

24th International Exhibition Khimia 2021 Event Program*

October 25, 2021, Monday

12:30—14:30 **9th Moscow International Chemical Forum**

Panel on the Chemical Industry in Russia's Regions: Status and Prospects

Programme:

- **Regional development of the chemical industry in Russia**
 - **Industrial parks as an effective mechanism for the development of the chemical industry**
 - **Business Support Centres: a new point of attraction for business**
 - **Infrastructure and industrial projects in the Russian Far Eastern region**
 - **Export support in the Russian regions**
 - **Benefits and privileges of Russian Special Economic Zones for investors and the state**
- Participants include** representatives of business and export support centres from the Kaluga, Leningrad, Nizhny Novgorod, Samara, Yaroslavl oblasts, the Republics of Bashkortostan and Tatarstan, representatives of the Far East Development Fund, the Association of Industrial Parks of Russia, and special economic zones
- Organised by:** NIITEKHIM OAO, EXPOCENTRE AO
Pavilion 2, Hall 3, Conference Hall

- **Natalia Tarasova**, Director of the Institute of Chemistry and Problems of Sustainable Development at the Mendeleev University of Chemical Technology of Russia
- **Salavat Aminev**, Director General of NIITEKHIM OAO
- **Genady Shmal**, President of the Union of Oil and Gas Producers of Russia
- **Stepan Kalmykov**, Head of the Chemistry Department of Lomonosov Moscow State University
- **Anton Maksimov**, Director of the Topchiev Institute of Petrochemical Synthesis of the Russian Academy of Sciences
Pavilion 2, Hall 3, Conference Hall

13:30—15:00 **9th Moscow International Chemical Forum Strategic Session on the Competitiveness of the Russian Chemical Industry in the New Economic Reality**

Moderated by: Viktor Ivanov, President at the Russian Chemists Union

Speakers:

- **Irina Bolshakova**, Acting Director of the Department of Chemical Engineering and Bioengineering Technology of the Russian Ministry of Industry and Trade
 - **Mikhail Sutyaginsky**, Chair of the Chemical Industry Committee of the Business Russia Public Organisation, Board Chair of Titan Group
 - **Zhanna Martynova**, Director General at the VladVneshServis analytics agency, a member of the International Economic Activity Committee of the Russian Chamber of Commerce and Industry
 - **Pavel Dolgov**, Vice President of the Association of Exporters and Importers
 - **Lyubov Rozhkova**, Managing Director of Accenture Strategy in Russia and Kazakhstan
 - **Petr Bazunov**, Director General of the Association of Plastic Processors of Russian Federation
- Organised by:** EXPOCENTRE AO, the Russian Chemists Union
Pavilion 2, Hall 3, Conference Hall

October 26, 2021, Tuesday

12:00—12:45 **Official opening ceremony of the Khimia 2021 International Exhibition for the Chemical Industry and Science and the 9th Moscow International Chemical Forum**

Participants:

- **Andrey Kutepov**, Chair of the Russian Federation Council Committee on Economic Policy
- **Mikhail Ivanov**, Deputy Minister of Industry and Trade of the Russian Federation
- **Pavel Sorokin**, Deputy Minister of Energy of the Russian Federation
- **Evgeniy Petrov**, Acting Head of the Federal Agency for Mineral Resources
- **Aleksandr Mazhuga**, Deputy of the Russian State Duma
- **Sergey Katyrin**, President of the Russian Chamber of Commerce and Industry
- **Alexander Prokhorov**, Head of the Moscow City Department of Investment and Industrial Policy
- **Svetlana Ganeeva**, Director of the Moscow City Investment Agency
- **Viktor Ivanov**, President at the Russian Chemists Union
- **Andrey Guryev**, CEO of PhosAgro PAO, President of the Russian Association of Fertilizer Producers
- **Aslan Tsivadze**, President of the Mendeleev Russian Chemical Society
- **Sergey Korotkov**, Director of the UNIDO Centre for International Industrial Cooperation in the Russian Federation

14:00—18:00 **9th Moscow International Chemical Forum Panel on Relevant Issues in the Regulation of Chemical Products in the Russian Federation**

Moderated by: Dmitry Skobelev, Director of the Environmental Industrial Policy Center

Organised by: the Coordination and Information Center of the CIS Member States, the Russian Chemists Union, EXPOCENTRE AO

Partner: the Environmental Industrial Policy Center
Pavilion 8, Conference Hall (Floor 1, Gallery)

- 15:30—17:00 **9th Moscow International Chemical Forum**
Session on Specialty Chemicals: Import Substitution and Development
Devoted to the 20-year anniversary of the Roshimreaktiv Association
Moderated by: Irina Vendilo, Executive Director at the Roshimreaktiv Association
Organised by: the Roshimreaktiv Association, the Russian Chemists Union, EXPOCENTRE AO
Pavilion 2, Hall 3, Conference Hall
- 12:00—15:00 **Gallery of Solutions for the Chemical Industry**
Organised by: EXPOCENTRE AO
12:00—12:45 **Presentation of a New Solution for Laboratory Chemical Synthesis (MGD-Reactor OOO)**
Speaker: Vladimir Mikhailov, Senior Lecturer at the Organic Chemistry Department of the Institute of Chemistry at the St. Petersburg State University
14:30—15:00 **Presentation of Laser Scanning of Materials**
Speaker: Irlan Shabelnikov, developer
Pavilion 2, Hall 1, Presentation Hall
- 15:30—17:00 **Panel on (Un)scary Chemistry: How to Combat Chemophobia and Popularise Chemistry**
Moderated by: Georgy Shakhgildyan, Head of Science Communication at the Mendeleev University of Chemical Technology of Russia
Participants:
— MEL Science
— Children's Technopark Mendeleev Center
— the Chemistry Department of Lomonosov Moscow State University
— the National Priorities Autonomous Nonprofit Organisation
— the Russian Association for Science Communication (AKSON)
— the Polytechnic Museum
Organised by: the Mendeleev University of Chemical Technology of Russia, EXPOCENTRE AO
Pavilion 2, Hall 1, Presentation Hall
- 10:00—17:00 **9th Conference on the Modern Technologies for Water Treatment, and Corrosion and Scale Prevention**
Organised by: the Roshimreaktiv Association, EXPOCENTRE AO
Congress Centre, Press Hall
- 14:00—16:00 **Express Conference on the Chemical Products and Technologies for Land Reclamation**
The programme includes reports made by the members of the Kostyakov Research Institute of Hydraulic Engineering and Land Reclamation:
— **Use of chlorella grown on drainage runoff as a green fertiliser**
Oleg Strizhnikov, junior research fellow at the Department of Ecosystem Water Management
— **Phytotechnology for biological remediation of soils contaminated with organochlorine compounds**
Maksim Lapushkin, junior research fellow at the Department of Land Reclamation and Conservation
— **Chemical pollutants in water sources and membrane methods for their removal for irrigated agriculture**
Sergey Filippov, junior research fellow at the Department of Soil Fertility Management
— **Creating artificial soils and structure formers based on polymers**
Snezhana Menshikova, senior research fellow, Head of the Laboratory of Innovative Agromelioration Technologies of the Department of Soil Fertility Management
Organised by: EXPOCENTRE AO
Partner: the Kostyakov Research Institute of Hydraulic Engineering and Land Reclamation
Pavilion 2, Seminar Hall 3 (Floor 1, Gallery)
- 16:30—18:00 **Workshop on Promising Biotechnologies for Sustainable Development**
Programme:
— **Rhizosphere bacteria of the genus Pseudomonas in modern agricultural biotechnology**
Tatiana Anokhina, research fellow at the Skryabin Institute of Microbial Biochemistry and Physiology
— **Determination of low molecular weight organic compounds by biosensor amperometric method**
Tatiana Kuvichkina, research fellow at the Skryabin Institute of Microbial Biochemistry and Physiology
— **Assessing the feasibility of obtaining protein products from methane**
Valentina Khmelenina, lead research fellow at the Skryabin Institute of Microbial Biochemistry and Physiology
— **Production of enzyme preparations based on fungi producers for agriculture**
Vitaliy Nemashkalov, Head of the Enzyme Biosynthesis Laboratory at the Skryabin Institute of Microbial Biochemistry and Physiology
— **Secondary bacterial metabolites - challenges and benefits of use**
Inna Solyannikova, lead research fellow at the Skryabin Institute of Microbial Biochemistry and Physiology, Director of the Regional Microbiology Centre at the Belgorod National Research University
— **Innovative equipment for biotechnology**
Vladimir Cherskiy, Director of Prointech
— **Study of the oil resistance limits of micro-mycetes for their use in biological remediation of oil-contaminated land**
Irina Bukharina, Professor at the Udmurt State University
Organised by: EXPOCENTRE AO
Partner: the Skryabin Institute of Microbial Biochemistry and Physiology of the Russian Academy of Sciences
Pavilion 2, Seminar Hall 3 (Floor 1, Gallery)

15:00—18:00 **Panel the 2020-2021 Paint and Coatings Industry Outcomes and the re-election meeting of the Association of Manufacturers, Suppliers and Consumers of Paints & Varnishes and Raw Materials for Their Production Centrlack**
Organised by: EXPOCENTRE AO
Partner: the Centrlack Association of Manufacturers, Suppliers and Consumers of Paints & Varnishes and Raw Materials for Their Production
Pavilion 2, Seminar Hall 4 (Floor 1, Gallery)

October 27, 2021, Wednesday

10:30—12:30 **9th Moscow International Chemical Forum Session on the Chemistry for Farmers**
Moderated by: Maria Ivanova, First Vice President of the Russian Chemists Union

Programme:

— **The current market situation in the chemical industry for the agricultural sector. Growing sales areas**

Zhanna Martynova, Director General at the VladVneshServis analytics agency, a member of the International Economic Activity Committee of the Russian Chamber of Commerce and Industry (to be specified)

— **Current issues in the control of pesticides and agrochemicals**

Elena Tsvetkova, Assistant to the Head of the Federal Veterinary and Phytosanitary Surveillance Service (Rosselkhoz nadzor)

— **PhosAgro: No.1 in green fertiliser production**

Boris Levin, Deputy Chief of Staff to the Director General of PhosAgro PAO

— **Calcium chloride-based products for the agricultural sector**

Sergey Manuylov, Head of Industrial Projects at Zirax OOO

— **Production chain analysis in the crop protection products market**

Aleksandr Maslennikov, Director of the Accelerator Mendeleev at the Mendeleev University of Chemical Technology of Russia

Organised by: EXPOCENTRE AO, the Russian Chemists Union

Pavilion 2, Seminar Hall 3 (Floor 1, Gallery)

10:30—12:30 **9th Moscow International Chemical Forum Session on Decarbonisation Tools for the Chemical Industry**

Moderated by: Evgeniy Sinyakov, Vice President of the Russian Chemists Union, Maria Ivanova, First Vice President of the Russian Chemists Union

Organised by: EXPOCENTRE AO, the Russian Chemists Union

Pavilion 2, Hall 3, Conference Hall

13:00—15:00 **9th Moscow International Chemical Forum Panel on the International Trade in Chemical Products. Exports and Imports: Present and Future**
Moderated by: Pavel Dolgov, Vice President of the Association of Exporters and Importers

Topics:

— **Russian export support**

— **Logistics in the post Covid-19 situation**

— **Hazardous chemicals logistics**

— **Perspectives of working with Asian markets**

— **Facilitating the development of foreign exporters in Russia**

— **EAEU countries: opportunities for trade cooperation**

Organised by: EXPOCENTRE AO

Partner: the Association of Exporters and Importers
Pavilion 2, Hall 3, Conference Hall

15:30—18:00 **9th Moscow International Chemical Forum Session on Implementing Changes in Accreditation in Laboratories**

Moderated by: Irina Vendilo, Executive Director at the Roshimreaktiv Association

Programme:

— **Review of new accreditation criteria (Order of the Russian Ministry of Economic Development No.707) and challenges of implementing GOST ISO/IEC 17025-2019 in laboratory practice**

— **Procurement of equipment in accordance with GOST ISO/IEC 17025-2019, Order of the Russian Ministry of Economic Development No.707, Federal Laws 44 and 223**

— **Education requirements for laboratory staff, transfer of information about further professional education from the Federal Register of Information on Education and (or) Qualification Documents, Training Documents to the National Accreditation System of Russia**

— **Samples for in-lab testing**

— **Challenges of implementing GOST R 58144-2018 of Distilled Water. Technical Conditions**

— **Errors in protocol design for different facilities and indicators in the field of accreditation**

Organised by: the Roshimreaktiv Association, EXPOCENTRE AO, the Russian Chemists Union

Pavilion 2, Hall 3, Conference Hall

10:00—18:00 **The Lean Manufacturing Championship Programme:**

10:30—10:35 **Welcome address**

Irina Bolshakova, Acting Director of the Department of Chemical Engineering and Bioengineering Technology of the Russian Ministry of Industry and Trade

10:35—10:40 **Presentation of the Center for the Development of the Production System of the Chemical Complex**

Igor Lyashkov, Head of the Center for the Development of the Production System of the Chemical Complex, Deputy Director of the Chimvest Scientific and Technical Centre

10:40—10:55 **Presentation of the Federal Competence Centre**

Andrey Moskvina, Head of the Project of Studying Russian and Foreign Practices of Productivity Improvement in the Chemical Industry

11:00—12:00 **Panel on lean manufacturing and digitalisation in the chemical industry**

12:00—18:00 **Chemical Industry Lean Manufacturing Championship - LEAN2021**

Organised by: EXPOCENTRE AO

Partners: the Centre for the Development of the Chemical Industry Production System, the Chimvest Scientific and Technical Centre

Pavilion 8, Conference Hall

10:00—17:00 **9th Conference on the Modern Technologies for Water Treatment, and Corrosion and Scale Prevention**

Organised by: the Roshimreaktiv Association, EXPOCENTRE AO

Congress Centre, Press Hall

13:00—16:00 **Finals of the MUCTR Innovator Competition Pitch session on innovative projects in eco-technology and sustainable development**

Organised by: the Mendeleev University of Chemical Technology of Russia, EXPOCENTRE AO

Pavilion 2, Seminar Hall 3 (Floor 1, Gallery)

10:15—16:45 **Gallery of Solutions for the Chemical Industry**

Organised by: EXPOCENTRE AO

10:15—10:50 **Presentation on Communication Engineering for the Chemical Industry (solutions from DKC)**

Speakers:

— Aleksandr Savelov, Cabling Systems Product Manager (AISI 316 stainless steel, GRP, aluminium)

— Georgiy Khalaev, Head of IT Department (uninterruptible power supplies, NetOne Mini Data Centre, SCS, IT cabinets)

11:00—11:45 **Presentation of Shut-off and Control Valves for Chemically Aggressive Media (Quadra Logic AO)**

Speaker: Vyacheslav Grigoriev, Head of the Shut-off and Control Valves Department at Quadra Logic AO

12:00—12:30 **Presentation of Buyer Values in the Chemicals Industry: A View from Companies and their Customers (Accenture)**

Speaker: Kirill Malyshev, Head of Sales and Marketing Practice at Accenture Strategy

13:00—13:45 **Presentation of Russia's First International B2B2C Platform for the Chemical Industry**

Speaker: Sergey Polikarpov, Director of Neftehim mash Red October Trading House OOO

14:00—14:45 **Presentation of the Need for Regular Microbiological Monitoring of Production Facilities. Rules for Selection of Effective Biocides**

Speaker: Viktoria Samsonova, chemical engineer for the development of antiseptics and biocides at Neohim OOO

15:00—15:45 **Presentation of Biodegradable Composite Materials Based on Synthetic Polymers with Natural Fillers**

Speaker: Elena Grigorieva, Laboratory of the Physical Chemistry of Synthetic and Natural Polymer Compositions at the Institute of Biochemical Physics of the Russian Academy of Sciences, junior research fellow

16:00—16:45 **Presentation of Chemical protection of rolling stock: problems and solutions**

Andrey Golovinsky, Metal Protection Research and Production Enterprise OOO

Pavilion 2, Hall 1, Presentation Hall

10:00—18:00 **3rd International Tank Container Forum**

Organised by: Tank Container World OOO

Supported by: the Eurasian Union of Railway Participants (EURP)

Key topics:

— Trends in the development of the tank container operator, repair and maintenance business

— Specifics of transport logistics and tank-container fleet management

— Environmental aspects of the development of washing and steaming stations

— Development of new regulatory documents governing the industry

— Specifics of using certain types of equipment, including cryogenic tank containers (T75)

Participants include Hoyer, Den Hartogh, FESCO, Eurotainer, VTG, Albatross Tank-Leasing, RZD-Logistics AO, SG-Trans AO, Modul OOO

Pavilion Forum, Southern Hall

15:00—18:00 **9th Moscow International Chemical Forum General Assembly of the Russian Chemists Union**

Organised by: the Russian Chemists Union, EXPOCENTRE AO

Pavilion 7, Conference Hall

October 28, 2021, Thursday

10:30—12:00 **9th Moscow International Chemical Forum Session on the ESG Trends in the Chemical Industry: Environmental, Social and Governance Responsibility**

Organised by: EXPOCENTRE AO, the Russian Chemists Union

Partners: Sberbank PAO, the Business Russia Public Organisation

Online

15:00—18:00 **9th Moscow International Chemical Forum International Conference on Self-regulation Practices in the Implementation of Sustainable Development in Chemical Enterprises**

Organised by: EXPOCENTRE AO, the Russian Chemists Union

Supported by: the International Council of Chemical Associations (ICCA)

With participation of the European Chemical Industry Council (CEFIC) and the International Union of Pure and Applied Chemistry (IUPAC)

Online

11:00—16:00 **3rd CORRUSCHEM International Conference: Modern Corrosion Prevention Technologies in the Chemical and Petrochemical Industries**

Programme:

Block 1. Optimising technological processes for corrosion protection

11:10 **Corrosion and surface preparation in manufacturing industries: a history and a look into the future**

Alec Groysman, Technion (the Israel Institute of Technology), Haifa, Israel

11:50 **Improving the test suite for assessing internal corrosion conditions to protect gas production facilities**

D. Zapevalov, R. Vagapov, K. Ibatullin, Scientific-Research Institute of Natural Gases and Gas Technologies OOO - VNIIGAZ Gazprom

Block 2. Operating conditions of steel equipment and options of corrosion protection methods

12:10 **Hydrogen sulphide corrosion and equipment protection in the gas industry. Reference guide**

L. Moiseeva, A. Makarov, the Moscow Architectural Institute (MArchI), the Research Laboratory

12:30 **Analysis of the degradation process of the strength characteristics of ferrite-perlite pipe steels under the influence of hydrogen cathode and operating pressure in the pipeline**

V. Khizhnyakov, A. Negodin, the Tomsk State University of Architecture and Building

Block 3. Metal corrosion inhibitors

14:00 **Polyfunctional properties of hydrogen sulphide corrosion inhibitors of steel series INKORGAZ and AMDOR**

L. Tsygankova, the Derzhavin Tambov State University, Tambov

14:20 **Mixture of octadecylamine and benzotriazole as a universal chamber corrosion inhibitor**

O. Goncharova, N. Andreev, A. Luchkin, the Frumkin Institute of Physical Chemistry and Electrochemistry of the Russian Academy of Sciences

14:40 **Protective effect of imidazole derivatives in the acid corrosion of low carbon steel**

A. Berezhnaya, the Southern Federal University, Rostov-on-Don

15:00 **Stabilisation of superhydrophobic layers of organic inhibitors on the surface of aluminium alloys**

A. Semiletov, Yu. Kuznetsov, the Frumkin Institute of Physical Chemistry and Electrochemistry of the Russian Academy of Sciences

15:20 **Selection of inhibitors for styrene-acrylic dispersion primer AKRATAM AS 07.1**

A. Uryadnikov, the Derzhavin Tambov State University, Tambov

15:40 **Some corrosion problems in agricultural production and their solutions**

L. Knyazeva, A. Zavrazhnov, the Russian Scientific Research Institute for the Use of Machinery and Oil Products in Agriculture, Tambov

Organised by: the Chemical Machinery Cross-sectoral Journal, EXPOCENTRE AO

Partner: the Tambov State Technical University

Online

October 29, 2021, Friday

10:30—13:00 **9th Moscow International Chemical Forum Panel on Human Resource Development in the Chemical Industry**

Moderated by: Maria Ivanova, First Vice President of the Russian Chemists Union

Organised by: EXPOCENTRE AO, the Russian Chemists Union

Online

13:30—16:00 **9th Moscow International Chemical Forum Final meeting of the Professional Skills Council for the Chemical and Biotechnology Sector**

Moderated by: Maria Ivanova, First Vice President of the Russian Chemists Union

Organised by: EXPOCENTRE AO, the Russian Chemists Union

Online

* **Subject to alteration**