



Биотехнология кафедрасы

AL-FARABI KAZAKH NATIONAL UNIVERSITY
FACULTY OF BIOLOGY AND BIOTECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
SCIENTIFIC RESEARCH INSTITUTE FOR PROBLEMS OF BIOLOGY AND
BIOTECHNOLOGY
SCIENTIFIC RESEARCH INSTITUTE OF ECOLOGY PROBLEMS

THE INFORMATIONAL LETTER №1
INTERNATIONAL SCIENTIFIC AND PRACTICAL
CONFERENCE
« ASPECTS AND INNOVATIONS OF ENVIRONMENTAL
BIOTECHNOLOGY AND BIOENERGY»

Dear colleagues!

We invite you to take part in the International scientific and practical conference "Aspects and innovations of environmental biotechnology and bioenergy".

The findings of theoretical, experimental and applied research as well as scientific inventions may be presented at the Conference.

Looking forward to seeing you at the conference!

Organizing Committee

The Conference is hosted by:

- Al-Farabi Kazakh National University
- Faculty of Biology and Biotechnology
- Department of Biotechnology
- Scientific research institute for problems of biology and biotechnology
- Scientific research institute of ecology problems

Organizing committee

- G.M. Mutanov - Rector of the Al-Farabi Kazakh National University, doctor of technical sciences, professor, academician of the NAS RK
- M.M. Burkitbayev - First Vice-Rector of Al-Farabi KazNU, doctor of chemical sciences, professor, academician of the NAS RK
- T.S. Ramazanov - Vice-rector for scientific and innovative activities of Al-Farabi KazNU, doctor of physical and mathematical sciences, professor, academician of the NAS RK
- Sh.E. Dzhamanbalayeva - Vice-Rector for social development of Al-Farabi KazNU, doctor of sociological sciences, professor
- A.K. Khikmetov - Vice-Rector for academic affairs of Al-Farabi KazNU, candidate of physical and mathematical sciences
- S.K. Mukhametzhannov - Director of the Department of science and innovation, candidate of biological sciences
- B.K. Zayadan - Dean of the faculty of Biology and Biotechnology, doctor of biological sciences, professor, academician of the NAS RK
- A.S. Kistaubayeva - Head of the department of Biotechnology, candidate of biological sciences, associate professor
- A.K. Bissenbayev - Director of the Research Institute of Problems of Biology and Biotechnology, doctor of biological sciences, professor, academician of the NAS RK
- A.A. Skakova - Director of the Research Institute of Ecology Problems, candidate of geography sciences
- A.K. Sadvakasova - acting deputy Dean for scientific and innovative work and international relations, Ph.D., associate professor
- Z.A. Inelova - deputy Dean for academic, methodological and educational work, candidate of biological sciences, associate professor
- A.A. Zhubanova - Doctor of biological sciences, professor of the department of Biotechnology, Academician of Kaz.NAEN
 - K. Bolatkhan - PhD Doctor, postdoctoral student of the department of biotechnology
- F.K. Sarsekeyeva - deputy head of department for educational, method. and educational work, PhD Doctor
- M.Kh. Narmuratova - deputy head of the department for scientific and innovative activities and international cooperation, candidate of biological sciences
- M.O. Bauenova - PhD Doctor, scientific secretary of the faculty of Biology and Biotechnology
- B.D. Kossalbayev - PhD doctoral student, head of laboratory physical and chemical methods in biology
 - Huma Balouch - PhD doctoral student, Sr. assistant Director (programmes) COMSATS
- A.B. Kakimova - PhD doctoral student
- Zh.O. Mustapayeva - PhD doctoral student
- S.K. Sandybayeva - PhD doctoral student

The Conference sections

- **Section №1.** Aspects, innovations and achievements of environmental biotechnology.
- **Section №2.** Bioenergy innovations and achievements.

Dates of the conference: February 12 - 13, 2021

Venue of the conference: Republic of Kazakhstan, Almaty city, Al-Farabi Kazakh National University, Library "Al-Farabi", 4th floor

Conference format: hybrid format (online and offline)

Official languages of the conference: Kazakh, Russian and English

Based on the results of the expert assessment of the presented articles, a collection of the conference will be published, which will be released in electronic and book formats.

Conference registration fee

Participation in the conference is free. At the end of the conference, participants are issued a certificate.

ORGANIZING COMMITTEE OF THE CONFERENCE

Republic of Kazakhstan, 050038, Almaty

Section 1: Sandybayeva Sandugash. Tel: 8 775 135 10 15

Section 2: Kakimova Ardak. Tel: 8 708 768 23 62

E-mail: biotechnology.conference2021@gmail.com

Application form

Full Name	
Academic degree	
Position	
Full name of the organization	
Country, region, city	
Address of organization	
Phone (with city code)	
E-mail:	
Article (report) title	
Coauthors	
The proposed form of participation (full-time, part-time)	
Proposed section (topics)	
Hotel reservation (yes / no)	

Article Guidelines

All materials submitted for publication must have both theoretical and practical value, as well as correspond to the topic of the selected section.

Materials submitted in compliance with the following requirements are accepted for publication:

In an article, the name of one author should be indicated first among the authors only 1 time.

I. Requirements for content

Material submitted for publication must be:

- relevant,
- original,
- contain a complete thought.

II. Requirements for registration

1. The volume of the text is up to 5 pages.
2. A4 page format, portrait orientation; indents: top, bottom, right and left - 20 mm.
3. Microsoft Office WORD editor, font - Times New Roman. Size: report title - 14 pt, uppercase, bold; the surname and initials of the authors - 14 pt, bold, italic; full names of organizations, e-mail - 12 pt, italics; abstract - 12 pt, italics; main text and bibliography - 14 pt, normal. Alignment: authors, report title, organization name, word literature (in italics), annotations - centered; the main text of the report and the list of references - in width. Paragraph: indent 10 mm. Single line spacing.

4. Latin names of species are ply. In numbers, the shares are separated by a period. Links to illustrations, captions to them are made as Fig. 1, tab. 2.

5. Formulas should be included in the text of the report using the formula editor built into WORD.

6. Figures, photographs and tables (no more than two in any variation) should be inserted into the text. Duplication of the same data in tables and graphs is not allowed. Drawings and photos are only in black and white, and only in * jpg format with a resolution of 200-300 dpi. Inscriptions on figures are made in 12 pt font.

7. References to literature in square brackets [1, 2] in the order of mentioning in the text.

For articles

1 Taipakova S.M., Bisenbaev A.K. Cloning and expression of cDNA of cellobiohydrolase CEL7A of the fungus *Lentinula edodes* in *E. coli* and characterization of the recombinant protein // *Biotechnology: theory and practice*. – 2011. – No. 2. – P.41-49.

For collections of works, abstracts, etc.

2 Bisenbaev A.K., Taipakova S.M. Cloning and expression of the gene of thermostable cellobiohydrolase I of the fungus *L. edodes* in yeast // VI Moscow International Congress *Biotechnology: state and development prospects*. - Moscow. – 2011. – P.293-294.

For monographs and books

3 Kuzhir T. D. *Antimutagens and chemical mutagenesis in the higher eukaryotic system*. - Minsk: Naukova Dumka. – 1999. – 263 p.

For abstracts and dissertations

4 Voronov M.G. *Ecological and biological bases for increasing the efficiency of omul reproduction in the river. Selenge in modern conditions*. – Diss. ... Cand. biol. sciences. – SPb., 1993. – 180 p.

Article template

- UDC.
- In the center are given:
 - Surnames and initials of the authors (for example: I.V. Ivanov, S.P. Krylov)
 - Full name of the institution represented by the author (with country and city). If the authors are from different institutions, then the correspondence between the author and the institution is established by superscripts, for example:

I.V. Ivanov ¹, S.P. Krylov ²

¹Kazakh National University named after al-Farabi, Kazakhstan, Almaty

²Institute for Combustion Problems, Kazakhstan, Almaty

Email address of one of the authors.

Title of the article / abstract (bold)

- Annotation.
- Keywords.
- The text of the article.
- Literature.
- At the end of the article there is a translation in the other two languages (in turn): full name. authors, article titles, abstracts and keywords (font size is 2 kegels smaller than the main one).
- Information about authors.

Based on the results of an expert assessment of the submitted articles, materials will be selected for publication in the following journals:

- Experimental Biology. Biological Series (recommended by KKSON MES RK).
- Eurasian Journal of Ecology (recommended by KKSON MES RK).
- International Journal of Biology and Chemistry (indexed by the Emerging Sources Citation Index of Web of Science Core Collection since 2018).

Presentation requirements:

1. Plenary talk - 15 minutes
2. Oral presentation in the section - 7 minutes
3. Poster (poster presentation)

To participate in the conference, it is necessary by **January 27, 2021** to send the registration form and the text of the report (article) in electronic form, in separate files in Word 2010 format, with the extension only **doc** or **rtf** to e-mail: Email subject - Conference , the file is designated by the name of the first author. If confirmation is not received within three days, please kindly duplicate the sending of documents.

Suggestion on conference topics:

1. Fundamental and applied aspects of monitoring environmental objects: biotesting, bioindication and biomonitoring.
2. Utilization and processing of organic industrial, household and agricultural waste.
3. The main directions of using biological objects for the decomposition of organic substances: biostimulation and bioaugmentation.
4. Commercial biological products for environmental treatment
5. Environmentally friendly biological products in agriculture and medicine
6. Renewable energy and energy efficiency in the XXI century.
7. Production of biofuels from plant biomass, photo- and heterotrophic microorganisms.
8. Problems of biogeotechnology and nanotechnology.

To the attention of the authors!

The organizing committee will carefully select articles for publication. The text of the submitted material must be carefully checked and must not contain spelling, punctuation and stylistic errors. Materials that meet the specified requirements will be published.