

MINISTRY OF SCIENCE AND HIGHER EDUCATION OF
THE RUSSIAN FEDERATION

GOVERNMENT OF ALTAI KRAI

ALTAI STATE UNIVERSITY

BIOasia 2024

IV International Biotechnology Forum

First circular

Dear colleagues!

We invite you to participate in the **IV International Biotechnology Forum “BIOAsia–Altai”**, which will be held September 23–28, 2024 in Barnaul (Altai Krai, Russia).

The event aims to discuss current issues in the development of biotechnology and present scientific achievements in promising areas of industrial, agricultural, food, and environmental biotechnology.

The Forum program includes:

Plenary session (September 26, 2024)

Round table “Biotechnology and big challenges: new opportunities for partnership development” together with the Government of Altai Krai (September 26, 2024).

Research and practice sections (September 27, 2024):

1. Agricultural and Industrial Biotechnologies.
2. Molecular genetics and biotechnological methods for plant research.
3. Biorefining and bioconversion of plant materials.
4. Environmental technologies and environmental safety of the Greater Altai and adjacent territories.

Schools for young scientists (September 23–27, 2024) with awarding of certificates of advanced training of the standard form:

1. **“Modern methods of plant biotechnology.”**

The school offers work with the culture of plant cells and tissues, considers technologies of clonal micropropagation, molecular genetic methods for diagnosing phytopathogens, and methods of healing plants from viruses. Most of the time will be devoted to practical work at the Altai Center for Applied Biotechnology of Altai State University.

2. **“Recombinant technologies: from gene to enzyme.”**

The school considers approaches and principles of bioinformatics search, optimization of nucleotide sequences of the enzyme gene, selection of primers for

PCR, and design of genetic engineering constructs for the transformation of bacterial and yeast cells. You will develop practical skills in molecular design, methods of molecular biology, methods for assessing protein expression, and its enzymatic activity, as well as study the approaches to planning experiments for the cultivation and production of protein. The school is held on the basis of the Center for Recombinant Technologies of Altai State University.

- Field trip to the Altai Mountains (September 28, 2024)
- Field session in the Altai Mountains (at the invitation of the organizing committee, September 27–28, 2024)
- Tour around the scientific infrastructure of Altai State University, thematic excursions to existing production facilities and around the city of Barnaul.

To participate in the Forum events at your choice, please, sign up **before May 31, 2024** on the website <http://bioasia.asu.ru/>. The participation format is hybrid: an oral report at a plenary meeting (on the proposition of the organizing committee), an oral report at a section, an online report, and remote participation in absentia. To participate in the Forum there is a registration fee. The fee for participation in advanced training programs is charged separately from the registration fee.

**Registration fees
for participation in the IV International Biotechnological forum “BIOAsia–Altai”**

Participation package	Participation package contains	Amount
Full-time participation	Full-time participation in all scientific events of the Forum, marked by the participant during registration; delivering an oral and/or poster presentation; publication of materials in the electronic proceedings; participant package; certificate of participation; coffee breaks; excursions.	2000 rubles
Remote participation	Remote participation with delivering an oral online report and/or interactive poster presentation; access to online broadcasts of all scientific events of the Forum, marked by the participant during registration; publication of materials in the electronic proceedings of the Forum; certificate of participation.	500 rubles
“Students”	Undergraduate and graduate students delivering a report in person or remotely; access to online broadcasts of all scientific Forum events; publication of materials in the electronic proceedings; participation package; certificate of participation; coffee breaks.	500 rubles
Youth school “Modern methods of plant biotechnology”	Full-time training courses lasting 24 hours with awarding of a certificate of the standard form	5000 rubles
Youth school “Recombinant technologies: from gene to enzyme”	Full-time training courses lasting 24 hours with awarding of a certificate of the standard form	5000 rubles

Payment details will be provided in the second circular. Travel expenses, accommodation and meals are paid by the participants independently. You can check the information about hotels in Barnaul on the Forum website.

The proceedings of the IV International Biotechnology Forum “BIOAsia–Altai” will be published and indexed in the scientometric database of the Russian Science Citation Index (elibrary.ru) and posted on the portal “Scientific Journals of Altai State University” (journal.asu.ru). The Forum materials are **assigned a DOI**. Page count should be up to 5 pages, in A4 format, which includes: title, UDC, full names of the authors, abstract, keywords (in Russian and English), information about the authors, text, figures, tables, and references. The font is Times New Roman, 12. Line spacing – single, margin size on all sides – 2.0 cm, orientation – portrait, full justification. The text format is MS Word.

All materials for publication should be submitted by July 15, 2024. The following should be sent to e-mail bioasia@asu.ru: 1) a manuscript for publication; 2) a letter of consent to publish the manuscript, scanned in color; 3) a conclusion on the possibility of open publication, scanned in color. The specified document forms are posted on the Forum website (<http://bioasia.asu.ru/>). File names should begin with the surname of the first author (for example: Ivanov I.I._manuscript.doc, Ivanov I.I._consent to publication.pdf, Ivanov I.I._conclusion.pdf). The materials will be published in the author’s edition. The reference to the grant(s) within which the materials were prepared should be indicated prior the list of references.

The confirmation of receipt of materials for publication will be sent to participants by e-mail within 5 working days from the date of their receipt. All participants will be provided with an electronic version of the Forum proceedings (PDF format).

Important dates:

- Registration on the website – before May 31, 2024.
- Submission of materials for publication in the proceedings indexed in RSCI – by July 15, 2024.
- Distribution of the second circular – before May 15, 2024.
- Dates of the Forum – September 23–28, 2024.

For further information, please contact:

Altai State University, 656049, Altai Krai, Barnaul, Lenin Ave., 61.

Official website of the Forum – <http://bioasia.asu.ru/>

Uniform email address of the Forum – bioasia@asu.ru

Organizational issues – Svetlana Sergeevna Kurenkova (3852) 291-252 (ext. 1).

Registration for the Forum - Belorukov Maxim Viktorovich (3852) 291-252 (ext. 2).

Welcome to the Forum!

The organizing committee would be grateful for the distribution of this circular to interested parties