



ГКХТ



Belarusian State Technological University

Ministry of Education of the Republic of
Belarus

Belarusian State Concern for Oil and
Chemistry

State Committee on Science and Technology
of the Republic of Belarus

National Academy of Sciences of Belarus

CIS Executive Committee

Standing Committee of the Union State

**V INTERNATIONAL SCIENCE AND TECHNOLOGY FORUM
ON CHEMICAL ENGINEERING AND OIL AND GAS
PROCESSING (PETROGASCHEMISTRY – 2022)**

November 2-4, 2022



MINSK

REPUBLIC OF BELARUS

DEAR COLLEAGUES!

**WE ARE PLEASED TO INVITE YOU TO
V INTERNATIONAL SCIENCE AND TECHNOLOGY FORUM
ON CHEMICAL ENGINEERING AND OIL AND GAS PROCESSING
(PETROGASCHEMISTRY-2022)**

FORUM MISSION:

The Forum aims at promoting contacts and exchange of scientific and technological advances among professionals engaged in chemical and petrochemical industries, stimulate young researchers in the field of generation of new technologies, products and services, increase the skills of participants to present and protect the results of their research.

FORUM SECTIONS:

1. Development prospects and strategies of world and domestic petrochemistry.
2. Prospecting, extracting and processing of oil and gas, petrochemistry.
3. Polymer composite materials. Paintwork materials. Advanced technologies and equipment for manufacturing of composite-based materials.
4. Elastomeric materials: physics and chemistry of rubber, raw materials for the production of elastomeric compositions, reinforcement of rubber, design and simulation of tires and rubber products, advanced technologies and equipment for the production of elastomeric materials and products.
5. Digital technology and automation in petrochemical industry.
6. Nanomaterials in polymer composites.
7. Instrumentation of processes. Improved energy efficiency of heat exchange equipment of the chemical industry.
8. Environmental challenges and ways of addressing them. Industrial waste management: problems, solutions, prospects. Recycling of polymer materials.
9. Production of mineral- and gas-based fertilizers.
10. Training of highly-competent professionals at all cycles of tertiary and postgraduate education.

FORUM ORGANIZERS:

Belarusian State Technological University

SUPPORTED BY

- Ministry of Education of the Republic of Belarus
- Belarusian State Concern for Oil and Chemistry
- State Committee on Science and Technology of the Republic of Belarus
- National Academy of Sciences of Belarus
- CIS Executive Committee
- Standing Committee of the Union State

FORUM PROGRAM COMMITTEE:

Andrey IVANETS

Minister of Education of the Republic of Belarus

Corresponding member National Academy of Sciences of Belarus, Doctor of Science,

Ihar VOITAU

Rector of Belarusian State Technological University

Andrey RYBAKOV

Chairman of Belarusian State Concern for Oil and Chemistry

Vladimir GUSAKOV

Chairman of the Presidium of the National Academy of Sciences of the Republic of Belarus

PROGRAM CHAIRMEN:

Aliaksandr TSYHANAU

First Vice-Rector of Belarusian State Technological University

Sergei SHETKO

Vice-Rector for Research of Belarusian State Technological University

Kanstantsin VISHNEUSKI

Director of Republican Scientific and Practical Center
of Petrochemical Technologies and Production

vik@belstu.by,

Tel. (mobile): +375 29 316 15 68

Andrei YUSEVICH

Head of Department of Oil and Gas Processing and Petroleum Chemistry

usevich@mail.ru

Tel. (mobile): +375 29 703 15 03

Andrei KASPEROVICH

Head of Department of Polymer Composite Materials

andkasp@belstu.by

Tel. (mobile): +375 29 136 27 76 Fax: +375 17 379 65 62

FORUM INFORMATION AND UPDATES CAN BE FOUND AT:

<http://petro.belstu.by>

FORUM EVENTS

- International scientific technical conference “Current State and Development Prospects of Chemical and Petrochemical Complex”
- Exhibition of innovative products, research developments and investment projects in the field of petrochemical industry
- Contest of innovative research projects of young scientists
- Expanded meeting of the Council of Representatives Eurasian Academy of Mining Sciences in the Republic of Belarus
- Meeting of the Scientific Council on Petrochemistry of the International Association of Academies of Sciences

FORUM AGENDA

November 2, 2022

9⁰⁰-13⁰⁰

Registration

Attendance at:

- Scientific and technical exhibition of innovative products of Belneftekhim concern enterprises and organizations participating in the forum
- Museum of the history of the University and of the exhibition of scientific and technical developments of the University
- Laboratories and research centers of the University

10⁰⁰-17⁰⁰

Contest of innovative research projects of young scientists

November 3, 2022

9⁰⁰-10⁰⁰

Registration

PLENARY SESSION

10⁰⁰-13⁰⁰

Speeches of guests and participants of the forum
Awarding of the winners of the competition of

innovative projects of young scientists

14⁰⁰-17⁰⁰ Meeting of the Scientific Council on Petrochemistry of the International Association of Academies of Sciences

18⁰⁰ Welcome reception

November 4, 2022

8³⁰-9⁰⁰ Registration

10⁰⁰-13⁰⁰ Expanded meeting of the Council of Representatives Eurasian Academy of Mining Sciences in the Republic of Belarus

CONFERENCE SESSIONS

9⁰⁰-13⁰⁰ **Session I. Prospects, development strategy and new technologies of chemical, petrochemical and gas chemical industries. Investment project.**

9⁰⁰-13⁰⁰ **Session II. Polymer composite materials. Advanced technologies and equipment for manufacturing of composite-based materials**

14⁰⁰-17⁰⁰ **Session III. Environmental problems of chemical, petrochemical and mining chemical industries and ways to solve them**

14⁰⁰-17⁰⁰ **Section IV. Digital technology and automation. Instrumentation of processes. Improved energy efficiency of heat exchange equipment of the chemical industry**

14⁰⁰-17⁰⁰ **Section V. Topical issues of personnel training for chemical and petrochemical enterprises (specialty, master's, postgraduate, training and retraining)**

ABSTRACT PREPARATION

Authors are invited to submit extended abstract of maximum 4 pages including references.

Abstract requirements:

- *Universal Decimal Classification (UDC) code – 12 pt, regular*
- *Authors names – 14 pt, regular*
- *Affiliations – 12 pt, regular*
- *Abstract title – 14 pt, bold, uppercase*
- *Abstract text – 14 pt, regular*
- *Line spacing – single*
- *Page margins – 3 cm all*
- *Paragraph – first line indentation 1.25 cm*
- *References – maximum 5*
- *Figures and graphs – black and white with possibility of editing*
- *Pages are not numbered*

How to submit:

To participate in the forum, you must **by 07.10.2022** register on the forum website and send paper manuscripts.

Organizing Committee Address

13a Sverdlova str., 220006 Minsk, Belarus
Belarusian State Technological University

Sector of information and exhibition ensuring scientific activity

Tel./fax: +375 17 377–84–50
E-mail: inform@belstu.by

**Republican Scientific and Practical Center of Petrochemical
Technologies and Production**
E-mail: Vik@belstu.by

***The conference program and proceedings will be published on
<http://petro.belstu.by>***

Conference languages: Russian, English

ABSTRACT TEMPLATE

UDC

Full name (Name of organization)

TITLE OF THE PAPER

Text of the paper [*references are numbered in Arabic numerals in order of reference*].

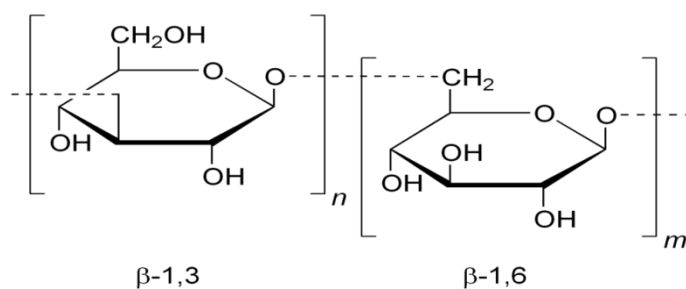


Figure 1 – The name of the figure

Table 1 – The name of the table

| | | | |
|--|--|--|--|
| | | | |
| | | | |

REFERENCES

1. Mousavi, S.M. Effect of ultrasonic irradiation on rheological properties of asphaltenic crude oils / S.M. Mousavi, A. Ramazani, I. Najafi // *Petroleum Science*. – 2012. – Vol. 9. – № 1. – P. 82-88.

2 Батыжев, Э.А. Выбор растворителей асфальтеновых комплексов при термодеструкции нефтяных остатков / Э.А. Батыжев // *Технология нефти и газа*. – 2005. – №4. – С. 29-32.

CONFERENCE REGISTRATION FEE

PAYMENT DETAILS

Educational institution "Belarusian State Technological University"
Address: 13a Sverdlova Str., 220006 Minsk, Belarus
UNP (Payer's Identification Number) 100354659 OKPO 02071837
Individual persons *Legal bodies*

PAYMENT DETAILS (BYN): 125,00 BYN

Acc. No. BY11 AKBB36329000032565100000
Banking services center OAO «JSSB Belarusbank», Minsk
BIC SWIFT AK BB BY2X. 220089, Dzerzhinsky Str. 18, Minsk
With indication "For participation in the conference, name"

PAYMENT DETAILS (RUB): 3000 RUB

Acc. No.
BY51 AKBB36329000037065100000
Banking services center No. 510 OAO
«JSSB Belarusbank», Minsk
BIC SWIFT AK BB BY2X
220029, Kuibysheva Str. 18, Minsk
With indication "For participation in the
conference, name"

Acc. No. BY51 AKBB36329000037065100000
Banking services center OAO «JSSB
Belarusbank», Minsk.
BIC SWIFT AK BB BY2X.
220089, Dzerzhinsky Str. 18, Minsk
Corresponding Bank: PAO ROSBANK, Moskva
Corresponding acc.
No. 30111810600000020820
in the Main Directorate of the Bank of Russia for
the Central Financial
BIC 044525823;
SWIFT Code RSBNRUMM
CURRENCY RUB
ACCOUNT NUMBER 30101810000000000256

PAYMENT DETAILS (USD): 50 USD

Acc. No.
BY51 AKBB36329000037065100000
Banking services center No. 510 OAO
«JSSB Belarusbank», Minsk
BIC SWIFT AK BB BY2X
220029, Kuibysheva Str. 18, Minsk
With indication "For participation in the
conference, name"

Acc. No. BY92PJCB3632000000789000840
at Priorbank OJSC, Minsk.
BIC SWIFT PJCBBY2X
Minsk
Corresponding Bank: CITIBANK N.A.
New York USA
SWIFT Code: CITIUS33
Account number: 36316365

**Foreign participants can pay registration fee upon arrival at the
conference**

APPLICATION FORM
to participate in the forum

| | |
|---------------------------------|--|
| Name, surname | |
| Job position, scientific degree | |
| Organization | |
| Address | |
| Tel./fax | |
| E-mail | |
| Forum event | |
| Conference section | |
| Title of the paper | |

APPLICATION FORM
to participate in the exhibition

| | |
|---|--|
| Organization | |
| Contact person's full name | |
| Address | |
| Tel./fax | |
| E-mail | |
| The name of the exhibit (name of the product) | |
| Required area, sq. m | |
| Need for additional equipment | |

Online application at <http://petro.belstu.by>

CONTEST OF INNOVATIVE RESEARCH PROJECTS OF YOUNG SCIENTISTS

The contest aims at encouraging young researchers to generate new technologies, products and services, fostering their skills to deliver and promote their research findings.

The contest invites undergraduate, graduate and post-graduate students and young scientists (aged under 35) of chemical engineering to present their innovative and research ideas.

The scope of the contest embraces the following areas:

- chemistry and chemical engineering;
- automation, electromechanics and development of engineering systems;
- IT in chemical complex;
- power engineering and energy efficiency;
- ecology and environmental protection;
- economy and management of chemical enterprises.

The competition has two rounds.

Round 1 – distance, the jury will assess the projects submitted to the contest (see project submission guidelines at <http://petro.belstu.by>) and select the best projects for Round 2. The Round is to be completed by 14.10.2022.

Round 2 – onsite, the selected projects will be presented by the authors (5 -10 min.). The Round is to be completed on 24.10.2022.

The contest winners will be announced on 03.11.2022.

CONTEST APPLICATION FORM

| | |
|---|--|
| Name, surname | |
| University | |
| Faculty | |
| Study program | |
| Undergraduate, graduate, post-graduate, young researcher (please underline) | |
| Address | |
| Phone | |
| E-mail | |
| Project title | |

**ALL CONFERENCE PARTICIPANTS ARE KINDLY REQUESTED TO
MAKE THEIR HOTEL BOOKINGS THEMSELVES**

The hotels we recommend:

| | |
|--|---|
| Sputnik *** | http://www.sputnik-hotel.com |
| Belaru *** | http://www.hotel-belarus.com |
| Hampton By Hilton Minsk City Centre *** | http://hampton-by-hilton-city-centre.hotelsinminsk.com |
| Minsk **** | http://www.hotelminsk.by |
| Beijing ***** | http://beijinghotelminsk.com |