

Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing
Russian Academy of Sciences, Preventive Medicine Section of the Department of Medical Sciences
Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies
of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing
Department of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing in Perm Territory
Federal State Budgetary Educational Institution of Higher Education
Perm State Medical University named after Academician E.A. Wagner
of the Ministry of Health of the Russian Federation

PARTICIPANTS:

RISE, Specialized Group on Environment and Health

HEALTH RISK ANALYSIS – 2023
AND RISE-2023 MEETING ON ENVIRONMENTAL HEALTH

Dedicated to the Decade of Science and Technology in Russia

PROGRAM

The XIII All-Russian Scientific and Practical Conference with International Participants

Perm, May 17-19, 2023

Conference organizers

Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing
 Russian Academy of Sciences, Section of Preventive Medicine of the Department of Medical Sciences of the Russian Academy of Sciences
 Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the
 Federal Service for Supervision of Consumer Rights and Human Wellbeing Protection
 Department of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing in Perm Territory
 Federal State Budgetary Educational Institution of Higher Education
 Perm State Medical University named after Academician E.A. Wagner of the Ministry of Health of the Russian Federation

WITH THE PARTICIPATION OF:

RISE, Specialized Group on Environment and Health

Members of the Organizing Committee of the 13th All-Russian Scientific and Practical Conference
 with International Participants "Health Risk Analysis – 2023".

Chairman:	
Popova Anna Yurievna	Head of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing
Vice-Chairmen:	
Alekseev Vadim Borisovich	Director of the Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies
Zaitseva Nina Vladimirovna	Scientific Director of the Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies
Members of the Organizing Committee:	
Buzinov Roman Vyacheslavovich	Deputy Director of the Federal Budgetary Institution of Science North-Western Scientific Center for Hygiene and Public Health (to be confirmed)
Goryaev Dmitry Vladimirovich	Head of the Department of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing for Krasnoyarsk Territory (to be confirmed)
Zastenskaya Irina Alekseevna	Expert on chemical safety at the WHO Regional Office for Europe, European Center for Environment and Health (to be confirmed)
Kostarev Vitaly Gennadievich	Head of the Department of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing for Perm Territory (to be confirmed)
Koshurnikov Dmitry Nikolaevich	Chairman of the Council of Young Scientists and Specialists of the Federal Scientific Center for Medical and Preventive Health Risk Management Technologies
Letyushev Aleksandr Nikolaevich	Head of the Department of Scientific and Analytical Support of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing (to be confirmed)
Le Thi Hong Hao	Director of the National Institute for Food Control (Hanoi, SRV) (to be confirmed)
Luzhetsky Konstantin Petrovich	Deputy Director for Organizational and Methodological Work of the Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies
May Irina Vladislavovna	Deputy Director for Scientific Work of the Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies
Jacques Reis	Doctor of Medicine, University of Strasbourg, Strasbourg, France), RISE, Specialized Group on Environment and Health
Fedorenko Ekaterina Valeryevna	Deputy Director for Practical and Sanitary and Epidemiological Supervision and Work with the Republican Unitary Enterprise "Scientific and Practical Center for Hygiene" (Minsk, Republic of Belarus) (to be confirmed)
Feldblum Irina Viktorovna	Head of the Department of Epidemiology with a Course in Hygiene and Epidemiology of the Federal State Budgetary Educational Institution of Higher Professional Education Medical University named after Academician E.A. Wagner of the Ministry of Health of Russia (to be confirmed)
Chashchin Valery Petrovich	Chief Researcher, Institute of Ecology, National Research University Higher School of Economics (to be confirmed)
Secretarial Office of the Conference:	
Sergeeva Elena Vasilievna	Head of the PR and International Relations Subdivision at the Federal Scientific Center for Medical and Preventive Health Risk Management Technologies
Tsinker Maria Mikhailovna	Head of the Department of Scientific and Patent Information of the Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies
Alekseeva Alla Vadimovna	Editor at the Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies

CONFERENCE PROGRAM

Session 1

ANALYSIS OF PUBLIC HEALTH RISK IN SOLVING URGENT STRATEGIC TASKS AT THE CURRENT STAGE

Moderators:

Alekseev Vadim Borisovich, Doctor of Medicine, Director of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Zaitseva Nina Vladimirovna, Doctor of Medicine, Professor, Academician of the Russian Academy of Sciences, Scientific Director of the Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Irina Vladislavovna May, Doctor of Biology, Professor, Deputy Director for Science of the Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing.

1.1	<p>Methodology for assessing the risk to public health in ensuring the sanitary and epidemiological wellbeing of the Russian Federation <i>Academician of the Russian Academy of Sciences, Doctor of Medicine, Prof. N.V. Zaitseva, Doctor of Medicine P.Z. Shur, Doctor of Medicine V.B. Alekseev, Doctor of Medicine, Prof. I.V. May</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia</p>
1.2	<p>Experience and prospects of using the methodology of health risk assessment when exposed to hazardous chemicals <i>Academician of the Russian Academy of Sciences, Doctor of Medicine, Prof. Yu.A. Rachmanin</i> Center for Strategic Planning of the Federal Medical and Biological Agency of Russia, Moscow, Russia</p>
1.3	<p>Global climate change and neurology <i>Doctor of Medicine Jacques Reis</i> RISE, International Specialized Group on Environment and Health, Strasbourg, France</p>
1.4	<p>Scientific and methodological support of the tasks for social and hygienic monitoring in the implementation of the "Ecology" national project <i>Doctor of Medicine, prof. S.V. Kuzmin</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia</p>
1.5	<p>Topical issues of training specialists in preventive medicine <i>Doctor of Medicine, Prof. A.V. Meltzer</i> North-Western State Medical University named after I.I. Mechnikov of the Ministry of Health of Russia, St. Petersburg, Russia</p>
1.6	<p>Green areas as the most important factor in preserving the health of urban populations <i>Doctor of Medicine, Prof. B.A. Revich</i> Institute of National Economic Forecasting of the Russian Academy of Sciences, Moscow, Russia</p>
1.7	<p>Changing social russian activities in pandemic conditions <i>Academician of the Russian Academy of Sciences, Doctor of Medicine, Doctor of Sociology Prof. A.V. Reshetnikov</i> <i>Candidate of Sociology N.V. Prisyazhnaya, N.Yu. Vyatkina</i> I.M. Sechenov First Moscow State Medical University of the Ministry of Health of the Russian Federation (Sechenov University), Moscow, Russia</p>
1.8	<p>Microplastics in water – a novel health risk factor <i>Corresponding member of the Russian Academy of Sciences, Doctor of Medicine, Prof. O.O. Sinityna, G.B. Eremin, Doctor of Medicine V.V. Turbinsky, Doctor of Medicine, Prof. M.V. Pushkareva, M.A. Shiryayeva, D.S. Borisova, O.L. Markova</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia</p>
1.9	<p>Digital environment at a modern school: current condition, development trends, problems and risks to the health of students <i>Corresponding member of the Russian Academy of Sciences, Doctor of Medicine, Prof. V.R. Kuchma, Doctor of Medicine, M.A. Polenova, Candidate of Medicine A.S. Sedova</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia</p>
1.10	<p>Pharmaceutical products and their derivatives in water bodies as a factor of ecological and hygienic risk <i>Doctor of Medicine, Associate Professor B.I. Marchenko, A.A. Nazaryants, O.A. Nesterova</i> Southern Federal University, Rostov-on-Don, Russia</p>
1.11	<p>Problems of soil quality assessment in the framework of social and hygienic monitoring and assessment of public health risk <i>Candidate of Medicine I.S. Evseeva</i> Center for Strategic Planning of the Federal Medical and Biological Agency of Russia, Moscow, Russia</p>
1.12	<p>DALY indicator as a measure of radiation risk to the health of the population of the Russian Federation <i>L.V. Repin</i> Federal Budgetary Institution of Science St. Petersburg Scientific Research Institute of Radiation Hygiene named after</p>

	Professor P.V. Ramzayev of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, St. Petersburg, Russia
1.13	Analysis of the state of nutrition in the Russian Federation <i>Candidate of Medicine V.N. Rusakov</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia
1.14	Health care as part of family culture: research perspectives of a new context <i>Doctor of Sociology S.A. Sudyin</i> National Research University of Nizhny Novgorod named after N.I. Lobachevsky, Nizhny Novgorod, Russia

Session 2

TECHNOLOGIES, METHODS AND RESULTS OF SOCIAL AND HYGIENIC MONITORING: GENERAL AND REGIONAL ASPECTS

Moderators:

Zaitseva Nina Vladimirovna, Academician of the Russian Academy of Sciences, Doctor of Medicine, Professor, Scientific Director of the Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Irina Vladislavovna May, Doctor of Biology, Professor, Deputy Director for Science of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Pavel Zalmanovich Shur, Doctor of Medicine, Scientific Secretary of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing.

2.1	Modern scientific and methodological approaches and tools in the system of social and hygienic monitoring for information and analytical support of management decisions at all levels <i>Academician of the Russian Academy of Sciences, Doctor of Medicine, Prof. Zaitseva N.V., Doctor of Medicine, Prof. May I.V., Doctor of Medicine, Prof. of the Russian Academy of Sciences S.V. Klein</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
2.2	Monitoring and evaluation of parasitocidal effectiveness of ultraviolet irradiation in the disinfection of potable and waste water <i>Candidate of Biological Sciences, M.M. Aslanova^{1,2}, A.F. Shegurova^{1,3}</i> ¹ Center for Strategic Planning of the Federal Medical and Biological Agency of Russia, Moscow, Russia ² Russian Medical Academy of Continuing Professional Education of the Ministry of Health of Russia, Moscow, Russia ³ State University of Education, Mytishchi, Russia
2.3	Polyaromatic hydrocarbons in food products, atmospheric air, water of centralized drinking water supply systems: assessment of pollution levels and health risks <i>N.A. Dolgina, Candidate of Medicine E.V. Fedorenko, Candidate of Medicine Drozdova</i> Republican Unitary Enterprise Scientific and Practical Center of Hygiene, Minsk, Republic of Belarus
2.4	Comparative assessment of mercury hazard for residents of the exposed territories of Russia and Kazakhstan (on the example of a focus group of fishermen) <i>N.V. Efimova¹, L.E. Shinetova², S.A. Bekeeva³</i> ¹ Eastern Siberian Institute of Medical and Ecological Research, Angarsk, Russia, ² L.N. Gumilyov Eurasian National University, Astana, Republic of Kazakhstan ³ S.Seifullin Agrotechnical Research University, Astana, Republic of Kazakhstan
2.5	Approaches to hygienic assessment of health effects at dust particle emissions <i>Candidate of Technical Sciences V.A. Kislitsin, Candidate of Medicine N.S. Dodina, Candidate of Medicine T.A. Shashina, N.N. Ryzhakov</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia
2.6	Hygienic assessment of the risk of obesity in conditions of complex exposure to disruptors contained in potable water <i>Candidate of Medicine D.A. Kryazhev, Doctor of Medicine, Prof. V.M. Boev</i> Orenburg State Medical University of the Ministry of Health of Russia, Orenburg, Russia
2.7	Assessment of the hazard of deicing materials for public health based on sociological survey (questionnaire) <i>A.Z. Kulikova</i> Center for Strategic Planning of the Federal Medical and Biological Agency of Russia, Moscow, Russia
2.8	Artificial neural networks in the tasks of improving information and analytical support for toxicological monitoring <i>Doctor of Medicine, Associate Professor B.I. Marchenko, O.A. Nesterova</i> Southern Federal University, Rostov-on-Don, Russia
2.9	Anthropogenic load on the environment according to the results of socio-hygienic and environmental monitoring in Taganrog, Rostov Region <i>Doctor of Medicine, Associate Professor B.I. Marchenko, K.S. Tarasenko</i> Southern Federal University, Rostov-on-Don, Russia

2.10	Water quality in centralized systems for potable and household water supply systems in the Russian Arctic <i>Yu.A. Novikova, N.A. Tikhonova, O.I. Kopytenkova</i> North-Western Scientific Center of Hygiene and Public Health of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, St. Petersburg, Russia
2.11	On some preliminary results of the "Clean Air" federal project implementation, given the new hygienic standards <i>Candidate of Medicine, Associate Professor E.L. Ovchinnikova^{1,2}, A.S. Kriga, A.S. Kolchin, M.N. Cherkashina, I.G. Vinokurova</i> ¹ Omsk State Medical University of the Ministry of Health of the Russian Federation ² Center of Hygiene and Epidemiology in Omsk region, Omsk, Russia
2.12	Influence of atmospheric air pollution on the incidence of circulatory system diseases in Arkhangelsk <i>T.N. Rastokina, Doctor of Medicine T.N. Ungurianu</i> Northern State Medical University of the Ministry of Health of Russia, Arkhangelsk, Russia
2.13	Analysis of chemical safety of food raw materials and food products produced in Arkhangelsk region <i>D.A. Stepovaya¹, M.S. Petrov², K.V. Krutskaya²</i> ¹ Northern State Medical University of the Ministry of Health of Russia, Arkhangelsk, Russia ² Center of Hygiene and Epidemiology for Arkhangelsk Region and Nenets Autonomous District, Arkhangelsk, Russia
2.14	Health risk assessment of children under the influence of chemical pollutants in the soil in Moscow <i>L.Yu. Tregubova</i> Center for Strategic Planning of the Federal Medical and Biological Agency of Russia, Moscow, Russia
2.15	Public health risk associated with exposure to chemicals in burial areas (on the example of Tula cemetery) <i>Candidate of Medicine O.V. Ushakova</i> Center for Strategic Planning of the Federal Medical and Biological Agency of Russia, Moscow, Russia
2.16	Analysis of atmospheric air quality monitoring in populated areas in the Arctic zone of the Russian Federation <i>V.N. Fedorov, Candidate of Medicine A.A. Kovshov, Candidate of Medicine I.O. Myasnikov</i> North-Western Scientific Center of Hygiene and Public Health of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, St. Petersburg, Russia

Session 3

RISK-BASED SUPERVISION: GENERAL APPROACHES AND METHODOLOGICAL SUPPORT

Moderators:

May Irina Vladislavovna, Doctor of Biology, Professor, Deputy Director for Scientific Work at the Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Svetlana Vladislavovna Klein, Doctor of Medicine, Professor of the Russian Academy of Sciences, Head of the Department of System Methods of Sanitary and Hygienic Analysis and Monitoring of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Kiryakov Dmitry Aleksandrovich, Candidate of Technical Sciences, Head of the Department of Mathematical Modeling of Systems and Processes of the Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing.

3.1	To the tasks of integrating a risk-based model of supervision and social and hygienic monitoring <i>Academician of the Russian Academy of Sciences, Doctor of Medicine, Prof. N.V. Zaitseva, Doctor of Medicine, Prof. I.V. May</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
3.2	Methodology for measuring the levels of migration of toxic elements from packaging to model media simulating food products <i>Candidate of Technical Sciences I.V. Drebenkova</i> Republican Unitary Enterprise Scientific and Practical Center of Hygiene, Minsk, Republic of Belarus
3.3	Key problems of public health risk assessment when establishing sanitary protection zones of enterprises <i>S.E. Zelenkin, D.V. Suvorov, V.A. Fokin</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
3.4	Risk management approaches to the activities of food industry enterprises in the context of the new requirements of the Russian legislation <i>V.I. Kozubskaya, Doctor of Medicine V.B. Gurvich, Candidate of Medicine T.V. Mazhaeva, S.V. Sinitsyna</i> Federal Budgetary Institution Ekaterinburg Medical Scientific Center for Prevention and Health Protection of Industry Workers of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Ekaterinburg, Russia
3.5	Determination of toxic compounds and elements in human biological media as evidence-based sources of chemical hazards <i>Doctor of Biology, Associate Professor T.V. Nurislamova</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia

3.6	<p>Quality assessment of food products for the content of genetically modified components in matrix format</p> <p><i>E.A. Otavina, O.A. Kazakova, Doctor of Medicine O.V. Dolgikh</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia</p>
3.7	<p>Substantiation of priority potentially dangerous chemicals identified in meat and meat-and-vegetable canned food products for infant nutrition</p> <p><i>D.V. Suvorov, S.E. Zelenkin</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia</p>

Session 4

FUNDAMENTAL RESEARCH IN THE FIELD OF CELLULAR, SUBCELLULAR AND GENETIC DIAGNOSTICS OF THE ADVERSE IMPACT OF ENVIRONMENTAL FACTORS ON HEALTH

Moderators:

Zemlyanova Marina Aleksandrovna, Doctor of Medicine, Associate Professor, Head of the Department of Biochemical and Cytogenetic Diagnostic Methods of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Dolgikh Oleg Vladimirovich, Doctor of Medicine, Head of the Department of Immunobiological Diagnostic Methods of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Nurislamova Tatiana Valentinovna, Doctor of Medicine, Head of the Department of Chemical and Analytical Research Methods, Federal Scientific Center for Medical and Preventive Health Risk Management Technologies

4.1	<p>The possible practical applications of gut microbiome research in the prevention, diagnosis, assessment of and treatment modification for Multiple Sclerosis</p> <p><i>Zjukovskaja, Christinal</i> ¹RISE (Rencontres Internationales Sant� Environnement), Strasbourg, France</p>
4.2	<p>Development of method for determination and quantification of alternaria mycotoxins in food by high resolution mass spectrometry (lc-hrms)</p> <p><i>Vu Ngoc Tu, Nguyen Thi Hong Ngoc, Tran Cao Son</i> National Institute for Food Control, Hanoi, Vietnam</p>
4.3	<p>Toxico-pharmacological properties of newly synthesized heterocyclic aromatic organic compounds on the example of pyrroles</p> <p><i>Candidate of Medicine, Associate Professor D.G. Dianova ^{1,2}, V.L. Gein ², O.O. Senokosova ², Doctor of Medicine O.V. Dolgikh¹</i> ¹Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies at the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia ²Perm State Pharmaceutical Academy of the Ministry of Health of Russia, Perm, Russia</p>
4.4	<p>Experimental study of combined effect of exogenous biological and chemical factors in vitro (based on the example of SARS-CoV-2 and benzo[a]pyrene)</p> <p><i>Doctor of Medicine O.V. Dolgikh</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia</p>
4.5	<p>Polymorphic variants of enzyme genes of the xenobiotic detoxification system CYP2E1, GSTM1, GSTT1, EPHX1 as biomarkers of sensitivity to exposure by-products of water treatment (on the example of chloroform)</p> <p><i>Candidate of Medicine, Associate Professor E.V. Drozdova</i> Republican Unitary Enterprise Scientific and Practical Center of Hygiene, Minsk, Republic of Belarus</p>
4.6	<p>Embryotoxic effect of anatoxin-a</p> <p><i>Candidate of Medicine, N.V. Kuz, Corresponding member of the Russian Academy of Sciences, Doctor of Medicine, Prof. O.O. Sinitsyna, Doctor of Medicine V.V. Turbinsky</i> Federal State Budgetary Institution Federal Scientific Center of Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia Scientific Center of Hygiene named after F.F. Erismanof the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia</p>
4.7	<p>The influence of environmental factors on humoral immunity against whooping cough in schoolchildren</p> <p><i>V.G. Makarov</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia</p>
4.8	<p>Nanotoxicology: scientific analysis of experimental data</p> <p><i>Doctor of Biology I.A. Minigalieva</i> Federal Budgetary Institution Ekaterinburg Medical Scientific Center for Prevention and Health Protection of Industry Workers of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Ekaterinburg, Russia</p>

4.9	Phagocytic activity of leukocytes in children living under conditions of aerogenic exposure to benzo[a]pyrene <i>N.A. Nikonoshina</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
4.10	Molecular genetic characteristics and specific features of wastewater enterococci in comparison with normal human microbiota <i>Candidate of Medicine G.V. Pai</i> Center for Strategic Planning of the Federal Medical and Biological Agency of Russia, Moscow, Russia
4.11	Combined effects of natural and technogenic chemical compounds on immunoregulation in vitro (on the example of CGF factor and benzo[a]pyrene) <i>A.S. Shirinkina</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
4.12	Evaluation of immune regulation indicators in children, under conditions of aerogenic exposure to heavy metals <i>N.A. Vdovina</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
4.13	Analysis of respiratory function of mitochondria of cell cultures exposed to arsenic <i>Yu.V. Gribova, Candidate of Medicine T.V. Bushueva, A.K. Labzova, E.P. Karpova, Candidate of Medicine R.R. Sakhautdinova</i> Federal Budgetary Institution Ekaterinburg Medical Scientific Center for Prevention and Health Protection of Industry Workers of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Ekaterinburg, Russia

Session 5

MODERN METHODS OF DIAGNOSTICS, CORRECTION AND PREVENTION OF HEALTH DISORDERS ASSOCIATED WITH ENVIRONMENTAL AND EDUCATIONAL RISK FACTORS IN CHILDREN

Moderators:

Luzhetsky Konstantin Petrovich, Doctor of Medicine, Deputy Director for Organizational and Methodological Work of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Valina Svetlana Leonidovna, Candidate of Medicine, Head of the Department for Hygiene of Children and Adolescents at the Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Daria Nikolaevna Lir, Candidate of Medicine, Senior Researcher, Head of the Department of Health Risk Analysis of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing

5.1	Characteristics of the formation of cognitive dysfunctions in children under conditions of exposure to anthropogenic chemical factors <i>Candidate of Medicine S.L. Valina, Candidate of Medicine O.A. Kobyakova, Doctor of Medicine. O.Yu. Ustinova, M.A. Savinkov</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
5.2	Biomarkers of exposure and adverse effects in children with respiratory diseases and comorbid conditions associated with aerogenic combined exposure by chemical factors <i>Doctor of Medicine M.A. Zemlyanova</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
5.3	Approaches to assessing the interrelations between physical factors of the school environment and the status of neuroendocrine and immune systems of students <i>Doctor of Medical Sciences, Associate Professor D.V. Lanin¹, K.N. Likhachev²</i> ¹ Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies at the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia ² Center of Hygiene and Epidemiology in Perm Territory
5.4	Approaches to assessing the acylcarnitine spectrum and lipid profile of children's nutrition <i>Candidate of Medicine T.V. Mazhaeva, A.I. Chemezov, Doctor of Medicine. M.P. Sutunkova, Y.S. Chernova</i> Federal Budgetary Institution Ekaterinburg Medical Scientific Center for Prevention and Health Protection of Industry Workers of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Ekaterinburg, Russia
5.5	Characteristics of chronic lymphoproliferative pathology of the nasopharynx in children with persistent herpetic infection in conditions of aerogenic chemical contamination <i>Doctor of Medicine O.A. Maklakova</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia

5.6	Pathological involvement of secondary school students and factors of educational process affecting the state of health <i>Candidate of Medicine I.E. Shtina, Candidate of Medicine L.V. Oshev, Doctor of Medicine. O.Yu. Ustinova, Candidate of Medicine S.V. Valina</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
5.7	Assessment of the immunological health of children exposed to prolonged exposure to aluminum emissions <i>I.N. Alikina</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
5.8	Analysis of the influence of diet, lifestyle and social factors on the development of disorders of the endocrine system in schoolchildren <i>D.R. Khismatullin</i> Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia

Session 6

RISK ANALYSIS IN OCCUPATIONAL MEDICINE

Moderators:

Alekseev Vadim Borisovich, Doctor of Medicine, Director of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Ustinova Olga Yuryevna, Doctor of Medicine, Deputy Director for Clinical Work of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Nosov Aleksandr Evgenievich, Candidate of Medicine, Head of the Department of Radiation and Functional Diagnostics of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing.

6.1	Modern information technologies and tools in the prevention of the spread of infectious diseases, taking into account the peculiarities of the organization of the labor process <i>Doctor of Medicine V.B. Alekseev, Academician of the Russian Academy of Sciences, Doctor of Medicine, prof. N.V. Zaitseva, Doctor of Medicine K.P. Luzhetsky</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
6.2	Corporate programs for the prevention of production-related diseases of industry workers <i>Academician of the Russian Academy of Sciences, Doctor of Medicine, Prof. N.V. Zaitseva, Doctor of Medicine, associate professor O.Yu. Ustinova</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
6.3	Current issues of occupational risk assessment <i>Doctor of Medicine, Prof. A.V. Meltzer</i> North-Western State Medical University named after I.I. Mechnikov of the Ministry of Health of Russia, St. Petersburg, Russia
6.4	Analysis of the risk of developing skin diseases among copper smelting workers <i>T.A. Beresneva</i> Federal Budgetary Institution Ekaterinburg Medical Scientific Center for Prevention and Health Protection of Industry Workers of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Ekaterinburg, Russia
6.5	Identification of immunological signs of impaired resistance to infections in employees of ferrous metallurgy plant <i>T.V. Bushueva¹, E.P. Karpova¹, N.A. Roslaya², A.K. Labzova¹</i> ¹ Federal Budgetary Institution Ekaterinburg Medical Scientific Center for Prevention and Health Protection of Industry Workers of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Ekaterinburg, Russia ² Ural State Medical University of the Ministry of Health of Russia, Yekaterinburg, Russia
6.6	Current issues of normalizing thermal condition of workers in a heating microclimate in the mining industry <i>Doctor of Medicine A.M. Egorova</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia
6.7	Medical masks in the perspective of impact on the physical condition of medical workers <i>Candidate of Medicine A.V. Zelenko, E.A. Semushina, O.K. Sinyakova, E.S. Shcherbinskaya, S.N. Tolkach</i> Republican Unitary Enterprise Scientific and Practical Center of Hygiene, Minsk, Republic of Belarus
6.8	Health preservation the working population – current trends and forecasts <i>Doctor of Medicine I.V. Lapko, Doctor of Medicine, Prof. A.V. Zheglava</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia

6.9	The use of disinfectants based on polyhexamethylene guanidine as a risk factor for lung damage <i>Candidate of Biology Ya.I. Lebed-Sharlevich</i> Center for Strategic Planning of the Federal Medical and Biological Agency of Russia, Moscow, Russia
6.10	Safe conditions for the use of a disinfectant based on the sodium salt of dichlorizocyanuric acid <i>Candidate of Biology E.S. Manaeva</i> Center for Strategic Planning of the Federal Medical and Biological Agency of Russia, Moscow, Russia
6.11	Electromagnetic fields at workplaces with personal computers under the conditions of using information protection tools <i>Doctor of Medicine V.N. Nikitina, N.I. Kalinina, E.N. Dubrovskaya, V.P. Plekhanov</i> North-Western Scientific Center of Hygiene and Public Health of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, St. Petersburg, Russia
6.12	Changes in arterial stiffness in young women living under conditions of aerogenic exposure to nickel, copper and chromium <i>Candidate of Medicine A.E. Nosov, Doctor of Medicine O.Yu. Ustinova</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
6.13	Assessment of individual characteristics when working in an open area during the cold season <i>Candidate of Medicine E.M. Polyakova</i> North-Western Scientific Center of Hygiene and Public Health of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, St. Petersburg, Russia
6.14	Audiometric criteria for the risk of occupational hearing loss with combined exposure to noise and vibration <i>E.A. Preobrazhenskaya, Doctor of Medicine A.V. Sukhova</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia
6.15	Promising methods for comorbid impairment correction in occupational hearing loss <i>Doctor of Medicine A.V. Sukhova, E.A. Preobrazhenskaya</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia
6.16	Occupational risks and diseases in hydrocarbon extraction in the Russian Arctic <i>Doctor of Medicine S.A. Syurin, E.M. Polyakova, A.N. Kizeev</i> North-Western Scientific Center of Hygiene and Public Health of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, St. Petersburg, Russia
6.17	Conditions of exposure to rare earth elements and features of immune regulation in workers with post-covid syndrome <i>Yu.A. Chelakova</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia

Session 7

POSTER SESSION

Moderators:

Maklakova Olga Anatolyevna, Doctor of Medicine, Head of Outpatient Clinic of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Kamaltidinov Marat Reshidovich, Candidate of Physics and Mathematics, Senior Researcher, Head of the Laboratory of Situational Modeling and Expert-Analytical Management Methods of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Maxim Vladislavovich Glukhikh, Candidate of Medicine, Researcher of the Department of System Methods of Sanitary and Hygienic Analysis and Monitoring, Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing.

7.1	Use of interactive panels in school lessons: the parameters of screen brightness and visual fatigue of students <i>Doctor of Medicine I.E. Aleksandrova, M.V. Aizatoava</i> National Medical Research Center for Children's Health of the Ministry of Health of Russia, Moscow, Russia
7.2	Dust factor in the workers of the press-molding site of the production of fireclay-dinas refractories <i>E.P. Kashanskaya</i> Federal Budgetary Institution Ekaterinburg Medical Scientific Center for Prevention and Health Protection of Industry Workers of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Ekaterinburg, Russia
7.3	Approaches to assessment and empirical indicators of public satisfaction with atmospheric air quality <i>Doctor of Sociology N.A. Lebedeva-Nesevrya</i> ^{1,2} ¹ Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies at the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia ² Perm State National Research University, Perm, Russia

7.4	Hygienic characteristics of methods for obtaining polylactide materials intended for contact with food products <i>T.S. Osipova, E.V. Fedorenko, A.M. Bondaruk, V.G. Tsygankov, T.N. Svintilova</i> Republican Unitary Enterprise Scientific and Practical Center of Hygiene, Minsk, Republic of Belarus
7.5	Structure of cardiovascular pathology and risk factors for its development in patients with occupational sensorineural hearing loss during long-term observation <i>M.D. Rudoy, V.V. Troshin</i> Nizhny Novgorod Research Institute of Hygiene and Occupational Pathology of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Nizhny Novgorod, Russia
7.6	Monitoring of persistent organic pollutants in food and potable water in the Republic of Belarus in 2021-2022 <i>Candidate of Medicine, Associate Professor E.V. Fedorenko¹, E.V. Drozdova¹, I.V. Kondreskul², V.A. Shukevich², S.L. Itpaeva-Ludchik¹, L.L. Belysheva¹, T.P. Krymskaya¹, L.N. Zhurikhina¹, E.M. Pleshak¹, N.N. Knizhnikova¹</i> ¹ Republican Unitary Enterprise Scientific and Practical Center of Hygiene, Minsk, Republic of Belarus ² Republican Center of Hygiene, Epidemiology and Public Health, Minsk, Republic of Belarus

Session 8

CONTEST OF YOUNG SCIENTISTS

Moderators:

Kiryakov Dmitry Aleksandrovich, Candidate of Technical Sciences, Head of the Department of Mathematical Modeling of Systems and Processes of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Dolgikh Oleg Vladimirovich, Doctor of Medicine, Head of the Department of Immunobiological Diagnostic Methods of the Federal Research Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing;

Chetverkina Kristina Vladimirovna, Candidate of Medicine, Chairman of the Council of Young Scientists and Specialists of the Federal Budgetary Institution Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing.

8.1	Characteristics of lifestyle and well-being of students in Voronezh region before and after self-isolation periods associated with COVID-19 <i>M.G. Boldyreva</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia
8.2	Calculation of long-term exposure in risk assessment based on atmospheric air monitoring data <i>A.V. Voronova</i> Federal Scientific Center of Hygiene named after F.F. Erisman of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Mytishchi, Russia
8.3	Risk-based approach to preventing healthcare-associated infections among infectious disease hospital personnel <i>I.A. Egorov, Candidate of Medicine S.S. Smirnova, Doctor of Biology A.V. Semenov</i> Federal Budgetary Institution Virom Federal Research Institute of Viral Infections of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Ekaterinburg, Russia
8.4	Study of changes in the antioxidant activity of the body in professional drivers of motor transport in a large city <i>E.S. Zhukova, M.A. Pozdnyakova, L.V. Polyakova, A.M. Irkaeva, V.V. Chugunova</i> Nizhny Novgorod Research Institute of Hygiene and Occupational Pathology of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Nizhny Novgorod, Russia
8.5	Experience of using the SHSQ-25 questionnaire in assessing health status of medical university students <i>N.A. Kochetova, Doctor of Medicine G.A. Bezrukova</i> Saratov Medical Scientific Center of Hygiene of the Federal State Budgetary Institution Federal Research Center for Medical and Preventive Health Risk Management Technologies, Saratov, Russia
8.6	Use of software to assess changes in sanitary and hygienic indicators of potable water sources <i>D.A. Kuzyanov, I.S. Kosheleva, Yu.S. Gusev</i> Saratov Medical Scientific Center of Hygiene of the Federal State Budgetary Institution Federal Research Center for Medical and Preventive Health Risk Management Technologies, Saratov, Russia
8.7	Development of a metrologically certified methodology for determining the mass concentration of e-caprolactam contained in polyamide products into the air by high-performance liquid chromatography <i>K.S. Lebedinskaya</i> Republican Unitary Enterprise Scientific and Practical Center of Hygiene, Minsk, Republic of Belarus
8.8	Analytical capabilities of spectral methods in the development of methods for the determination of copper and zinc in atmospheric air <i>A.E. Nikolaeva, K.O. Gileva, A.V. Nedoshitova</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
8.9	Production of a culture of keratinocytes for in vitro reconstruction of human epidermis <i>U.S. Protasevich, V.A. Grynchak, I.I. Ilyukova, M.V. Anisovich</i> Republican Unitary Enterprise Scientific and Practical Center of Hygiene, Minsk, Republic of Belarus

8.10	Chemical and fractional composition of suspended substances in atmospheric air and morbidity in children in the mining region <i>S.S. Rafikov, Doctor of Medicine R.A. Suleymanov</i> Ufa Scientific Research Institute of Occupational Medicine and Human Ecology, Ufa, Russia
8.11	Study of the level of polycyclic aromatic hydrocarbons (PAHs) in the atmospheric air of cities in Eastern Siberia <i>M.O. Starchikova</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
8.12	Subacute inhalation effect of copper (II) oxide nanoparticles in comparison with a micro-sized chemical analogue on Wistar rats <i>M.S. Stepankov</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
8.13	Study of international experience in determining microplastics in the environment and biological media <i>D.Yu. Subbotina</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
8.14	Criteria for ranking non-carcinogenic chemical risks to public health <i>A.A. Khasanova</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia
8.15	Determination of chlorobenzene migration in aqueous extracts from polycarbonate products by gas chromatography with flame ionization detection <i>D.V. Chebotkova</i> Republican Unitary Enterprise Scientific and Practical Center of Hygiene, Minsk, Republic of Belarus
8.16	Identification of species-specific plant genes and regulatory genetic elements in snacks <i>A.V. Yaroma</i> Federal Budgetary Institution of Science Federal Scientific Center for Medical and Preventive Health Risk Management Technologies of the Federal Service for Supervision of Consumer Rights Protection and Human Wellbeing, Perm, Russia