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Type of the Paper (Article, Review, Mini-review, Communication, etc.)

Title

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**Abstract:** An abstract for research articles should concisely summarise the study within a paragraph of no more than 200 words. Authors are encouraged to adopt a structured format without using specific headings. The abstract must objectively reflect the article's content and should not include results that are not discussed or supported in the main text. Additionally, it should avoid overstating the main conclusions.

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0. How to Use This Template

The template details the sections that can be used in a manuscript.

**Remove this paragraph and start section numbering with 1.** For any questions, please contact the journal's editorial office or vest\_chem@enu.kz.

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.

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**3. Results**

This part can be organised using subheadings. It should deliver a clear and succinct overview of the experimental findings, their analysis, and the conclusions that can be derived from the experiments.

*3.1. Subsection*

3.1.1. Subsubsection

Bulleted lists look like this:

* First bullet;
* Second bullet;
* Third bullet.

Numbered lists can be added as follows:

1. First item;
2. Second item;
3. Third item.

The text continues here.

3.2. Figures, Tables and Schemes

All figures and tables should be cited in the main text as Figure 1, Table 1, etc.

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**Figure 1.** This is a figure. The formatting for schemes is consistent with this

**Table 1.** This is a table. It is essential to position tables within the main text close to the first instance they are mentioned

|  |  |  |
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| **Title 1** | **Title 2** | **Title 3** |
| entry 1 | data | data |
| entry 2 | data | data 1 |

1 Tables may have a footer.

The text continues here (Figure 2 and Table 2).

|  |  |
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| View Vol. 148 No. 3 (2024) | View Vol. 145 No. 4 (2023) |
| (**a**) | (**b**) |

**Figure 2.** This is a figure. Diagrams should adhere to a different structure. When there are several panels, they need to be enumerated as (a) an explanation of the content in the first panel and (b) an explanation of the content in the second panel. Illustrations should be positioned in the main text close to their initial mention

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| --- | --- | --- | --- |
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| entry 1 \* | data | data | data |
| data | data | data |
| data | data | data |
| entry 2 | data | data | data |
| data | data | data |
| entry 3 | data | data | data |
| data | data | data |
| data | data | data |
| data | data | data |
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\* Tables may have a footer.

3.3. Formatting of Mathematical or Chemical Equations

This is example 1 of an equation:

y = ax + b, (1)

The text following an equation does not need to be in a new paragraph. Please punctuate equations as regular text.

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ax2 + bx + c = 0 (2)

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The authors must explore and interpret the results in light of earlier research and the established hypotheses. They should consider the significance of the findings within a wide-ranging context. Additionally, suggestions for future research avenues might be included.

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This section is mandatory. A conclusion in a research paper is the final section where you summarise and conclude your research, highlighting your study's key findings and insights.

**6. Supplementary Materials**

The following supporting information can be downloaded at … (a link), Figure S1: title; Table S1: title; Video S1: title.

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A short paragraph specifying their contributions must be provided for research articles with several authors. The following statements should be used “Conceptualization, X.X. and Y.Y.; methodology, X.X.; software, X.X.; validation, X.X., Y.Y. and Z.Z.; formal analysis, X.X.; investigation, X.X.; resources, X.X.; data curation, X.X.; writing—original draft preparation, X.X.; writing—review and editing, X.X.; visualisation, X.X.; supervision, X.X.; project administration, X.X.; funding acquisition, Y.Y. All authors have read and agreed to the published version of the manuscript.” Authorship must be limited to those who have contributed substantially to the work reported.

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**9. Funding:** Please add: “This research received no external funding” or “This research was funded by the name of FUNDER, grant number XXX” and “The APC was funded by XXX”.

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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-Bárcenas, 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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If the authors cite original works (sources) in Kazakh or Russian, they must provide bibliographic details providing their transliteration, as shown below:

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

Or

4. Bukhtiyarov I.V. (2019). Sovremennoe sostoyanie i osnovnye napravleniya sohraneniya i ukrepleniya zdorov'ya rabotayushchego naseleniya Rossii. [Current state and main directions of maintaining and strengthening the health of the working population of Russia]. *Medicina truda i promyshlennaya ekologiya [Occupational medicine and industrial ecology]* 59(9), 527-532. doi: 10.31089/1026-9428-2019-59-9-527532