



INFORMATIONAL NOTICE



Federal State Budgetary Educational Institution
of Higher Education Ufa State Petroleum Technological
University (FSBEI HE USPTU)

supported by
Technology Engineering Holding PETON

VII International Scientific Conference

«Theory and Practice
of Chemical Technology
Processes»

(Memorial lectures named
after B.K. Marushkin - VII)

Dedicated to the 105th
anniversary of USPTU
Professor B.K. Marushkin



November, 2026

DEAR COLLEAGUES,

We invite you to take part in the VII International Scientific Conference, Theory and Practice of Chemical Technology Processes, dedicated to the 105th anniversary of Professor Boris K. Marushkin. The conference will take place from **November 16 to 18, 2026** in **a combined offline and online format** at the FSBEI HE Ufa State Petroleum Technological University (hereinafter – FSBEI HE USPTU), 1, Kosmonavtov str., Ufa, Republic of Bashkortostan.

As a part of the International Scientific Conference, it is planned to issue a collection of writings (printed and electronic versions) correlated with the start of the event and indexed in the elibrary.ru system (Russian Science Citation Index). The electronic version of the collection will be uploaded to the websites of FSBEI HE USPTU and SRDI Oil&Gas Peton, LLC.

Working languages of the conference: **Russian, English.**

Registration fee for conference participants is not established.

SCIENTIFIC AGENDA

The scientific agenda of the conference includes:

- **plenary presentations** (up to 20 minutes for presentation and up to 15 full pages of text),
- **oral presentations** (up to 7 minutes for presentation and 10 full pages of text),
- **publication of writings** (2-5 full pages of text).

The conference's main topics:

1. **Chemical process engineering.**
2. **Substances and materials in chemistry and chemical technology.**
3. **Technologies of chemical, oil and gas processing, petrochemical industries.**
4. **Technologies of oil and gas production enterprises.**
5. **Ecology, safety and cost effectiveness of chemical, oil and gas processing, petrochemical and microbiological industries.**
6. **Digital technologies, simulation and automation of chemical technology processes.**
7. **Future-oriented technologies and innovative solutions for the development of the fuel and energy complex.**
8. **Pedagogy and education in higher school: methodology, theory, technologies.**

APPLICATION FOR PARTICIPATION AND PUBLICATION OF WRITINGS

Send your application for participation in the conference (filled in as per the form given below) and writings for publication to **conf2026m@mail.ru**

The deadline for sending applications and writings is September 15, 2026.

CONFERENCE VENUE

1, Kosmonavtov str., Ufa, Republic of Bashkortostan, 450064, Russia.

Federal State Budgetary Educational Institution of Higher Education Ufa State Petroleum Technological University,
Department of Petrochemistry and Chemical Technology.

For details, please contact the organizing committee by phone **+7 (917) 040-73-80**



Please note that participants shall arrange their accommodation **on their own**; it is recommended to book hotels two weeks prior to the assumed date of arrival latest.

REQUIREMENTS FOR CONFERENCE MATERIALS

1. File name in Latin letters – Last name_First name.Patronymic.doc (e.g., Ivanov_A.A.doc).
2. Text editor – MSWord.
3. File format – .doc or .docx.
4. Text length – 2-5 pages.
5. Initials and last names of authors, their positions and academic degrees shall be bold, font size 12, Times New Roman, centered.
6. Organization name, postal index, address, e-mail of author shall be italicized, font size 12, Times New Roman, centered.
7. Headers shall be bold, font size 12.
8. Main text shall be Times New Roman, justified, indent 1.25, font size 12, line spacing 1.0, all margins – 2 cm.
9. Formulas, tables, figures and diagrams are permitted. Formulas shall be typeset. Text and numerical values in tables shall be editable. Resolution of figures shall be at least 1200x1800 pixels. Tables and figures shall be numbered with Arabic digits. Names of figures and tables shall be centered.
10. References shall be given in brackets in the text; the bibliography shall be located at the end of the text and formatted according to the given sample of writings formatting.
11. The text is published in the author's version, no editing is provided.

Note:

The author(s) guarantee(s) that the published work is not plagiarized, does not contain state secrets, that exclusive rights to this work have not previously been transferred to a third party, and that it does not contain materials prohibited from public publication in strict accordance with national laws and internal company export control programs.

If necessary, the editorial team may request an opinion from the company's internal export control departments regarding the content of the article.

PERSONAL DATA PROCESSING CONSENT

Personal data processing consent shall be filled in by the conference participant regardless of the presentation format according to the form given below. The consent is not required in case of offline participation without a presentation and publication.

PERFORMANCE INDICATORS OF BLADE-TYPE FEEDSTOCK INJECTION DEVICE

I. I. Ivanov.¹, V. A. Petrov²

¹Organization (...), city (...)

²Organization (...), city (...)

E-mail: ...

The paper presents the findings of CFD-simulation for blade-type device performance in terms of feedstock injection into mass-exchanging or separation vessels when injecting a vapor-liquid flow with various fractions of distillation [1-4]. The results of separation area height calculation are given in the graph in Figure 1.

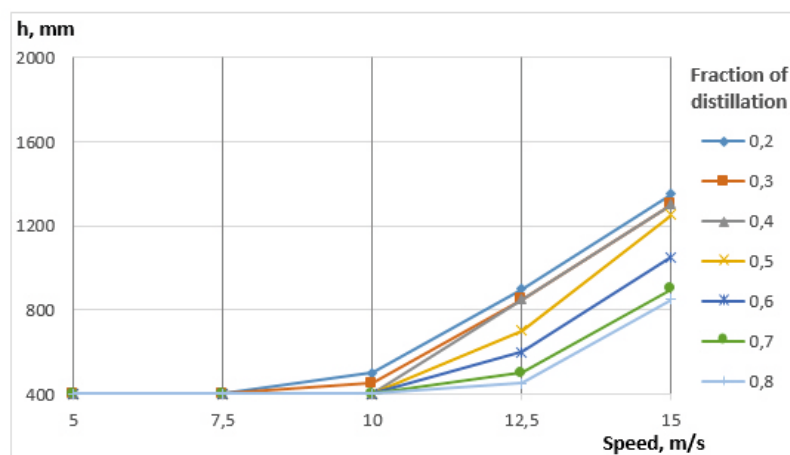


Figure 1. Dependence of separation area height on feedstock supply speed and fraction of distillation

The results of hydraulic resistance calculation are given in Table 1.

Table 1. Results of hydrodynamic simulation for a single-channel blade-type injection device

Flow speed, m/s	Separation area height h_1 , mm	Distribution area height h_2 , mm	Pressure drop Δp , mm Hg
5	400	4000	23.06
7.5	400	800	48.75
10	400	700	69.12

Thus, the separating capacity of the blade-type feedstock injection device in the speed range from 5 to 30 m/s has been confirmed. Separation of the vapor-liquid feedstock into vapor and liquid strongly influences the fractionation process of the mixture in the distillation column [5].

Bibliography:

1. T. I. Mannanov, S. K. Churakova. Hydrodynamic Simulation of Blade-Type Devices for Feedstock Injection into Distillation Column for Pyrogas Deethanization. // Contemporary Problems and Technological Direction of Organic and Inorganic Synthesis under Conditions of Import Substitution: collection of writings, 2nd International Scientific Conference – Ufa: Oil and Gas Engineering Publishing House, 2022. – pp. 556-558.
2. D. N. Zakharova, F. Sh. Vildanov, R. F. Akhmetov, T. Kh. Rakhimov, S. K. Churakova. CFD-Analysis of Sieve Tray. // Bashkir Chemical Journal. – 2019. – Vol. 26. No. 2. – pp. 121-126.
3. Patent RU 211921. Device for Vapor-Liquid Feedstock Injection into Mass-Exchange Vessel. / T. I. Mannanov, S. K. Churakova; applicant and patent holder – FSBEI HE Ufa State Petroleum Technological University (RU), applied on February 9, 2022; published on June 28, 2022.
4. Design Improvement for Heat-Exchanging and Mass-Exchange Vessels: Ph.D. thesis in Engineering Science / Denis V. Lesnoy; FSBEI HE USPTU. – Ufa, 2021. – 140 pp.
5. Primary Oil and Natural Gas Refining Technology. / A. K. Manovian. – M.: Chemistry, 2001. – 568 pp.

APPLICATION FOR PARTICIPATION IN THE CONFERENCE

№	Title	Data		
1.	Name			
2.	Academic title, academic degree, position			
3.	Name of the organization			
4.	Full address of the organization			
5.	Title of the report			
6.	Title of writings for publication			
7.	E-mail - for contacting the organizing committee - for sending the conference program and digital collection of writings			
8.	Presentation format (select the appropriate one)	☐ Plenary	☐ Oral	☐ No presentation
9.	Participation in the conference (select the appropriate one)	☐ Offline	☐ Online	☐ Distance
		☐ Presentation	☐ Publication	☐ No presentation and publication
10.	Presentation topic (underline as appropriate)	1. Chemical process engineering. 2. Substances and materials in chemistry and chemical technology. 3. Technologies of chemical, oil and gas processing, petrochemical industries. 4. Technologies of oil and gas production enterprises. 5. Ecology, safety and cost effectiveness of chemical, oil and gas processing, petrochemical and microbiological industries. 6. Digital technologies, simulation and automation of chemical technology processes. 7. Future-oriented technologies and innovative solutions for the development of the fuel and energy complex. 8. Pedagogy and education in higher school: methodology, theory, technologies.		

PERSONAL DATA PROCESSING CONSENT

I, _____
(Name)

Conference participant, I agree to the processing of my personal data and the sending of informational notices (hereinafter referred to as the Consent). Acting freely, of my own free will and in my own interests, and also confirming my legal capacity, I give Consent to the FSBEI HE USPTU and SRDI Oil&Gas Peton, LLC, located respectively at the following addresses: 1, Kosmonavtov street, Ufa, Republic of Bashkortostan, 450064 and 58, Salavat Yulaev prospect, Ufa, Republic of Bashkortostan, 450071, to the processing of my personal data, specified by me by filling in the fields of the registration form in the informational notice.

The Participant consents to the processing of his/her personal data by submitting an application containing contact information. The Participant expressly agrees to the processing of his/her personal data. Participation in the conference constitutes the Participant's unconditional consent to the specified terms of information processing. FSBEI HE USPTU and SRDI Oil&Gas Peton, LLC do not verify the accuracy of the personal information provided by the Participant and are not in a position to assess their legal capacity. However, FSBEI HE USPTU and SRDI Oil&Gas Peton, LLC assume that the Participant provides accurate and sufficient personal information about himself/herself and keeps this information up to date. The Participant gives consent to the processing of the following personal data: name, postal address, phone number, place of study/work (city, full name of educational institution/organization), level of education (bachelor's, master's, postgraduate), academic title, academic degree, field of study (name of educational program), year. The following are permitted for distribution: name, title of the article, e-mail. The purpose of processing the Participant's personal data: identifying the Participant for registration as a conference participant, sending informational newsletters to the Participant's e-mail address and by phone, creating a conference program in electronic and paper form, creating a list of Participants in electronic form and on paper separately for the conference topics and for the conference as a whole, printing conference materials, publishing an electronic and printed collection of conference materials, fulfilling the requirements of legislative acts and regulatory documents. This consent is given for any actions regarding personal data that are necessary to achieve the above purposes, including: collection, systematization, accumulation, storage, clarification (updating, modification), use, provision, depersonalization, blocking, destruction. FSBEI HE USPTU and SRDI Oil&Gas Peton, LLC perform actions (operations) with the Participant's personal data, using automated means or without using such means, including collection, recording, systematization, accumulation, storage, clarification (updating, modification), retrieval, use, provision, access, blocking, deletion and destruction. This Consent is valid from the moment the Participant accepts the Consent until the conclusion of the conference, including the printing and distribution of the Participant's competition materials.

The Participant may withdraw personal data processing consent by submitting a written application to FSBEI HE USPTU and SRDI Oil&Gas Peton, LLC in person. In case of withdrawal by the Participant of Personal Data Processing Consent, FSBEI HE USPTU and SRDI Oil&Gas Peton, LLC will cease processing the Participant's personal data and destroy the personal data within a period not exceeding fifteen calendar days from the date of receipt of such withdrawal. I provide consent to the disclosure, further use, and processing of my personal data free of charge. Such consent is valid indefinitely and may be withdrawn by sending a corresponding written notice to FSBEI HE USPTU and SRDI Oil&Gas Peton, LLC.

« ____ » _____ 2026 г.

(Signature)

(Name)