

**MINISTRY OF EDUCATION OF THE REPUBLIC OF BELARUS**  
**MINISTRY OF NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION**  
**OF THE REPUBLIC OF BELARUS**  
**PUBLIC COUNCIL OF BASIC ORGANIZATION**  
**FOR ECOLOGICAL EDUCATION OF CIS MEMBER-STATES**  
**BELARUSIAN STATE UNIVERSITY**  
**INTERNATIONAL SAKHAROV ENVIRONMENTAL INSTITUTE**  
**OF BELARUSIAN STATE UNIVERSITY**



# **PROGRAM**

**XIII International Scientific Conference for  
Young Scientists, Graduates,  
Master and PhD Students  
«Actual Environmental Problems»**

**November, 30 - December, 1, 2023**

Minsk, Republic of Belarus



## ORGANIZING COMMITTEE

- Germenchuk M. G.** Deputy Director for Scientific Work, International Sakharov Environmental Institute of Belarusian State University – Chairman.
- Ulashchyk E. A.** Chairman of the Student Scientific Society of International Sakharov Environmental Institute of Belarusian State University – Deputy Chairman.
- Zhuravkov V. V.** Deputy Director for Studies Work, International Sakharov Environmental Institute of Belarusian State University.
- Dovgulevich N. N.** Head of the Chair of Linguistic Disciplines and Intercultural Communications, International Sakharov Environmental Institute of Belarusian State University.
- Kopicya V. N.** Acting Head of the Faculty of Environmental Monitoring, International Sakharov Environmental Institute of Belarusian State University.
- Sysa A. G.** Head of the Faculty of Environmental Medicine, International Sakharov Environmental Institute of Belarusian State University.
- Batyan A. N.** Head of the Chair of Environmental Medicine and Radiobiology, International Sakharov Environmental Institute of Belarusian State University.
- Golovaty S. E.** Head of the Chair of Environmental Monitoring and Management, International Sakharov Environmental Institute of Belarusian State University.
- Puplikov S. I.** Head of the Chair of Social and Human Sciences and Sustainable Development, International Sakharov Environmental Institute of Belarusian State University.
- Shahab S. N.** Head of the Chair of General and Environmental Chemistry, International Sakharov Environmental Institute of Belarusian State University.
- Adamovich T. V.** Chief Accountant, International Sakharov Environmental Institute of Belarusian State University.
- Kasperovich O. V.** Head of the Planning and Economic Sector, International Sakharov Environmental Institute of Belarusian State University.
- Kernitskaya E. P.** Head of Procurement and Logistics Department, International Sakharov Environmental Institute of Belarusian State University.

- Tsybulko N. N.** *Head of the Research Sector, International Sakharov Environmental Institute of Belarusian State University.*
- Shalkevich K. I.** *Head of the Department of Technical Training and Communications, International Sakharov Environmental Institute of Belarusian State University.*
- Vasyukevich E. N.** *Deputy Chairman of the Student Scientific Society of International Sakharov Environmental Institute of Belarusian State University.*

THE CONFERENCE  
IS HELD WITH FINANCIAL SUPPORT OF:



*Ministry of Education of the Republic of Belarus*



*Coca-Cola Beverages Belarus*



*UNESCO Chair «Environment and Management Sciences»*

# GENERAL INFORMATION

<b>CONFERENCE VENUE</b>	INTERNATIONAL SAKHAROV ENVIRONMENTAL INSTITUTE OF BELARUSIAN STATE UNIVERSITY 23/1 DOLGOBRODSKAYA STR., 220070, MINSK, BELARUS
<b>WAY FROM RAILWAY STATION</b>	1) FROM THE METRO STATION “PLOSHAD LENINA” TO METRO STATION “TRACTORNY ZAVOD”; 2) TRAM 3, 6, 7; BUS 43 TO THE STOP «METRO STATION TRACTORNY ZAVOD»
<b>REGISTRATION OF THE PARTICIPANTS</b>	ELECTRONIC REGISTRATION FORM ON THE CONFERENCE WEBSITE
<b>PLENARY SESSION</b>	ROOM 21 REMOTE PARTICIPATION, VIA THE LINK ON THE CONFERENCE WEBSITE
<b>PLENARY REPORTS</b>	15 MINUTES
<b>SECTIONAL REPORTS</b>	TOTAL TIME (REPORTS+DISCUSSION) 10 MINUTES REMOTE PARTICIPATION, VIA THE LINK ON THE CONFERENCE WEBSITE
<b>POSTER REPORTS</b>	PUBLICATION ON THE CONFERENCE WEBSITE PLACE FOR THE REPORT – A1, VERTICAL LAYOUT
<b>MULTIMEDIA FACILITIES</b>	<ul style="list-style-type: none"> <li>• MULTIMEDIA PROJECTORS</li> <li>• PC\LAPTOPS</li> <li>• LOUD SPEAKERS</li> <li>• MICROPHONES</li> </ul> NB: WE KINDLY REMIND YOU THAT ALL CONFERENCE MATERIALS (PRESENTATIONS, VIDEOS AND ETC.) ARE REQUIRED TO BE UPLOADED TO THE PCS\LAPTOPS IN ADVANCE!

PLEASE, DO NOT HESITATE TO CONTACT US FOR ANY FURTHER INFORMATION BY:

**PHONE.:** +375 33 384 58 25

**E-MAIL:** [iseu2023@gmail.com](mailto:iseu2023@gmail.com)

# CONFERENCE AGENDA

*Thursday, 30<sup>rd</sup> November*

9.00 – 10.00 – REGISTRATION OF THE PARTICIPANTS (WEBSITE)

10.00 – 13.00 – OPENING OF THE CONFERENCE, PLENARY SESSION (ROOM 21)

13.00 – 14.00 – LUNCH

14.00 – 17.30 – SECTIONAL MEETING (IN ACCORDANCE WITH THE SCHEDULE)

## **PLENARY SESSION:**

ROOM 21

REMOTE PARTICIPATION, VIA THE LINK ON THE CONFERENCE WEBSITE

[HTTPS://RFC.ISEU.BY/](https://rfc.iseu.by/)

*Friday, 1<sup>st</sup> December*

10.00 – 13.00 – SECTIONAL MEETING (IN ACCORDANCE WITH THE SCHEDULE)

16.00 – 17.00 – CONCLUSIONS (ROOM 312)

## CONFERENCE VENUE

**SECTION 1.** SOCIO-ECOLOGICAL, ETHICAL AND PEDAGOGICAL PROBLEMS OF OUR TIME - BOTANICAL, 15, ROOM 209

**SECTION 2.** MEDICAL ECOLOGY - DOLGOBRODSKAYA, 23/1, ROOM 21

**SECTION 3.** PROBLEMS OF MODERN ENVIRONMENTAL SAFETY- DOLGOBRODSKAYA, 20, ROOM 256

**SECTION 4.** MODERN APPROACHES AND METHODS TO THE STUDY OF BIOMOLECULES - DOLGOBRODSKAYA, 23/1, ROOM 309

# OPENING OF THE CONFERENCE

Room 21, website, youtube.com

---

## **Welcome:**

Director of the International Sakharov Environmental Institute of Belarusian State University, Doctor of Biological Sciences, Associate Professor

### **Aleh Rodzkin**

Corporate Affairs & Sustainability Director, Coca-Cola HBC Belarus

### **Marina Borovko**

Deputy Head of the Main Department of Environmental Policy, International Cooperation and Science, Head of the International Cooperation Department of the Ministry of Natural Resources and Environmental Protection of the Republic of Belarus

### **Larisa Lukina**



# PLENARY SESSION

Room 21, website [youtube.com](https://www.youtube.com) (10.00–13.00)

*Chairman: Germenchuk M. G. – Deputy Director for Scientific Work.*

**1. INORGANIC POLYPHOSPHATE REGULATES FUNCTIONS OF THYMOCYTES VIA ACTIVATION ON P2X PURINORECEPTORS**

Baev A.

*Ph.D. in Biology, Associate Professor of the Chair of biophysics, National University of Uzbekistan named after Mirzo Ulugbek, Tashkent, Uzbekistan*

**2. DENSITY FUNCTIONAL THEORY (DFT) STUDY OF PHYSIOSORPTION EFFECT OF CO AND CO<sub>2</sub> ON FURANOCOUMARINS FOR AIR PURIFICATION**

Shahab S.

*Head of the Chair of General and Environmental Chemistry, International Sakharov Environmental Institute of Belarusian State University*

**3. ONLINE MONITORING SYSTEM OF THE STATE OF ENVIRONMENT IN ORSHA AND ORSHA REGION**

Shalkevich P.

*Acting Head of the Chair of Information Technologies in Ecology and Medicine International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus*

**4. CLIMATE PROJECTS IN RUSSIA. NEW CLIMATE DOCTRINE. VALIDATION AND VERIFICATION OF CLIMATIC PROJECTS**

Pinaev V.

*Associate Professor at the Patrice Lumumba Institute of Ecology, RUDN Department of Environmental Safety and Product Quality Management Moscow, Russia*

**5. USE OF MONOCLONAL ANTIBODIES IN BIOTECHNOLOGY**

Melnikova Y.

*Senior lecturer of the Chair of Immunology, International Sakharov Environmental Institute of Belarusian State University*

# SECTIONAL WORK

Section 1, website [youtube.com](https://www.youtube.com)

---

## SOCIO-ECOLOGICAL, ETHICAL AND PEDAGOGICAL PROBLEMS OF OUR TIME

**Chairperson:** Puplikov S. Ph.D. in Economics, Head of the Chair of Social and Human Sciences and Sustainable Development, ISEU BSU;

**Co-Chairperson:** Haurylau V., Senior Lecturer of the Chair of Social-Humanitarian Sciences and Sustainable Development, ISEU BSU;

**Secretary:** Olevskaya I., Senior Lecturer of the Chair of Social-Humanitarian Sciences and Sustainable Development, ISEU BSU.

### ORAL PRESENTATION

#### **1. STUDENT WORKLOAD – OBJECTIVE AND SUBJECTIVE PIINS**

Korotkevich A., Budko A.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

#### **2. THE PROBLEM OF HUNGER AND FOOD WASTE**

Luzhetskaya E., Kuzina L.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

#### **3. PSYCHOLOGY OF THE INFLUENCE OF YOUTH SUBCULTURES ON PERSONALITY**

Minaeva E., Puplikov S.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

#### **4. THE IMPACT OF MEMES ON MENTAL HEALTH**

Sablina E., Bacha A., Puplikov S.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

#### **5. ADVANTAGES OF THE GREEN ECONOMY AND PROBLEMS OF ITS DEVELOPMENT**

Sadovskaya E., Kuzina L.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

#### **6. ASSESSMENT OF MANIFESTATIONS OF PROTECTIVE REACTIONS TO STRESS AND METHODS OF DEALING WITH IT AMONG FIRST TO THIRD YEAR STUDENTS**

Gubich E., Kot A., Olevskaya I.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**7. INFLUENCE OF THE ARCHITECTURAL ENVIRONMENT ON HUMAN PSYCHOLOGICAL STATE OF PEOPLE**

Olevskaya I., Vozyakov K.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**8. ENVIRONMENTAL PHILOSOPHY: HUMAN-NATURE INTERACTION, SUSTAINABLE DEVELOPMENT**

Tsvikevich N., Puplikov S.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**9. PSYCHOLOGY OF THE INFLUENCE OF ENVIRONMENTAL ADVERTISING**

Prykhach O., Puplikov S.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**10. PREVENTION AND PREVENTION OF BULLYING AMONG SCHOOLCHILDREN AND ADOLESCENTS**

Shinkorenko S., Olevskaya I.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**11. PREVENTION OF THE DEVELOPMENT OF CHEMICAL ADDICTIONS AND THE FORMATION OF BAD HABITS IN THE POPULATION**

Shinkorenko S., Chigir S.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**12. THE THIRD WAY OR JEALOUSY IN TEENAGE COMPANIES**

Kritskaya V., Olevskaya I.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**13. IS IMMORTALITY POSSIBLE IN THE NEAR FUTURE?**

Rudak V., Luchina V., Sivukha V.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**14. EMOTIONAL BURNOUT SYNDROME IN MEDICAL STUDENTS**

Romanika E., Olevskaya I.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**15. INDIGENOUS COMMUNITIES AS FRONTLINE WARRIORS FOR CLIMATE JUSTICE IN THE WORLD**

Kachan V., Karatkevich A.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**ABSENTEE PARTICIPATION**

**1. IMPLEMENTATION OF THE IDEAS OF SUSTAINABLE DEVELOPMENT GOALS IN THE CONTENT OF THE SUBJECT “CHEMISTRY”**

Kunkevich A., Zhuk E.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## **2. ENVIRONMENTAL COMPETENCES OF STUDENTS WITHIN THE FRAMEWORK OF ORGANISING EXTRACURRICULAR ACTIVITIES**

Tulko D., Churakova D., Zhuk E.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## **3. EFFECT OF PSYCHOACTIVE SUBSTANCES ON THE HUMAN BODY**

Davidovskaya T., Lobožinskaya A., Chigir S.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## **4. UNDERSTANDING THERAPEUTIC HUNTING FROM THE PERSPECTIVE OF ENVIRONMENTAL ETHICS**

Luchina V., Sivukha V., Pytliak E.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## **5. ENVIRONMENTALLY FRIENDLY PRODUCTS IN THE REPUBLIC OF BELARUS**

Sivukha V.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## **6. FORMATION OF STUDENTS' ENVIRONMENTAL COMPETENCES THROUGH ACTIVE FORMS OF LEARNING**

Yatskovskaya A., Zhuk E.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## **Section 2, website [youtube.com](https://www.youtube.com)**

---

### **MEDICAL ECOLOGY**

**Chairman:** Batyan A., Doctor of Science in Medicine, Professor, Head of the Chair of Environmental Medicine and Radiobiology, ISEI BSU;

**Co-Chairman:** Kravchenko V., Ph.D. in Biology, Associate Professor of the Chair of Environmental Medicine and Radiobiology, ISEI BSU;

**Secretary:** Opanasenko T., Trainee Teacher of the Chair of Environmental medicine and Radiobiology, ISEI BSU.

### **ORAL PRESENTATION**

#### **1. RESEARCH OF STARTER CULTURES OF DIRECT APPLICATION OF THE COMPANY "VITA"**

Peshko A., Pitsko T.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

#### **2. HISTORICAL CONSEQUENCES OF THE VESUVIUS VOLCANO ERUPTION**

Kazachenko A., Haurylau V.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**3. COMPARATIVE CHARACTERISTICS OF THE LEVEL OF CYCLIC NUCLEOTIDES IN THYMOCYTES AND LYMPHOCYTES OF PERIPHERAL BLOOD OF RATS UNDER EXOGENOUS EXPOSURE**

Dorosh A., Puhteeva I.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**4. EPIDEMIOLOGICAL ASSESSMENT OF DIFFERENT FORMS OF INFECTIOUS DISEASES**

Slabko E., Shilov V.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**5. LYSOSOMAL-ASSOCIATED MEMBRANE PROTEIN-1 EXPRESSION ON LYMPHOID CELLS IN PATIENTS WITH NEOPLASMS**

<sup>1,2</sup>Nazaranka L., <sup>2</sup>Vanslau M., <sup>1,2</sup>Vialichka A., <sup>3</sup>Tsekhanovich D., <sup>1,2</sup>Nizheharodava D.

<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

<sup>2</sup>*Research Institute of Experimental and Clinical Medicine of BSMU, Minsk, Republic of Belarus*

<sup>3</sup>*Belarusian research center for pediatric oncology, hematology and immunology, Minsk, Republic of Belarus*

**6. INFLUENCE OF ENVIRONMENTAL FACTORS ON PULMONARY MOLLUSCS REPRODUCTION**

Lyashuk D., Bodilovskaya O.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**7. EPIDEMIOLOGICAL ASSESSMENT OF THE MORBIDITY OF MALIGNANT NEOPLASMS OF INDIVIDUAL LOCALISATIONS**

Veshtort A., Shilov V.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**8. THE INFLUENCE OF METEOROLOGICAL FACTORS ON THE HEMODYNAMIC PARAMETERS OF STUDENTS**

Morozov N., Belugin S.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**9. A STUDY OF FERMENTED DAIRY PRODUCTS PREPARED WITH BAKZDRAV STARTERS**

Petrenko S., Pitsko T.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**10. ANTAGONISTIC ACTIVITY OF BACTERIA OF THE GENUS BACILLUS BY IN RELATION TO SOME REPRESENTATIVES CONDITIONALLY-PATHOGENIC MICROFLORA OF THE GASTROINTESTINAL TRACT IN VITRO**

Davlatov S., Gritskevich E., Zhyltsova Yu.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**11. THE HISTORY OF DISCOVERY AND STUDY OF CURARE POISON**

Haurylau V., Zhybul D., Shvedava M.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## **12. ANTIOXIDANT PROTECTION AGAINST THE EFFECTS OF FREE RADICALS**

Ryzhikova V.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## **13. JEAN-BAPTISTE JOSEPH FOURET'S CONTRIBUTION TO THE DEVELOPMENT OF THE GREENHOUSE EFFECT IN THE ATMOSPHERE THEORE**

Haurylau V., Slashchova M., Nasiakaila M.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## **14. REASONABLENESS OF THE USE OF LESSER DUCKWEED (LEMNA MINOR) IN BIOINDICATION MEASURES IN RELATING THE CONTENT OF ELEMENTS OF THE HARD METALS GROUP IN WATER OBJECTS**

Rudak V.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## **15. REDUCTIONAL LIMB DEVELOPMENT MALFORMATIONS**

Badylevich A., Kokorina N., Alferovich E.

*Belarusian State University, ISEU BSU, Minsk, Republic of Belarus*

*Belarusian State Medical University, Minsk, Republic of Belarus*

## **ABSENTEE PARTICIPATION**

### **1. CARBON MATERIAL WITH MODIFYING COATINGS BASED ON CHITOSAN**

Lemeshonok S., Avdeeva E., Petkevich A., Novik H., Filippovich L., Ignatovich Zh., Rogachev A.

*The Institute of Chemistry of New Materials, National Academy of Sciences of Belarus, Minsk, Republic of Belarus*

### **2. THE EFFECT OF PROBIOTIC DRUGS ON THE PHAGOCYtic ACTIVITY OF NEUTROPHILS IN INTESTINAL DYSMICROBIOSIS**

Baiko A.

*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*

### **3. CHARACTERISTICS OF THE MAIN CYTOGENETIC DISORDERS IN CHILDREN WITH ACUTE LEUKEMIA**

Bartosh A., Zmushko A., Savitskaya T.

*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*

### **4. MOLECULAR MECHANISMS OF THE EFFECT OF Li ON $\beta$ -ADRENERGIC SIGNAL TRANSMISSION**

Dudko A., Bulanava K.

*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*

### **5. MOLECULAR MECHANISMS OF THE TOXIC EFFECT OF LITHIUM IONS ON THE MYOCARDIUM: WAYS TO REDUCE NEGATIVE CONSEQUENCES**

Dudko A., Bulanava K.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**6. MEMORY T CELLS IN MULTIPLE SCLEROSIS**

Georgieva A., Zafranskaya M.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**7. EPIDEMIOLOGICAL SURVEILLANCE AND PREVENTION OF RABIES**

Haurylchik A., Hanenko O.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**8. THE EFFECT OF GAMMA RADIATION ON THE INITIAL STAGES OF THE ONTOGENESIS OF BUCKWHEAT (FAGOPYRUM ESCULENTUM)**

Platonova A., Kravchenko V.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**9. ANTIBACTERIAL ACTIVITY OF CURCUMIN AND ITS DERIVATIVES AGAINST COMMON BACTERIAL SPECIES**

Proskuryakova A., Bogdanova N.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**10. BACTERIAL SENSITIVITY ANALYSIS GENUS STAPHYLOCOCCUS, CAUSING SKIN DISEASES TO ANTIBACTERIAL DRUGS IN VITRO**

Sharko A., Yunchik V., Kovaluonak A., Gritskevich E.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**11. SQUAMOUS CELL CARCINOMA ANTIGENS AND CHECKPOINT INHIBITORS INTERACTION IN PATIENTS WITH SINONASAL NEOPLASMS**

<sup>1</sup>A. Zlobina, <sup>1,2</sup>D. Nizheharodava, <sup>3</sup>N. Marozava, <sup>4</sup>A. Filipchik, <sup>1</sup>Zh. Kolyadich, <sup>1,2</sup>M. Zafranskaya  
<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
<sup>2</sup>*Research Institute of Experimental and Clinical Medicine of BSMU, Minsk, Republic of Belarus*  
<sup>3</sup>*N.N. Alexandrov National Cancer Centre of Belarus, Minsk district, Republic of Belarus*  
<sup>4</sup>*Republican clinical hospital of medical rehabilitation, Minsk district, Republic of Belarus*

**12. THE IMPORTANCE OF TYPING THE LEUKOCYTE SYSTEM HLA IN ONCOHEMATOLOGY**

Zmushko A., Bartosh A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**13. CHARACTERISTICS OF MENTAL AND BEHAVIORAL DISORDERS IN ADOLESCENTS OF THE REPUBLIC OF BELARUS**

<sup>1</sup>Bodilovskaya A., <sup>1</sup>Kokorina N., <sup>2</sup>Khrustaleva E.  
<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
<sup>2</sup>*Institute for Advanced Training and Retraining of Healthcare Personnel of the Educational Institution «Belarusian State Medical University», Minsk, Republic of Belarus*

**14. COMPARATIVE ANALYSIS OF THE CELLULAR COMPOSITION OF PERIPHERAL BLOOD DURING TREATMENT IN PATIENTS WITH TYPE I AND II DIABETES MELLITUS**

<sup>1</sup>Nikolaeva A., <sup>2</sup>Shpadaruk E.  
<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
<sup>2</sup>*Bauman Moscow State Technical University, Moscow, Russian Federation*

- 15. B-LYMPHOCYTE SUBPOPULATIONS: FUNCTIONS AND MOLECULAR MARKERS**  
Strakh A., Muzychenko B.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 16. ANALYSIS OF THYROID CANCER MORBIDITY IN THE POPULATION OF GOMEL REGION**  
Zaytsev A., Gerasimovich N.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 17. HEALTHY SLEEP IN COMBINATION WITH WORK AND REST REGIME**  
Kavenka A., Chigir S.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 18. DAWN SYNDROME**  
<sup>1</sup>Kechko A., <sup>2</sup>Kokorina N.  
<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Belarus*  
<sup>2</sup>*Belarusian State Medical University, Minsk, Republic of Belarus*
- 19. CHANGES IN THE ION CURRENTS OF NEURONS UNDER THE ACTION OF LOCAL ANESTHETICS**  
<sup>1</sup>Mileiko A., <sup>1,2</sup>Lemiasheuski V., <sup>1,2</sup>Ostrenko K.  
<sup>1</sup>*Belarusian State University, Chemistry Faculty, Minsk, Republic of Belarus,*  
<sup>2</sup>*All-Russian research Institute of Physiology, Biochemistry and Nutrition of animals – branch of the Federal Research Center for Animal Husbandry named after Academy Member L. K. Ernst, Borovsk, Russian Federation*
- 20. THE EFFECT OF DOXYCYCLINE ON THE PROCESS OF FIBRILLATION OF THE INSULIN MOLECULE**  
Chayka E., Bogdanova N.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 21. ANALYSIS OF THE STRUCTURE OF PRIMARY INCIDENCE IN THE POPULATION ORSHA CITY, SERVICED AT ORSHA CITY POLYCLINIC NO. 2**  
Bedneva V.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 22. ROLE OF ANGIOGENESIS IN TUMOR DEVELOPMENT**  
Piskun D., Mashukova A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 23. ENVIRONMENTAL COMPETENCIES OF STUDENTS IN THE CONTEXT OF ADDRESSING SUSTAINABLE DEVELOPMENT GOALS**  
Yatskevich D., Zhuk E.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 24. MAIN CLINICAL FORMS OF CORONARY HEART DISEASE AMONG THE POPULATION OF THE GOMEL REGION**  
Kuzmenko D., Puhteeva L.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*



- 25. FEATURES OF THE PALYNOLOGICAL COMPOSITION OF AIR**  
Beliuha E., Chernetskaya A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 26. COMPARATIVE ANALYSIS OF LABORATORY TESTS FOR THE DIAGNOSIS OF TUBERCULOSIS**  
Chernyuk E., Ikonnikova N.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 27. ANALYSIS OF THE EPIDEMIOLOGICAL SITUATION ON THE PREVALENCE OF TUBERCULOSIS DISEASES IN THE PINSKY DISTRICT AND THE CITY OF BREST**  
Chernyuk E., Ikonnikova N.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 28. LABORATORY DIAGNOSIS OF HIV INFECTION IN NEWBORNS**  
Kuchinskaya E.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 29. IMMUNOMODULATORY EFFECT OF AMINO ACID COMPOSITIONS IN IN VITRO EXPERIMENTS**  
Lukyanenko E.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 30. DIAGNOSIS OF GARDNERELLOSIS BY MICROSCOPIC AND CULTURAL METHODS**  
Tarasova E., Susha O., Kuchinskaya E., Shpakovskaya E., Lukashkova K., Prokopovich R., Khrapkov I.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 31. SLEEP AND ITS PHYSIOLOGICAL SIGNIFICANCE**  
Milasheuskaya E., Lyashuk D., Lukashevich V., Chigir S.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 32. PRENATAL PATHOLOGY DUE TO CORONAVIRUS INFECTION**  
Milasheuskaya E., Kokorina N., Alferovich E.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
*Belarusian State Medical University, Minsk, Republic of Belarus*
- 33. ASSESSMENT OF EXPRESSION OF MICRORNAS MIR-34A AND MIR-146A IN PATIENTS WITH OSTEOARTHRITIS DUE TO METABOLIC SYNDROME**  
<sup>1</sup>Koktysh I., <sup>1</sup>Zhurko P., <sup>2</sup>Koktysh V.  
<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
<sup>2</sup>*11th clinical hospital, Minsk, Republic of Belarus*
- 34. SMALL NON-CODING RNAS AS MARKERS OF METABOLIC DISORDERS IN OSTEOARTHRITIS**  
<sup>1</sup>Koktysh I., <sup>1</sup>Zhurko P., <sup>2</sup>Koktysh V.  
<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
<sup>2</sup>*11th clinical hospital, Minsk, Republic of Belarus*

**35. MORBIDITY OF THE POPULATION IN THE TERRITORIES EXPOSED TO RADIOACTIVE CONTAMINATION**

Yaitsky I., Pukhteeva I.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**36. ECOLOGY AND NUTRITION**

Kovalyova K., Chigir S.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**37. EFFECT OF ORGANO-MINERAL COMPLEXES OF SELENIUM AND ZINC WITH CHROMIUM NANOPREPARATIONS ON MICROBIAL MASS GAIN**

Ozem K., Tarasova E.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**38. ANTIBACTERIAL ACTIVITY OF POLYVINYLALCOHOL FILM WITH POLYANILINE AND TITANIUM OXIDE AGAINST DIFFERENT BACTERIAL CULTURES**

Skidan L., Bogdanova N.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**39. INNOVATIVE MODELS AND TRENDS OF POULTRY MANURE IN VERMICULTURE TECHNOLOGY: AN ECOLOGICAL PERSPECTIVE**

<sup>1</sup>Yan Li, <sup>1,2</sup>Lemiasheuski V., <sup>3</sup>Maksimova S.

<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

<sup>2</sup>*All-Russian research Institute of Physiology, Biochemistry and Nutrition of animals – branch of the Federal Research Center for Animal Husbandry named after Academy Member L. K. Ernst, Borovsk, Russian Federation*

<sup>3</sup>*Scientific and Practical Center of the National Academy of Sciences of Belarus for Bioresources, Minsk, Republic of Belarus*

**40. PHYSICAL-CHEMICAL CHARACTERISTICS AND DETERMINATION OF SORPTION PROPERTIES OF PREPARATIONS BASED ON CHAGA MUSHROOM**

Bondar M., Ikonnikova N.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**41. PRO-AND ANTITUMORIGENIC ROLE OF MYELOID DENDRITIC CELLS SUBPOPULATIONS**

<sup>1,2</sup>Vialichka A., <sup>1,2</sup>Zafranskaya M., <sup>1,2</sup>Nizheharodava D.

<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

<sup>2</sup>*Research Institute of Experimental and Clinical Medicine of BSMU, Minsk, Republic of Belarus*

**42. ASSESSMENT OF THE RANGE OF EFFECTIVE DOSES OF BASIDIUM MUSHROOMS EXTRACTS WITH ANTI-TUMOR PROPERTIES**

<sup>1</sup>Labai M., <sup>1</sup>Ikonnikova N., <sup>2</sup>Armen V., <sup>2</sup>Voskanyan V.

<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

<sup>2</sup>*L.A.Orbeli Institute of Physiology NAS RA, Yerevan, Armenia*

**43. INFLUENCE OF VITAMIN D ON HUMAN IMMUNITY**

Bogdanovich N., Levshunova E., Oleschenya T., Chigir S.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

- 44. THE SIGNIFICANCE OF CYTOGENETIC AND MOLECULAR GENETIC MARK-ERS IN PATIENTS WITH ACUTE MYELOID LEUKEMIA**  
Kokhnyuk M.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 45. INFLUENCE OF EXTRACTABLE SUBSTANCES OF MEDICINAL MUSHROOMS ON THE CELLULAR AND HUMORAL IMMUNITY UNDER SIMULATED CONDITIONS**  
<sup>1</sup>Labai M., <sup>1</sup>Ikonnikova N., <sup>2</sup>Armen V., <sup>1</sup>Pickur S.  
<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
<sup>2</sup>*L.A.Orbeli Institute of Physiology NAS RA, Yerevan, Armenia*
- 46. EVALUATION OF THE POTENTIAL OF CYCLODEXTRIN-BASED POLYMERS FOR THE DELIVERY OF ARYL-SUBSTITUTED PORPHYRINS FOR PHOTODYNAMIC THERAPIES**  
<sup>1</sup>Kaskeh V., <sup>1,2</sup>Kablov I.  
<sup>1</sup>*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*  
<sup>2</sup>*Belarusian State University, Minsk, Republic of Belarus*
- 47. ANTINOCICEPTIVE AND ANTI-INFLAMMATORY EFFECTS OF PREPARATIONS OF OREGANO (ORIGANUM VULGARE) ESSENTIAL OIL**  
<sup>1</sup>Darbinyan A., <sup>1</sup>Parseghyan L., <sup>1</sup>Poghosyan S., <sup>1</sup>Moghrovyan A., <sup>2</sup>Ikonnikova N., <sup>3</sup>Lobay M., <sup>1</sup>Voskanyan A.  
<sup>1</sup>*Institute of Physiology named after Acad. L.A.Orbeli, National Academy of Sciences of Armenia, Yerevan, Republic of Armenia*  
<sup>2</sup>*Yerevan State Medical University named after Mkhitar Heratsi, Yerevan, Republic of Armenia*  
<sup>3</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 48. ALCOHOL USE DESORDER. RISKS AND TREATMENT**  
Toutsiankova M., Shylau V.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 49. EFFECT OF DEXAMETHASONE ON THE STRUCTURAL STATE OF PLASMA MEMBRANES OF THYMOCYTES OF EXPERIMENTAL ANIMALS**  
Gil M., Puhteeva I.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 50. DYNAMICS OF CORONAVIRUS INFECTION INCIDENCE AND VACCINATION LEVEL IN THE REPUBLIC OF BELARUS**  
Balashevskaya N., Batyan A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 51. DYNAMICS OF BREAST CANCER INCIDENCE IN THE REPUBLIC OF BELARUS AND ITS REGIONS (2017-2021)**  
Aldonina A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 52. THE PREVALENCE OF ORAL DISEASES AMONG THE ADULT POPULATION WITH AN ASSESSMENT OF THE MAIN MICROBIAL AGENTS-PATHOGENS OF INFECTIONS**  
Mashukova A., Piskun D., Ikonnikova N.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**53. ANTIBACTERIAL PROPERTIES OF SAUSSUREA COSTUS**

Baruta S., Bogdanova N.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**54. MODELING OF FUNCTIONAL ACTIVITY NEUTROPHILS**

Chadovich S., Kravtsova P., Melnikova J.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**55. EPIDEMIOLOGIC ASSESSMENT OF THE INCIDENCE OF ACTIVE TUBERCULOSIS**

Shkradiuk P., Shilov V.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**56. ASSESSMENT OF THE OCCURENCE OF AUXOTROPHIC VARIANTS OF COMMON COLIMORPHIC BACTERIA IN WATER BODIES OF MINSK AND THE MINSK REGION**

Kernozhitskaya T., Kaskevich O.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**57. DETERMINATION OF AMBROXOL HYDROCHLORIDE CONCENTRATION IN THE AIR OF PHARMACEUTICAL PRODUCTION BY SPECTROPHOTOMETRIC METHOD**

<sup>1</sup>Krymskaya T., <sup>1</sup>Lebedinskay K., <sup>2</sup>Sharamkov I., <sup>2</sup>Lemiasheuski V.

<sup>1</sup>Republican unitary enterprise "Scientific and Practical Hygiene Centre", Minsk, Republic of Belarus

<sup>2</sup>Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

**58. SORPTION CHARACTERISTICS OF IMMUNOGLOBULIN-TYPE FOLDING MOLECULES ON THE SURFACE OF SILVER NANOFILMS COATED WITH POLYLYSINE**

Azarenko V., Dubatovka V., Melnikova Ya.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**59. ANALYSIS OF AUXOTROPHIC FORMS OCCURRENCE FREQEUNCY OF PROBIOTICALLY VALUABE LACTIC ACID BACTERIA AND THEIR SNESIRIVITY TO ANTIBIOTICS**

Drapko V., Yunchik V., Gritskevich E.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**60. EFFECT OF POLYELECTROLYTE POLYDIALLYLDIMETHYLAMMONIUM CHLORIDE ON THE SORPTION CAPACITY OF IMMUNOGLOBULIN MOLECULES ON THE SURFACE OF SILVER NANOFILMS**

Dybatovka V., Azarenko V., Melnikova Ya.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**61. THE EFFECT OF ANTIMICROBIAL DRUGS ON THE PHAGOCYTTIC ACTIVITY OF NEUTROPHILS IN PATIENTS WITH ACUTE APPENDICITIS**

Gilmanov V.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

- 62. ANTIOXIDANT ACTIVITY OF EXTRACTS OF VARIOUS TYPES OF LICHENS**  
Ambrosovich M., Svintorzhitskaya V., Tarun E.  
*Belarusian State University, ISEI BSU, Minsk, the Republic of Belarus*
- 63. ANALYSIS OF THE DYNAMICS OF ONCOLOGICAL MORBIDITY OF THE POPULATION OF MINSK FOR 2011-2019**  
Zharskaya N.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 64. ANALYSIS OF THE PREVALENCE OF GASTROINTESTINAL TRACT INFECTIONS AMONG THE POPULATION**  
Zotikova N., Ikonnikova N.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 65. ANALYSIS OF METHODS FOR DETERMINING THE ENZYMIC ACTIVITY OF POLYMORPHONUCLEAR GRANULOCYTES**  
Kravtsova P., Melnikova Y., Chadovich S.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 66. ANALYSIS OF THE PREVALENCE OF INJURIES IN THE GOMEL REGION IN 2017-2020**  
Pototskaya V.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 67. COMPARISON AND FEATURES OF SYNTHETIC AND NATURAL VITAMINS ON THE EXAMPLE OF B1, B2 AND B12**  
Baruta S., Lukashonok A., Chigir S.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 68. THE ROLE OF SWIMMING IN THE PREVENTION AND TREATMENT OF SCOLIOSIS**  
Kritskaya V., Chigir S.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 69. EFFECT OF COMPLEX FORMATION OF WHEY PEPTIDES AND TRYPTOPHAN WITH CHITOSANS ON THEIR ANTIRADICAL PROPERTIES**  
Svintorzhitskaya E., Tarun E., Ambrosovich M.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 70. ASSESSMENT OF THE SENSITIVITY OF THE MAIN REPRESENTATIVES OF THE ORAL MICROBIOME TO ANTIBIOTIC DRUGS UNDER IN VITRO MODEL CONDITIONS**  
Yunchik V., Sharko A., Drapko V., Ikonnikova N.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 71. CHILDHOOD OBESITY AS A GLOBAL PROBLEM OF THE MODERN TIME**  
Zhilinskaya V., Kritskaya V., Chigir S.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

- 72. ANALYSIS OF THE INCIDENCE OF MALIGNANT NEOPLASMS OF THE COLON OF THE POPULATION OF MINSK AND MINSK REGION FOR 2017-2021**  
Shashkova V., Opanasenko T.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 73. PHENYLKETONURIA IN CHILDREN IN THE REPUBLIC OF BELARUS**  
Lukashevich V., Kokorina N., Khrustaleva E.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
*Institute of Advanced Training and Retraining of Healthcare Personnel of Educational Institution "Belarusian State Medical University", Minsk, Republic of Belarus*
- 74. CREATION OF AN IMMUNOFLUORESCENT TEST SYSTEM FOR THE QUANTITATIVE DETERMINATION OF FERRITIN FORMED ON THE PLASMONIC SURFACE OF SILVER NANOFILMS**  
Melnikova Y., Koktysh I., Azarenko V., Dubatovka V.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 75. EXAMINING THE OCCURRENCE OF MALIGNANT TUMORS IN THE ORAL CAVITY AND OROPHARYNX AMONG THE POPULATION OF MINSK AND MINSK REGION FROM 2017 TO 2021**  
Shkel Y., Opanasenko T.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 76. REDUCING TABLE SALT INTAKE, AS A FACTOR IN THE PREVENTION OF HYPERTENSION**  
Narkevich A., Stashkevich I., Kravchenko V.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
*State educational institution "Secondary School No. 143 of Minsk city named after M.O. Auezov", Minsk, Republic of Belarus*

## POSTER PRESENTATIONS

- 1. RETROSPECTIVE ANALYSIS OF TUBERCULOSIS INCIDENCE IN THE POPULATION OF THE REPUBLIC OF BELARUS**  
Azarenko A., Dubina M.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 2. ANALYSIS OF THE INCIDENCE OF CARDIOVASCULAR PATHOLOGY IN THE POPULATION OF THE LEPELSKY DISTRICT (2013-2022)**  
Kuzmichenok A., Dubina M.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 3. ANALYSIS OF AGE DYNAMICS OF POPULATION INCIDENCE OF THE CITY OF MOZYR WITH MALIGNANT NEOPLASMS OF THE STOMACH FOR 2015 AND 2022**  
Zmushko A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**4. INFLUENCE OF INTERRUPTIONS IN THE COURSE OF EXTERNAL BEAM THERAPY FOR PROSTATE CANCER ON THE SURVIVAL OF PATIENTS IN GROUPS OF HIGH AND EXTREMELY HIGH RISKS OF DISEASE RECURRENCE**

<sup>1</sup>Batyan A., <sup>1,2</sup>Hancharova K., <sup>2</sup>Dziameshka P., <sup>3</sup>Damashnikava T., <sup>3</sup>Kren M., <sup>1</sup>Lemiasheuski V.

<sup>1</sup>*ISEI of Belarusian State University, Minsk, Republic of Belarus*

<sup>2</sup>*State Institution "N.N. Alexandrov National Cancer Centre of Belarus", Lesnoy, Minsk, Republic of Belarus*

<sup>3</sup>*Brest Regional Oncological Dispensary, Brest, Republic of Belarus*

**5. COMPARATIVE ANALYSIS OF METHODS FOR DOXORUBICIN DESTRUCTION**

Pyshinsky A., Lukashov R.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**6. PREVALENCE OF CARDIOVASCULAR PATHOLOGY IN DIFFERENT REGIONS OF THE REPUBLIC OF BELARUS**

Roslenko D., Shilov V.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**7. STIMULATING EFFECT OF LASER RADIATION ON THE GROWTH OF WINTER WHEAT (TRITICUM AESTIVUM L.)**

Veksha A., Kravchenko V.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**8. DEVELOPMENT OF PARAMETERS FOR CHEMICAL DEGRADATION OF CYTOSTATIC DRUGS CONTAINING AMIDE BONDS**

Malyavko D., Lukashov R.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**9. RETROSPECTIVE ANALYSIS OF HIV-INFECTIVE DISEASE IN THE POPULATION OF THE REPUBLIC OF BELARUS (2009-2022)**

Bartashevich E., Dubina M.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**10. SOCIAL EPIDEMIOLOGICAL CHARACTERISTICS OF THE DISTRIBUTION OF ALCOHOLISM AND ALCOHOLIC PSYCHOSIS, NARCOMANIA AND TOXICOMMUNIA IN THE REPUBLIC OF BELARUS (2000-2021)**

Aleyun V., Dubina M.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**11. CHARACTERISTICS OF TOXICOLOGICAL EFFECTS OF COPPER IONS ON PHYSIOLOGICAL INDICATORS OF DAPHNIA MAGNA**

Yakauleva A.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**12. STUDY OF STUDENT ACADEMIC STRESS**

Lunovich A., Belugin S.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**13. ANALYSIS OF MORBIDITY OF THE POPULATION OF THE REPUBLIC OF BELARUS WITH MALIGNANT NEOPLASMS OF THE ORAL CAVITY AND OROPHARYNX**

Gospodarik D., Porada N.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**14. PRETROSPECTIVE ANALYSIS OF THE MORBIDITY OF THE POPULATION OF GRODNO WITH MALIGNANT NEOPLASMS OF THE RESPIRATORY ORGANS**

Martynova E., Dubina M.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**15. STUDY OF BACTERICIDAL PROPERTIES OF PLANTS**

Tarasova E., Susha O., Kuchinskaya E., Shpakovskaya E., Lukashkova K., Prokopovich R., Khrapkov I.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**16. ANALYSIS OF THE INCIDENCE OF DIABETES IN THE CHILDREN POPULATION OF THE REPUBLIC OF BELARUS IN 2017-2021**

Rabushko E.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**17. EFFECTS OF LEAD ACETATE ON THE RESISTANCE OF ERYTHROCYTE MEMBRANES**

Kairkhan G., Gerasimovich N.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**18. ANALYSIS OF MORBIDITY OF THE POPULATION OF THE REPUBLIC OF BELARUS WITH MALIGNANT NEOPLASMS OF THE ESOPHAGUS**

Grechulin D., Porada N.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**19. CHARACTERISTICS OF TOXICOLOGICAL EFFECTS OF NICKEL IONS ON PHYSIOLOGICAL INDICATORS OF DAPHNIA MAGNA**

Halakh A.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**20. THE EFFECT OF ADENOSINE AND ATP ON THE CONCENTRATION OF FREE INTRACELLULAR CALCIUM IONS IN RAT THYMOCYTES**

Polubiatko M., Puhteeva I.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**21. INCIDENCE OF LUNG CANCER IN THE REPUBLIC OF BELARUS FOR 2018-2022**

Bondarik M., Batyan A.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**22. ANALYSIS OF ATMOSPHERIC AIR POLLUTION IN THE TERRITORY OF THE GOMEL REGION**

Omelchenko T.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*



**23. ANALYZING THE DYNAMICS OF INDICATORS OF CERTAIN HEALTH DISORDERS OF THE CHILD POPULATION OF THE REPUBLIC OF BELARUS ACCORDING TO THE DATA OF PREVENTIVE EXAMINATIONS**

Danilik T., Porada N.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**24. ANALYSIS OF ATMOSPHERIC AIR POLLUTION IN THE TERRITORY OF THE GOMEL REGION**

Omelchenko T.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**VIDEO PARTICIPATION**

**1. THE RATIO OF NEUTROPHIL-LYMPHOCYTE AFTER RECOVERY FROM COVID-19 INFECTION IN WOMEN IN THE NORTHERN REGIONS OF THE RUSSIAN FEDERATION**

Kabbani M.

*Northern (Arctic) Federal University named after M.V. Lomonosov, N. Laverov Federal Center for Integrated Arctic Research of the Ural Branch of the Russian Academy of Sciences  
Arkhangelsk, Russia*

***Section 3, website youtube.com***

---

**PROBLEMS OF MODERN ENVIRONMENTAL SAFETY (BIO-MONITORING, BIO-INDICATION, BIOREMEDIATION, RADIOECOLOGY AND RADIATION SAFETY, ENVIRONMENTAL MONITORING, MANAGEMENT AND AUDIT. INFORMATION SYSTEMS AND TECHNOLOGIES IN ECOLOGY)**

**Chairman:** *Golovaty S., Doctor of Science in Agriculture, Head of the Chair of Environmental Monitoring and Management, ISEU BSU;*

**Co-Chairman:** *Kopicaya V., Ph.D. in Biology, Associate Professor of the Chair of Environmental Monitoring and Management, ISEU BSU;*

**Secretary:** *Mirenzova P., Laboratory Assistant of the Chair of Environmental Monitoring and Management, ISEU BSU.*

**ORAL PRESENTATION**

**1. THE NEED TO INTRODUCE MANDATORY ANALYTICAL CONTROL OF SEWAGE SLUDIMENTS FROM MUNICIPAL TREATMENT FACILITIES**

Chuholskiy A.

*Institute of Housing and Communal Services of NAS of Belarus, Minsk, Republic of Belarus*

**2. OPTIMIZATION OF STERILIZATION TECHNIQUES FOR MICROCLONAL PROPAGATION OF GARDEN STRAWBERRIES**

Shevchik A., Chernetskaya A.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

### **3. STUDYING THE PROPERTIES OF HYDROGELS**

<sup>1</sup>Barysevich A., <sup>2</sup>Rajabava N., <sup>1</sup>Misiuchenka V.

<sup>1</sup>Belarusian State University, ISEI BSU, Minsk, Republic of Belarus <sup>2</sup>PEI "High School 3 s. Pruzhany", Brest region, Republic of Belarus

### **4. ANALYSIS OF MINERAL SLUDGE MANAGEMENT IN THE REPUBLIC OF BELARUS**

Bragin I., Misiuchenka V.

Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

### **5. CONCEPTUAL BASICS OF SOIL PROTECTION FROM DEGRADATION**

Alexeichik E.

Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

### **6. MAJOR EPIPHYTIC DISEASES OF HIPPOPHAË RHAMNÓIDES**

Komolov Il., Chernetskaya A.

Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

### **7. MOBILE WEATHER STATIONS DEVELOPMENT USING EMBEDDED TECHNOLOGIES**

Stefanovich M., Tonkonogov B.

Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

### **8. ANALYSIS OF MUNICIPAL WASTE MANAGEMENT IN THE REPUBLIC OF BELARUS**

Avlas K., Misyuchenko V.

Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

### **9. EXPERIENCE OF USING GEORADAR IN DETECTING LIQUID POLLUTANT LEAKS**

Vikharau M.

Belarusian State University, Faculty of Geography and Geoinformatics, Minsk, Republic of Belarus

### **10. CONSTRUCTIONS MADE OF PRECIOUS METALS**

Prikhach O., Krasovsky V.

Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

### **11. APPLICATION OF X-RAY FLUORESCENCE ANALYSIS FOR DETERMINING HEAVY METALS IN SOIL**

Shatravsky S.

Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

### **12. HISTORICAL BACKGROUND AND SOME RESULTS OF THE SIGNING OF THE KYOTO PROTOCOL**

Haurylau V., Zakharava T., Dzis V.

Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

### **13. IMPACT OF ECOLOGICAL FACTORS ON SOCIAL AND ECONOMIC PROCESSES IN WESTERN EUROPE AND NORTH AMERICA**

Haurylau V., Brui V., Valadashchik A.

Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

**14. ASSESSMENT OF THE SUCCESS OF INTRODUCTION OF CERTAIN TREE SPECIES IN THE BIOLOGICAL REPUBLICAN RESERVE “PRILUKSKY”**

Motsny V., Gomolko A.

*Laboratory of Forest Ecology and Dendrochronology, Institute of Experimental Botany of the National Academy of Sciences of Belarus, Minsk, Republic of Belarus*

**15. ANALYSIS OF SOLID MINERAL WASTE MANAGEMENT IN THE REPUBLIC OF BELARUS**

Vergeichik Y., Misiuchenka V.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**16. THE GENERAL CHARACTERISTICS OF BIOLOGY AND ECOLOGY OF NEW INVASION CRAYFISH SPECIES IN CHINA**

Zhu Yu, Ulashchik K.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**17. ON COMPLIANCE OF THE NUCLEAR POWER INDUSTRY OF THE REPUBLIC OF BELARUS WITH THE CRITERIA OF GREEN ENERGY**

Filichkina A.

*Belarusian State University, ISEI BSU, Minsk, Belarus*

**18. NUCLEAR REACTORS OF THE NUCLEAR POWER INDUSTRY OF THE FUTURE**

Midyanka H., Yakhnovets A.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**19. THE AQUARIUM PET TRADE AS A SOURCE OF POTENTIALLY INVASIVE CRAYFISH SPECIES IN BELARUS**

Ulashchik K., Zhu Yu

*Belarusian State University, ISEI BSU, Minsk, Belarus*

## **ABSENTEE PARTICIPATION**

**1. FEATURES OF THE DISTRIBUTION OF POLLEN AND PLANT SPORES IN URBAN SOILS DEPENDING ON THE DEPTH OF SAMPLING**

Khokh A.

*Scientific and Practical Center (SPC) of The State Forensic Examination Committee of The Republic of Belarus, Minsk, Republic of Belarus*

**2. POLLEN AS A BIOINDICATOR OF ENVIRONMENTAL QUALITY**

<sup>1</sup>Khokh A., <sup>2</sup>Petrosyan A.

*<sup>1</sup>Scientific and Practical Center (SPC) of The State Forensic Examination Committee of The Republic of Belarus, Minsk, Republic of Belarus*

*<sup>2</sup>«National Bureau of Expertises» State Non-Profit Organization of the National Academy of Sciences of the Re-public of Armenia, Yerevan, Republic of Armenia*

**3. MONITORING OF SAP-BORNE VIRUSES OF STONE CROPS IN PLANTINGS OF BELARUS**

Paleichuk D., Krasinskaya T.

*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

- 4. STATE OF URBAN FLORA ON THE TERRITORY OF THE CITY OF MINSK ON THE EXAMPLE OF *TILIA CORDATA***  
Pristavkina D., Chernetskaya A.  
*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*
- 5. ENVIRONMENTAL MONITORING OF COLLECTION AND DISPOSAL OF PACKAGING WASTE IN BELARUS**  
Dynko E., Goroshkevich P.  
*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*
- 6. LICHENOINDICATION OF AIR POLLUTION OF THE OAK GROVE "SHCHEMYSLITSKAYA"**  
Lyashenko I., Golovach K., Serdyuk P., Zhyltsova Yu.  
*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*
- 7. RE-WATting AS A NEW SOCIAL APPROACH TO THE REINTEGRATION OF PREVIOUSLY DRY TERRITORIES OF BELARUS**  
Yakimovich K., Lyakh Yu., Krasnovskaya M.  
*Minsk State Linguistic University, Minsk, Republic of Belarus*
- 8. COMPOSITION OF THE CONTENTS OF THE GASTROIC AND MUSCULAR STOMACHS OF WILD WATERBIRDS OF THE MINSK REGION**  
Lyakh Yu., Apanovich A., Lezhdey Yu.  
*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*
- 9. DAILY CHANGES IN THE PHYSICO-CHEMICAL PARAMETERS OF WATER IN THE BASIN OF CLOSED WATER SUPPLY SYSTEM WITH *CHERAX QUADRICARINATUS***  
Gordeeva M., Rahmatullina D., Almukhametova K., Valiullina A.  
*Kazan State Power Engineering University, Kazan, Russian Federation*
- 10. MICROPLASTICS IN WATER AND FISH BIOMASS FROM THE RESERVOIRS OF MYADEL DISTRICT**  
Ivanova M., Frolov A.  
*Minsk State Linguistic University, Minsk, Republic of Belarus*
- 11. THE STATE OF "SHCHOMYSLITSKAYA" OAK GROVE TREE PLANTINGS IN MINSK**  
Kulagina D., Yakubova A., Zhyltsova Yu.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 12. MONITORING OF GRAPE NUCLEAR AND COLLECTIBLE STOCKS FOR THE PRESENCE OF SAPE TRANSMISSIBLE VIRUSES**  
Markovskaya M., Krasinskaya T.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*
- 13. THE PROCESS OF REPEATED WATting AND ITS ROLE IN THE SPREAD OF TREMATODOSIS IN BELARUS**  
Krasnovskaya M., Lyakh Yu., Yakimovich K.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**14. ANALYSIS OF SENSITIVITY TO BROAD-SPECTRUM ANTIBIOTICS OF AUXOTROPHIC FORMS OF BACILLUS BACTERIA UNDER PROLONGED EXPOSURE TO IONIZING RADIATION**

Maltsava S., Gritskevich E., Ahmed H., Kokhnyuk M.  
*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*

**15. ASSESSMENT OF AUXOTROPHIC FORMS OCCURRENCE FREQUENCY OF BACTERIA OF THE GENUS BACILLUS UNDER PROLONGED EXPOSURE TO IONIZING RADIATION**

Maltsava S., Gritskevich E., Buchenkov I., Sysa A., Ahmed H.  
*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*

**16. TOPICAL ENVIRONMENTAL ISSUES IN THE STARCH INDUSTRY**

Zvarich S., Khorunzheva O.  
*Federal State Budgetary Educational Institution of Higher Education Russian Biotechnological University, BIOTECH University, Moscow, Russia*

**17. CONSTRUCTION ACTIVITY OF BEAVER (CASTOR FIBER) IN BELARUS AND ITS IMPACT ON HYDRAULIC STRUCTURES**

Dzhuraev S., Lyakh Yu.  
*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*

**18. RT-PCR AS A TOOL FOR GMO BIOMONITORING**

Astapchyk V., Mozgova G., Drobat N., Astrouskaya A., Kryvetskaya A.  
*The State Scientific Institution "Institute of Genetics and Cytology of the National Academy of Sciences of Belarus", Minsk, Republic of Belarus*

**19. DISEASES AND PESTS OF LIME LEAF (TILIA CORDATA MILL) IN THE TERRITORY OF SMALL RECREATIONAL ZONES OF MINSK**

Sorgovitskaya Y.,  
*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*

**20. SEEDS OF CANADIAN GOLDENROD (SOLIDAGO CANADENSIS L.) AS THE MAIN FACTOR OF ITS DISTRIBUTION IN BELARUS**

Lyakh Yu., Omar T.  
*Belarusian State University, ISEI BSU Minsk, Republic of Belarus*

**21. AGRICULTURAL CROPS IN THE DIETS OF HUNTING WATERBIRD SPECIES OF BELARUS**

Lyakh Yu., Lezhdey M., Apanovich A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**22. CHANGES IN THE SANITARY CONDITION OF PLANTATIONS IN THE NATIONAL PARK "RUSSIAN NORTH" AS A RESULT OF RECREATIONAL PRESSURE**

Zaitseva V., Platonova Y., Zarubina L.,  
*Federal State Budgetary Educational Institution of Higher Professional Education Vologda State Dairy Farming Academy by N.V.Vereshchagin, Molochnoe, Vologda, Russian Federation*

**23. THE IMPACT OF EXCESSIVE NUTRITION IN WATER BODIES ON GREENHOUSE GAS EMISSIONS**

Wentao H., Hui W., Ying W.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**24. INFLUENCE OF RECREATIONAL LOAD ON THE CONDITION OF LIVING GROUND COVER OF LINGONBERRY-HEATH PINE FORESTS**

Khokh A.  
*Scientific and Practical Center (SPC) of The State Forensic Examination Committee of The Republic of Belarus, Minsk, Republic of Belarus*

**25. SPECIES DIVERSITY AND TREMATODE INVASION OF PLANORBIDAE(GASTROPODA, PULMONATA) OF LAKE DRYVYATY**

Lukashonok A., Bodilovskaya O.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**26. ASSESSMENT OF ECOLOGICAL IMPACTS OF SOIL AS A SOURCE AND SINK OF GREENHOUSE GASES**

Wentao H., Hui W., Yan W.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**POSTER PRESENTATIONS**

**1. PHOTODESTRUCTION OF ANTIBACTERIAL MEDICINES OF THE GROUP OF BETA-LACTAM ANTIBIOTICS USING THE EXAMPLE OF AMOXICILLIN TRIHYDRATE**

Rubankova M., Mikhailava N., Lukashov R.  
*Belarusian State Medical University, BSMU, Minsk, Republic of Belarus*

**2. TRAINING COURSE “MODERN ASPECTS OF REMOVAL AND DISPOSAL OF PHARMACEUTICAL WASTE” IN THE SYSTEM OF ADVANCED PROFESSIONALS FOR PHARMACISTS**

Mikhailava N. Lukashov R.  
*Belarusian State Medical University, BSMU, Minsk, Republic of Belarus*

**3. EFFECT OF GIBBERELIC ACID ON THE GERMINATION OF SALVIA PRATENSIS SEEDS**

Kuratnik Y., Buchenkov I.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

***Section 4, website [youtube.com](https://www.youtube.com)***

---

**MODERN APPROACHES AND METHODS  
TO THE STUDY OF BIOMOLECULES**

**Chairperson:** Shahab S., Ph.D. in Chemistry, Head of the Chair of General and Environmental Chemistry, ISEU BSU;

**Co-Chairperson:** Bakunovich A., Associate Professor of the Chair of General and Environmental Chemistry, ISEU BSU;

**Secretary:** Khariton P., Laboratory of the Chair of General and Environmental Chemistry, ISEU BSU.

## ORAL PRESENTATION

### **1. ACCEPTOR ABILITIES OF PROTEIN 1P5F OF PARKINSON'S DISEASE**

Statsi M., Shahab S., Makhakhey M., Auhustsinovich A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

### **2. PHYSICOCHEMICAL AND BIOLOGICAL PROPERTIES OF BATRACHOTOXIN. QUANTUM-CHEMICAL ASPECT**

Part S., Kononovich Z.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

### **3. ANALYSIS OF ANTIOXIDANT PROPERTIES OF INDOLE DERIVATIVES**

Kononovich Z., Parth S.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

### **4. DFT STUDY OF PHYSISORPTION EFFECT OF ANTIBIOTICS REMOVED BY TYPICAL HOSPITAL**

Hui W., Wentao H., Fulei S., Shahab S.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

## ABSENTEE PARTICIPATION

### **1. ANTIOXIDANT ACTIVITY OF DERIVATIVES OF THE BENZOIC ACID**

Haurylchyk A., Kashaeva A., Bartosh A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

### **2. CONFORMATIONAL ANALYSIS OF BENZOIC ACID DERIVATIVE**

Kashaeva A., Haurylchyk A., Nazarenko E., Bartosh A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

### **3. ANALYSIS OF STEREOCHEMICAL FEATURES OF THE PHENYL-GOLD MOLECULE**

Kashaeva A., Haurylchyk A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

### **4. COMPARATIVE EVALUATION OF ANTIOXIDANT ACTIVITY OF VITAMINS E AND C WITH CURCUMIN**

Rudak A., Petrov M., Sidorovich A., Derugo K.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

### **5. ABSORPTION SPECTROSCOPY OF SALICYLIC ACID MOLECULE BY HARTREE-FOCK METHOD**

Rudak A., Petrov M., Derugo K., Shahab S.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

### **6. DETERMINATION OF PARAMETERS OF VARIOUS CONFORMATIONS**

Derugo K., Rudak A., Petrov M., Sidorovich A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**7. COMPARATIVE ANALYSIS OF THE ANTIOXIDANT ACTIVITIES OF 4-(3-HYDROXYPHENETHYL)-3-NITROPHENOL HALOGEN DERIVATIVES**

Nazaranka E., Kashaeva A., Haurylchyk A., Bartosh A.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**8. ABSORPTION SPECTRUM OF THE ASPININ MOLECULE BY DFT METHOD**

Petrov M., Rudak A., Sidorovich A., Derugo K.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**9. DETERMINATION OF ANTIOXIDANT ACTIVITY OF PYRIMIDINE DERIVATIVES**

Petrov M., Rudak A., Sidorovich A., Derugo K.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**10. ABSORPTION SPECTRUM OF A BENZOIC ACID MOLECULE BY THE HARTREE-FOCK METHOD**

Petrov M., Rudak A., Sidorovich A., Derugo K.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**11. QUANTUM MECHANICAL MODELING OF CONIINE AND ITS COMPLEX WITH H<sub>2</sub>S**

<sup>1</sup>Zayats V., <sup>1</sup>Shahab S., <sup>2</sup>Naletov I.  
<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
<sup>2</sup>*Unitsky String Technologies, Inc., Minsk, Republic of Belarus*

**12. CALCULATION OF PHYSICOCHEMICAL AND ELECTRICAL PROPERTIES OF THE CONIINE/H<sub>2</sub>S COMPLEX**

<sup>1</sup>Zayats V., <sup>1</sup>Shahab S., <sup>2</sup>Naletov I.  
<sup>1</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*  
<sup>2</sup>*Unitsky String Technologies, Inc., Minsk, Republic of Belarus*

**13. QUANTUM CHEMICAL MODELING AND BIOLOGICAL ACTIVITY OF A NEW PYRIMIDINE DERIVATIVE BASED ON SUBSTITUTED CHALCONE**

Auhustsinovich A., Shahab S., Statsi M., Makhakhei M.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**14. DETERMINATION OF ANTIOXIDANT ACTIVITY VITAMINS K<sub>1</sub>, B<sub>3</sub> AND THIOCTIC ACID**

Sidorovich A., Rudak A., Petrov M., Derugo E.  
*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**15. SYNTHESIS OF 5'-AMINO-5'-DEOXYARABINOFURANOSYLURACIL**

<sup>1</sup>Khanchauski M., <sup>2</sup>Kritskaya V., <sup>2</sup>Kvasyuk E.  
<sup>1</sup>*Institute of Bioorganic Chemistry National Academy of Sciences of Belarus, Minsk, Republic of Belarus*  
<sup>2</sup>*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

**16. CHEMO-ENZYMATIC SYNTHESIS OF 6-CHLORO AND 6-AMINO-9-(β-D-3'-DEOXYRIBOFURANOSYL)PURINES**



<sup>1</sup>Kozlovich D., <sup>1</sup>Khancheuski M., <sup>1</sup>Sivets G., <sup>2</sup>Bulatovski A., <sup>2</sup>Zinchenko A.

<sup>1</sup>*Institute of Bioorganic Chemistry of National Academy of Sciences of Belarus, Minsk, Republic of Belarus*

<sup>2</sup>*Institute of Microbiology, National Academy of Sciences of Belarus, Minsk, Republic of Belarus*

## **17. SYNTHESIS OF 1,2,3-TRIAZOLO GLUCOCONJUGATES FROM D-GLUCOSE**

Khancheuski M., Sivets G.

*Institute of Bioorganic Chemistry of National Academy of Sciences of Belarus, Minsk, Republic of Belarus*

FOR NOTES

FOR NOTES

International Sakharov Environmental Institute  
of Belarusian State University

23/1 Dolgobrodskaya Street  
220070 Minsk  
Republic of Belarus

**Tel.: +375 17 303 96 24**  
**Fax: +375 17 303 96 24**  
**+375 17 397-99-79**

E-mail: [aep.reception@gmail.com](mailto:aep.reception@gmail.com)

URL: <http://rfc.iseu.by/>  
<http://www.iseu.bsu.by/>

