.

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The Materials and Methods section must provide enough detail for others to replicate the work. By publishing your manuscript, you agree to share all materials, data, code, and protocols with readers, and any restrictions should be disclosed upon submission. New methods should be detailed, while established methods can be briefly mentioned and cited.

If authors have used AI tools in writing the article, the "Materials and Methods" section must indicate how the AI tool was employed and which tool was used. Authors are entirely responsible for the content of their manuscript, including those parts generated by the AI tool, and are therefore liable for any violation of publication ethics.

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3.1. Subsection

3.1.1. Subsubsection

Bulleted lists look like this:

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- Second bullet;
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2. Second item;
3. Third item.

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All figures and tables should be cited in the main text as Figure 1, Table 1, etc. As much as possible, all data (in both tables and graphs) must be represented with statistical treatment results (mean, standard deviation, errors, etc.). In the graphs, please add the error bar elements. Tables are included directly in the work text. They should be numbered and accompanied by a reference to them in the text of the work. Figures and graphs should be presented in standard formats: TIFF, JPEG, or PNG. Bitmaps must be done with a resolution of 600 dpi. All details must be conveyed in the figures. When using drawings from other sources, a link to the source (Reprinted from [18] or Adapted and redrawn from Ref. [18]) and obtaining permission to use previously published material (Permission) is required. In the case of large tables, the font size can be reduced to 9 pt or 10 pt.

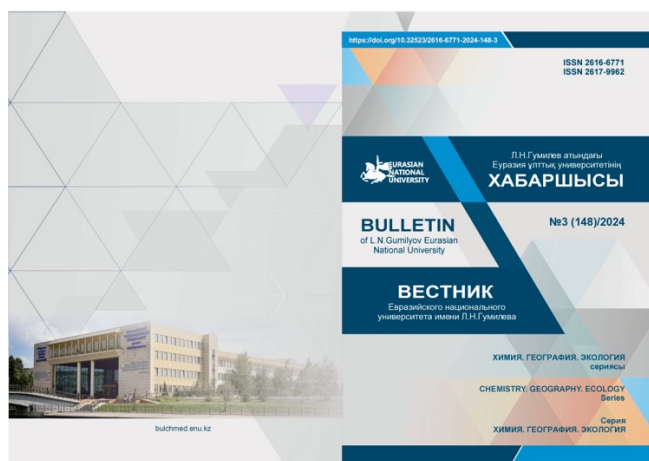


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	data	data	data
entry 3	data	data	data
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This is example 1 of an equation:

$$y = ax + b, \tag{1}$$

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12. References

Recommended article length and number of references: reviews ($\geq 10,000$ words and ≥ 100 references), mini reviews (6,000 to 10,000 words and ≥ 50 references), research papers ($\geq 3,500$ words and ≥ 25 references).

In the text of the article and tables and captions, references should be given in parentheses with the author and year, for example (Smith et al., 2009), by the bibliographic style of APA-7th edition. At the end of the article, the list of references should provide a complete list of sources in alphabetical order according to APA-7th edition. The list of sources should be numbered. (<https://apastyle.apa.org/instructional-aids/reference-examples.pdf>).

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Citations and references in the Supplementary Materials are permitted, provided they appear in the reference list here.

References

Journal Article

1. Ge, W., Mao, H., Ling, Y., Min, F., Chen, J., Liu, L., Zhang, Y., Song, S. (2023). Insight into the adsorption mechanism between chitosan and kaolinite surface by density functional theory calculation. *Chem Phys* 575, 112069. <https://doi.org/10.1016/J.CHEMPHYS.2023.112069>
2. Prokhorov, E., Luna-Bárceñas, G., González-Campos, J.B., Kovalenko, Y., García-Carvajal, Z.Y., Mota-Morales, J. (2016). Proton conductivity and relaxation properties of chitosan-acetate films. *Electrochim Acta* 215, 600–608. <https://doi.org/10.1016/j.electacta.2016.08.148>

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3. Beisembaev, B.B., Kunaev, A.M., Kenzhaliev, B.K. (1998). Theory and practice of heap's leaching of copper (Teorija i praktika kuchnogo vyshhelachivaniya medi in Russian), 1st ed. Gylym, Almaty. <https://doi.org/10.1016/galym.1998.08.148>

Or

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The following information must be given in Kazakh.

Мақаланың аты

Аты Тегі, Аты Тегі және Аты Тегі

Аңдатпа: Зерттеу мақалаларына арналған аңдатпа 200 сөзден аспайтын абзац ішінде зерттеуді қысқаша мазмұндауы керек. Авторларға арнайы тақырыптарды пайдаланбай құрылымдық форматты қабылдау ұсынылады. Аңдатпа мақаланың мазмұнын объективті түрде көрсетуі керек және негізгі мәтінде талқыланбаған немесе қолдалмаған нәтижелерді қамтымауы керек. Сонымен қатар, ол негізгі қорытындыларды асыра айтудан аулақ болуы керек.

Түйін сөздер: түйін сөз 1; түйін сөз 2; түйін сөз 3 (мақалаға тән, бірақ пәндік пәнде жеткілікті түрде кең таралған 3-10 түйін сөзді тізімдеңіз)

The following information must be given in Russian.

Название статьи

Имя Фамилия, Имя Фамилия и Имя Фамилия

Аннотация: Аннотация для научных статей должна кратко резюмировать исследование в абзаце не более 200 слов. Авторам рекомендуется использовать структурированный формат без использования конкретных заголовков. Аннотация должна объективно отражать содержание статьи и не должна включать результаты, которые не обсуждаются или не поддерживаются в основном тексте. Кроме того, она должна избегать преувеличения основных выводов.

Ключевые слова: ключевое слово 1; ключевое слово 2; ключевое слово 3 (перечислите от трех до десяти соответствующих ключевых слов, относящихся к статье, но достаточно распространенных в рамках предметной области)

