**PROGRAM**

**ХVII International Biotechnology Forum**

**«** **RosBioTech-2024»**

**«Biotechnology in industry, agriculture and healthcare: modern challenges and promising areas of development**

**(to the 300th anniversary of the Russian Academy of Sciences)»**

**ROSBIOTECH-2024**

***April 17-19, 2024***

***Moscow***

**Forum Organizers:**

Russian Academy of Sciences:

• Department of Nanotechnology and Information Technologies of the Russian Academy of Sciences

• Department of Medical Sciences of the Russian Academy of Sciences

• Department of Agricultural Sciences of the Russian Academy of Sciences

• International Cooperation Committee

• Youth section of the RAS Commission for the Study of the Scientific Heritage of Outstanding Scientists

• Gorbatov Research Center for Food Systems, Russian Academy of Sciences

• Russian Biotechnology University (ROSBIOTECH)

• Russian National Committee of the International Scientific Radio Union (URSI)

• Russian New University

• Russian-Indian Scientific and Technological Center

• Baikal Project Office National Consortium

• Institute of Environmental Health

**Forum Arranger** - «Innovatika – Expo», JSC

**Supported by:**

• Ministry of Science and Higher Education of the Russian Federation

• Ministry of Health of the Russian Federation

• Ministry of Agriculture of the Russian Federation

• Russian-Chinese Chamber for the Promotion of Trade in Machine-Technical and Innovative Products

• State Center for Expertise in the Field of Science and Innovation of the Federal State Budgetary Scientific Institution "Research Institute - Republican Research Scientific and Consulting Center of Expertise"

• Center for Innovative Development of Energy Sectors of the Institute of Energy Research of the Russian Academy of Sciences

• Institute of Design and Technological Informatics of the Russian Academy of Sciences

• Eurasian Center for High Technologies

• Council of Young Scientists of the Russian Academy of Sciences

• Federal Research Center for Nutrition, Biotechnology and Food Safety

• Russian Ecological Society

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| **April 18, 2024**  **Gorbatov Research Сenter for Food System RAS, Talalikhina 26, Moscow** | |
| **10:00 – 16:00** | **Section**  **Food Biotechnology and Strategies for food systems development** |
| **to the 300th Anniversary of the Russian Academy of Sciences and**  **the 95th Anniversary of the All-Russian Academy of Agricultural Sciences** | |
|  | **Organizers:**  Department of Agricultural Sciences of the Russian Academy of Sciences  Gorbatov Research Сenter for Food System RAS  Russian Biotechnology University (ROSBIOTECH)  «Innovatika – Expo», JSC |
|  | **Moderators:**  **LISITSYN Andrey Borisovich** — Scientific Director, Gorbatov Research Center for Food Systems of RAS, Academician of RAS, Doctor Tech. Sci., Professor  **CHERNUKHA Irina Mikhaylovna** — Principal Researcher, Gorbatov Research Center for Food Systems of RAS, Academician of RAS, Doctor Tech. Sci., Professor |
|  | **Welcome speech:**  **DOLGUSHKIN Nikolay Kuzmich -** Vice-President of the Russian Academy of Sciences, Academician of RAS, Doctor Econ. Sci., Professor  **Greetings:**  **KUZNETSOVA Oksana Aleksandrovna –** Director, Gorbatov Research Center for Food Systems of RAS, Doctor Techn. Sci.  **SOLDATOV Alexander Anatolyevich -** Acting Rector of the Russian Biotechnological University (ROSBIOTECH), Candidate Techn. Sciences, Associate Professor  **FEDOROV Alexey Nikolaevich -** Director of the Federal Research Center of Biotechnology of the Russian Academy of Sciences, Doctor Bio. Sci.  **EFREMOVA Galina Ivanovna -** Vice-Rector, Russian Biotechnology University (ROSBIOTECH), Doctor Psychol. Sci., Professor, Corresponding member of Russian Academy of Education  **Cultural and Educational Advisor, Embassy of the Republic of Afghanistan in Moscow**  **Representative of AMITY University (India)** |
| **10:30 – 14:00** | **Invited speakers:** |
|  | **Lindsay BROWN** *–* Professor, Griffith University, PhD, Australia  ***Use of algae in metabolic syndrome*** |
|  | **КЕ Zhao** – Associate Professor, Institute of Food Sciences, Zhejiang Academy of Agricultural Sciences, PhD, China  ***Biotechnology development in China*** |
|  | **SOLDATOV Alexander Anatolyevich -** Acting Rector of the Russian Biotechnological University (ROSBIOTECH), Candidate Techn. Sciences, Associate Professor  ***ROSBIOTECH as the basis of human and technological sovereignty of the country's food security*** |
|  | **SHISHKIN Sergey Sergeevich –** Professor, Federal Research Center "Fundamental Foundations of Biotechnology," Doctor. Biol. Sci.  **TITOVA Ekaterina Sergeevna -** Leading Researcher, Plekhanov Russian University of Economics, Candidate Econ. Sci.  ***Development of the post-genomic period in the life sciences: "omics" and big data. From biotechnology to bioeconomy and food processing*** |
|  | **Naveena** **B. MAHESWARAPPA** *–*Principal Investigator, National Meat Research Centre, PhD, India  ***Water buffalo meat*** |
|  | **XinqingXIAO** *–* Associate Professor, College of Engineering, Chinese Agricultural University, PhD, China  ***Food quality monitoring with flexible wireless biosensors*** |
|  | **TIKHONOV Sergey Leonidovich –** Director, Scientific and Educational Center "Applied Nanobiotechnology," Professor of the Department of Food Engineering of Agricultural Production, Ural State Agrarian University, Doctor Tech. Sci., Professor  **CHERNUKHA Irina Mikhailovna -** Principal Researcher, Gorbatov Research Center for Food Systems of RAS, Academician of RAS, Doctor Tech. Sci., Professor  ***Molecular peptide transplantation as a tool for creating next-generation peptides*** |
|  | **MASHENTSEVA Natalya Gennadievna -** Professor, Department of Biotechnology and Technology of Bioorganic Synthesis Products, Russian Biotechnological University (ROSBIOTECH), Doctor Tech. Sci.  **FOMENKO Ivan Andreevich -** Associate Professor of the Department of Biotechnology and Technology of Bioorganic Synthesis Products, Russian Biotechnological University (ROSBIOTECH), Candidate Techn. Sci.  ***Characterization of chickpea peptides (Cicer arietinum L.) obtained by microbial and enzymatic proteolysis*** |
|  | **GANENKO Lilia Aleksandrovna -** Endocrinologist, Assistant of the Department of Internal Medicine, Rostov State Medical University, Candidate Med. Sci.  **VOLKOVA Natalya Ivanovna -** Head of the Department of Internal Medicine, Rostov State Medical University, Doctor Med. Sci., Professor  **SHESTOPALOV Alexander Vyacheslavovich -** Director of the Department of Postgraduate Education, Residency, Postgraduate Studies of the National Medical Research Center for Pediatric Hematology, Oncology and Immunology named after Dmitry Rogachev, Doctor Med. Sci., Professor  ***Metabolically healthy obesity, what's behind the name?*** |
|  | **SARGSYAN Varuzhan Ambartsumovich -** Senior Researcher, Federal Research Center of Nutrition and Biotechnology, candidate. tech. sciences  ***Sweet proteins as promising food ingredients*** |
|  | ***Scientific discussions*** |
| **13:30-14:00** | ***COFFEE BREAK*** |
| **14:00-16:00** | **Online short presentations** |
|  | **MINAKOV Denis Viktorovich -** Associate Professor, Department of Organic Chemistry, Institute of Chemistry and Chemical-Pharmaceutical Technologies, Altai State University, Candidate Biol. Sci.  ***Scientific and practical aspects of the use of higher fungi in technologies for producing biologically active substances*** |
|  | **POTOROKO Irina Yurievna -** Head. Department of Food and Biotechnology, South Ural State University, Doctor Tech. Sci., Professor  **KALININA Irina Valerievna -** Professor, Department of Food and Biotechnology, South Ural State University, Doctor Tech. Sci., Associate Professor  **RUSKINA Alena Alexandrovna -** Senior Lecturer, Department of Food and Biotechnology, South Ural State University  **MALININ Artem Vladimirovich -** Assistant,Department of Food and Biotechnology, South Ural State University  ***Non-thermal effects of cold plasma and ultrasound in technologies for blocking the activity of toxigenic molds, the main producers of mycotoxins*** |
|  | **ZUBAREV Yuri Nikolaevich -** Deputy Director of the Gorbatov Research Center for Food Systems of RAS  ***Modern ways to eliminate iodine deficiency*** |
|  | **SOKOLOVA Olga Vyacheslavovna. -** Candidate of Engineering Science, All-Russian Dairy Research Institute  ***Violation of biosystems integrity*** |
|  | **ILYIN Nikolay -** postgraduate student, senior laboratory assistant of the Gorbatov Research Сenter for Food System RAS  ***Romanov Spectroscopy: Development History and Applications*** |
|  | **GERNUG Hatem -** postgraduate student, Department of Functional Food Design and Nutrition, Russian Biotechnology University (ROSBIOTECH), Algeria  ***Comparative analysis of fatty acid composition of olive oil from Mediterranean countries*** |
|  | **QUSAY Abu Trabi -** postgraduate student, Department of Functional Food Design and Nutrition, Russian Biotechnology University (ROSBIOTECH), Syria  ***Optimization of the composition of the national Syrian dish "Muhammara" to strengthen the functional focus*** |
|  | **AHANGARAN Mahbubeh -** postgraduate student**,** Department of Biotechnology and Bioorganic Synthesis Products Technology, Russian Biotechnology University (ROSBIOTECH), Iran  **GARAVIRI Mahmoud, -** graduate student**,** Department of Biotechnology and Bioorganic Synthesis Products Technology, Russian Biotechnology University (ROSBIOTECH), Iran  ***Alteration of chickpea proteins by microbial proteases*** |
|  | **ASHIKHMINA Maria -** postgraduate student, the junior researcher of scientific education center of an infokhimiya of the National ITMO research university  **ZENKIN Artemy -** postgraduate student, the assistant to scientific education center of an infokhimiya of the National ITMO research university  ***Application of multi-purpose approach for forecasting of intensity of taste of peptides minds*** |
|  | **SHAPOVALOVA Polina Nikolaevna –** Assistant, Department of Technology for Storage and Processing of Fruit and Vegetable and Crop Products of Russian State Agrarian University - Moscow Timiryazev Agricultural Academy  **KONNOVA Olga Ivanovna -** Assistant, Department of Technology of Goods and Commodity Science, Astrakhan State Technical University  ***Production of inulin from Jerusalem artichoke and chicory: issues of technology development*** |
|  | **YURASKINA Tatyana Vladimirovna. -** Junior Researcher, VNIIPBT - branch of the Federal State Budgetary Institution "Federal Research Center of Nutrition and Biotechnology"  **SOKOLOVA Elena Nikolaevna -** Leading researcher, candidate of biological sciences, VNIIPBT **-** branch of the Federal State Budgetary Institution "Federal Research Center of Nutrition and Biotechnology"  ***Development of technology for production of bakery yeast enriched with microelements saccharomyces cerevisiae*** |
| **16:00** | ***Closing the Section*** |