

Dear author!

In accordance with the order of the Minister of Education and Science of the Republic of Kazakhstan No. 170 dated April 30, 2020, the editorial board of the journal "Bulletin of Science of S. Seifullin Kazakh Agro Technical University" developed a website with an online system for submitting and reviewing articles.

In this regard, when submitting an article for publication in the journal, it is necessary to register as an author on the journal's website and download the article proposed for the consideration on the online platform. The author's registration is carried out at the following link: (video instruction is attached)

<http://bulletinofscience.kazatu.edu.kz/index.php/bulletinofscience/user/register>
Video instructions for registering an author
<https://www.youtube.com/watch?v=UeZlKY4bozg>

Requirements for the publication of the scientific articles in the journal "Bulletin of Science of S. Seifullin Kazakh Agro Technical University"

The editorial board of the journal asks the authors to familiarize themselves with the rules and adhere ones in the preparation of papers sent to the journal.

Scientific journal "Bulletin of Science of S.Seifullin Kazakh Agro Technical University" has been published since 1994, 4 times a year. The journal accepts articles in the following areas:

- Agricultural sciences;
- Veterinary sciences;
- Biological sciences;
- Technical science;
- Humanitarian sciences;
- Economic sciences.

The order of the article registration

Articles on the scientific areas of the journal that have not been published anywhere else are accepted for publication. One author is allowed only one publication in one journal. The article is submitted in electronic format (in .doc, .docx formats) by downloading it through the functionality of the journal's website (Open Journal System) (instructions for posting a publication at the following link: <https://youtu.be/mYZnWUSxOL8?list=PLLeLU2OkoHcK2QbehUeOfC7Qp6hySH6717&t=2>)

THE STRUCTURE OF THE ARTICLE

№	Name	Registration
1.	UTC	In the upper left corner of the sheet
2.	Article title	Must be presented in Russian, Kazakh and English, in bold capital letters, alignment - in the center;
3.	Information about the author (-s)-	Authors' data (full name) are indicated in full without abbreviations - right alignment. It is necessary to highlight the main author by printing means (in bold).
4.	Academic degree, title, place of work or study, city, country are fully indicated	<i>Right alignment, italic.</i>
5.	Email address (E-mail) of all authors of the publication	Right italicized
6.	An abstract of the published material text is provided in 3 (three) languages with a volume of at least 100 and no more than 300 words.	The word "Abstract" in 3 (three) languages must correspond to the format: in Russian - "Abstract"; in Kazakh language - "Tuyin"; in English - "Abstract".
7.	Keywords (7 words or phrases) separated by semicolons	"Key words" in the structure of an article in Kazakh language must correspond to the format - "Kilt sozder" , in English - "Key words" .
8.	Full text of the article:	<ul style="list-style-type: none"> -Introduction; - Materials and methods; - Results; - Discussion; - Conclusion; - Information about financing (if any); - Bibliography.
9.	Funding information (if available) and / or gratitude	It is necessary to reflect information about the publication of an article within the framework of the implementation of grant and / or program-targeted financing of other funding, or words of gratitude are expressed to colleagues or other persons, with the assistance (support) the research was carried out, etc.
10.	Bibliography	<p>1) The words "References" in the structure of the article in Kazakh language must correspond to the format - "Adebietter tizimi" in English "References".</p> <p>2) The list of references is compiled in strict accordance with the requirements below.</p>

* Requirements for article formatting are given below.

REQUIREMENTS FOR THE REGISTRATION OF THE ARTICLE:

The article should contain only original material reflecting the research results of the author / -s.

For publication, manuscripts of articles of at least 7 pages (including figures and tables) in one of the following languages are accepted: Kazakh, Russian, English.

Articles are accepted with a text originality of at least 70% (verification is carried out using the Antiplagiat system).

Articles are accepted until the 20th of each quarter (February 20, May 20, August 20, November 20)

The text should be typed in **Microsoft Word, Times New Roman font size 14, single spacing. The paragraph indent is 1.25.**

The text should be printed, observing the following margins: top and bottom - 2 cm, left and right - 2 cm. Alignment - in width (with automatic hyphenation).

In the upper left corner of the sheet, UTC is affixed.

Below, center alignment - in capital letters the title of the article;

Below, after one interval, alignment on the right edge in *italics* - the full name of the author (s) is written in full (without abbreviations);

Further on the next line (*italic font, right alignment*) - *academic title, academic degree, university name, place of work (in full), city, country (abbreviations are not allowed); on the next line (italic font, right alignment) - E-mail for contacts. If there are several authors of the article, then the information is repeated for each author.*

Further below, through the line, the text of the annotation is placed. The volume of the abstract is not less than 100 and not more than 300 words in Kazakh, Russian and English.

When writing an abstract in Russian, it is necessary to provide an annotation in Kazakh and English, if the article is in Kazakh, then the abstract is in Russian and English, if the article is written in English, then the abstract is given in three languages.

- the annotation should reflect the following points: relevance, the essence of the research, a description of the scientific and practical significance of the work, a brief description of the research methods and methodology, the main results and conclusions of the research work, the value of the research (the contribution of this work to the relevant area of knowledge), as well as the practical significance of the results of the work.

Further **Key words** (7 words / phrases), separated by semicolons.

The main text of the article:

Introduction. This section should include a short literature review, relevance of the topic or problem. It is necessary to describe the rationale for choosing a topic based on the experience of predecessors, as well as provide the formulation of specific questions or hypotheses.

Materials and methods

This section must meet the following criteria:

- the methods presented should be reproducible;
- briefly describe the methods used without going into methodological features;
- reference to the source is required for standard methods;
- when using a new method, its detailed description is required.

Results. In this section, it is necessary to outline clearly the essence of the article and provide an analysis of the research results obtained and specific recommendations. The results of the study must be characterized fully enough so that the reader can trace its stages and assess the validity of the conclusions made by the author. The results, if necessary, are supported by illustrations - tables, graphs, figures, which present the source material or evidence in a structured / graphical form.

Discussion. Discussion and interpretation of the results, including in the context of previous research.

- A brief description of the most significant results that were identified in the Results section and their comparison with other studies on exemplary topics,
- Allocation of problem areas, lack of some aspects;
- Future directions of the research.

Conclusions. Generalization of the research findings (each point should be devoted to the answer of the tasks in the Introduction or be an argument for proving the hypothesis statements (if any) that were indicated in the Introduction).

Information about funding (if any) and / or gratitude it is necessary to reflect information about the publication of the article as part of implementation of grant, program-targeted funding, other funding, or words of gratitude are expressed to colleagues or other persons, with whose assistance (support) the research was carried out, etc.

References. It is important to use international relevant sources, at least 50% of sources from the Web of Science and / or Scopus database over the past 15-20 years. Also, references in the text should correspond to the sources in the bibliography list, avoid self-citation at the author and journal level.

- after literature in the language of the article (except for English),

REFERENCES is given, literature in Latin transliteration;

- if the article is in English language, then the sources only in Russian and Kazakh languages are given in Latin transliteration;

The list of references should be numbered in the order of citation or in the order of English alphabet, and should also contain only sources () to which there are references in the text of the work. Links to unpublished works are not allowed.

The numbering of the list of references is an Arabic numeral without dot:

1 G.I. Petushkova, Suit design [Text]: textbook. for universities / G.I. Petushkova. - M.: Academy, 2004. -416 p.

2 N.V. Borisova, Mythopoetics of all-unity in M. Prishvin's philosophical prose [Text]: textbook. - method, manual / N.V. Borisov. - Yelets: Publishing house of Yelets state. University, 2004. -- 227 p.

3 T.V. Krasnova, Old Russian toponymy of Yelets land [Text]: monograph. -

Making a list of references: Carried out in accordance with the general requirements and compilation rules in accordance with SSE 7.1-2003 SIBID. Bibliographic notes. Bibliographic description. General requirements and rules for drawing up adopted by the Interstate Council for Standardization, Metrology and Certification (Minutes No. 2 dated July 2, 2003 (docs.cntd.ru))

After the list of references, there is a transliterated list of references, if the literature is in English, then transliteration is not carried out. Transliteration using an online translator at the link <http://translit-online.ru>. This translator does not transliterate specific letters of Kazakh alphabet. Here, after transliteration of Kazakh text, adjustments should be made, guided by the rules:

ӘҒҢӨҮҰҚІ

ағңоуұкя

Formulas. Simple inline and one-line formulas should be typed in symbols without using special editors (you can use special symbols from the Symbol, GreekMathSymbols, Math-PS, Math A Mathematica BTT fonts). Complex and multi-line formulas must be completely typed in the formula editor Microsoft Equation 2.0, 3.0. It is not allowed to set - part of the formula with symbols, and part - in the formula editor.

Bibliography. The text should contain links to sources of information (**no less than 10, and no more than 25 sources**). The list of used sources should contain 50% from the Web of Science and / or Scopus databases. Below the main text (or texts of notes) the title "References" is printed in the center and a numbered list of sources is placed across the line in the order of references in the text in accordance with the current requirements for bibliographic description. Only one source of information should be indicated in one item on the list. Links to information sources are formatted with the numbers enclosed in square brackets (for example, [1, p.15]).

Tables are placed according to the text. The tables are numbered in the order of references in the text. The numbered heading of the table should be typed in non-bold type with left justification (for example, Table 1). The subject heading (if any) is placed on the same line in bold, left-justified font. The reference to the table in the main text is made in non-bold type in brackets - for example, (table 1). If the table is large, it can be placed on a separate page, and in the case when it has significant width on a page with landscape orientation.

Figures are placed in the text. Figures are numbered in the order of references in the text. The numbered heading should be centered in bold typeface (for example, Figure 1). The subject heading (if any) is placed on the same line immediately after the numbering heading (for example, Figure 1 - Dependency ...). A link to a figure in the main text is made in non-bold type in brackets - for example, (Figure 1). If the picture is large in size, it should be placed on a separate page, and in the case when it has significant width - on a page with landscape orientation. Drawings can be scanned from the original (150spi in grayscale) or made by means of computer graphics. Figure captions should be placed directly below the figure.

Publication payment information

Payment is made after the editorial office accepts the article for publication.

The amount of payment for posting articles in the journal "Bulletin of Science of S. Seifullin KATU":

1) in sections: "Agricultural sciences" and "Veterinary sciences":

- for teaching staff of KATU, students and affiliates - 4,000 (four thousand) tenge per 1 (one) page;

- for other third-party organizations - 8,000 (eight thousand) per 1 (one) page;

- for foreign authors the publication is free

2) in the sections: "Biological Sciences", "Technical Sciences", "Humanities" and "Economic Sciences":

- for teaching staff of KATU, students and affiliates - 1,000 (one thousand) tenge per 1 (one) page;

- for other third-party organizations - 2,000 (two thousand) per 1 (one) page.

Payment is made at cash desks of Halyk Bank, marked "For the publication of the article."

Payment. Authors who have received a positive opinion for the publication of the article must pay for the following details.

Details of NJSC " S. Seifullin KATU "in JSC" Halyk Bank of Kazakhstan

BIN 070740004377

ИК KZ 446010111000037373 KZT

BIK HSBKKZKX

Code 16

CNP 890

Bank: ARFAO No. 119900 "Halyk Bank of Kazakhstan"

Certificate of VAT registration, series 62001, No. 0003805, dated 20.10.2009.

Contact phone: 8 (7172) 31 02-45;

e-mail: vestnik_katu@kazatu.kz Адрес: 010011,

Republic of Kazakhstan, Nur-Sultan, Zhenis ave., 62

Also, through the Kaspі. kz mobile application (universities and colleges).

Note: Articles translated using an auto-translator with the admission of numerous grammatical, spelling, stylistic errors and not meeting the specified requirements **will not be accepted for publication.**

Information on each of the authors (academic title, academic degree, place of work, office address, telephone, e-mail).

SAMPLE REGISTRATION OF THE ARTICLE

UTC 577.2:577.29

**IDENTIFICATION OF GENES THAT DETERMINE THE RESISTANCE OF
WHEAT TO PATHOGENIC FUNGI**

Ivanov Ivan Ivanovich

Candidate of Technical Sciences,

assistant professor, S. Seifullin Kazakh

Agrotechnical University, Nur-Sultan, Kazakhstan

E-mail: tech@mail.ru

Abstract: The author of the article proves on the basis of the actual research that the presence of wheat resistance genes to pathogenic fungi is a key factor for use in breeding work. The article presents the results of identification of wheat genes Sr32, Bt9 and Bt10 responsible for resistance to pathogenic fungi that cause diseases of stem rust, as well as hard smut [100-300 words].

Keywords: resistance genes; stem rust; hard smut; pathogenic microscopic fungi; electrophoresis; wheat; PCR. (7 words and sentences).

The main text of the article should contain:

- Introduction;
- Materials and research methods;
- Results;
- Discussion;
- Conclusion;
- Information about financing (if any);
- Bibliography;
- References.

*** Then two annotations in two languages**

**** Information about the authors - information on each of the authors (scientific title, academic degree, place of work, address, phone number).**

БИДАЙДЫҢ ПАТОГЕНДІК САҢЫРАУҚҰЛАҚТАРҒА ТӨЗІМДІЛІГІН АНЫҚТАЙТЫН ГЕНДЕРДІ ИДЕНТИФИКАЦИЯЛАУ

Иванов Иван Иванович

*Техника ғылымдарының кандидаты,
доцент, С. Сейфуллин атындағы
Қазақ агротехникалық университеті,
Нұр-Сұлтан қ, Қазақстан
E-mail: tech@mail.ru*

Түйін: Мақалада автор өзінің зерттеуі негізінде бидайдың патогенді саңырауқұлақтарға төзімді гендердің болуы тұқымдық жұмыстарда пайдаланудың шешуші факторы екендігін дәлелдейді. Бидай гендерін идентификациялау нәтижелері Sr32, Vt9 және Vt10 гендердің саңырауқұлақтарда сабақ таты, тозаңды қара күйе ауруларының төзімділігін тудыратыны дәлелденеді [100-300 сөз].

Кілт сөздер: төзімді гендер; сабақ таты; патогендік микроскопиялық саңырауқұлақтар; электрофорез; бидай; ПТР; тозаңды қара күйе. (7 сөз немесе сөз тіркесі)

УДК (ЭОЖ), (УТС) 577.2:577.29

ИДЕНТИФИКАЦИЯ ГЕНОВ ПШЕНИЦЫ, ОБУСЛАВЛИВАЮЩИХ УСТОЙЧИВОСТЬ ПО ОТНОШЕНИЮ К ПАТОГЕННЫМ ГРИБАМ

Иванов Иван Иванович

*Кандидат технических наук,
доцент, Казахский агротехнический
университет им. С.Сейфуллина,
г. Нур-Султан, Казахстан
E-mail: tech@mail.ru*

Аннотация: Автор статьи на основе собственно проведенных исследований доказывает, что наличие генов устойчивости пшеницы к патогенным грибам является ключевым фактором для использования в селекционной работе. В статье представлены результаты идентификации генов пшеницы *Sr32*, *Bt9* и *Bt10* отвечающих засухоустойчивость к патогенным грибам, вызывающим заболевания стеблевой ржавчины, а также твердой головни... [100-300 слов].

Ключевые слова: гены устойчивости; стеблевая ржавчина; твердая головня; патогенные микроскопические грибы; электрофорез; ПЦР; пшеница. (7 слов или словосочетания).

