

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

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

November 21–22, 2019



Minsk, Republic of Belarus



ORGANIZING COMMITTEE

V. O. Lemiasheuski – Associate Professor of the Chair of Environmental Chemistry and Biochemistry; Chairperson of the student scientific society of ISEI BSU – Chairman;

N. N. Dovgulevich – Head of the Chair of Linguistic Disciplines and Intercultural Communications, Deputy Chairperson;

V. V. Zhilko – Dean of the Department of Environmental Monitoring, Deputy Chairman;

A. G. Sysa – Dean of the Department of Environmental Medicine, Deputy Chairman;

E. V. Alexeichik – Head of the International Relations Department

A. N. Batyan – Head of the Department of Environmental Medicine and Radiobiology;

S. E. Golovatiy – Head of the Department of Environmental Monitoring and Management;

N. V. Goncharova – Head of the UNESCO Chair;

A. P. Golubev – Professor of the Department of Environmental Monitoring and Management;

O. V. Kasperovich – Head of the Planning and Economic Sector;

T. A. Lavrinovich – Head of the Department Information and Publishing;

N. A. Lysukha – Head of the Research Sector;

T. V. Mishatkina – Associate Professor of the Chair of Social and Human Sciences and Sustainable Development;

I. A. Prischepa – Head of Postgraduate Studies Sector;

S. V. Tkachenko – Head of the Department of Technical Means of Training and Communications;

A. A. Shalimo – Deputy Director for Administrative Work.

**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

| | |
|---|---|
| CONFERENCE VENUE | International Sakharov Environmental Institute of Belarusian State University 23/1 Dolgobrodskaya str., 220070, Minsk, Belarus |
| WAY FROM RAILWAY STATION | 1) from the metro station “ <i>ploshad Lenina</i> ” to metro station “Tractorny zavod”; 2) tram 3, 6, 7; bus 43 to the stop «METRO STATION TRACTORNY ZAVOD» |
| REGISTRATION OF THE PARTICIPANTS | room 211, 2 nd floor (library of isei bsu) |
| PLENARY SESSION | lecture room 21 |
| SECTIONAL MEETINGS | building 1, lecture rooms 312, 413, 415, 417 |
| PLENARY REPORTS | total time (reports+discussion) 15 minutes |
| SECTIONAL REPORTS | total time (reports+discussion) 10 minutes |
| POSTER REPORTS | room 211 (library) place for the report – a1, vertical layout |
| MULTIMEDIA FACILITIES | <ul style="list-style-type: none"> • multimedia projectors. • pc\laptops • loud speakers • microphones <p>nb: we kindly remind you that all conference materials (presentations, videos and etc.) are required to be uploaded to the pcs\ laptops in advance!</p> |

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

PHONE.: +375 17 398 96 24

FAX: +375 17 398 96 24

+375 17 398-99-79

CONFERENCE AGENDA

Thursday, 21st November

- 9.00 – 9.30 – registration of the participants (room 211, 2nd floor (library))
- 9.35 – 11.55 – opening of the conference, plenary session (lecture room 21)
- 12.00 – 12.20 – coffee break (canteen, ground floor (1st))
- 12.25 – 14.15 – sectional meeting (in accordance with the schedule)
- 12.25 – 13.00 – poster reports
- 14.15 – 15.00 – lunch
- 15.00 – 16.00 – poster reports
- 16.00 – 18.00 – sectional meeting (in accordance with the schedule)

SECTION 1 – LECTURE ROOM 417

SECTION 2 – LECTURE ROOM 415

SECTION 3 – LECTURE ROOM 413

POSTER REPORTS:

**SECTION 1, 2, 3 – ROOM 211 (LIBRARY),
(IN ACCORDANCE WITH THE SCHEDULE)**

Friday, 22nd November

- 9.35 – 13.00 – sectional meeting (in accordance with the schedule)
- 10.00 – 13.00 – international round table (lecture room 312)
- 13.00 – 14.00 – lunch
- 14.00 – 15.00 – poster reports
- 14.00 – 16.00 – sectional meeting (in accordance with the schedule)
- 16.00 – 17.00 – conclusions (room 312)

CONTENT

| | |
|---|----|
| OPENING OF THE CONFERENCE | 8 |
| PLENARY SESSION | 9 |
| SECTIONAL WORK..... | 10 |
| SECTION 1. SOCIO-ECOLOGICAL, ETHICAL AND PEDAGOGICAL PROBLEMS OF OUR TIME | 10 |
| POSTER PRESENTATIONS | 13 |
| DISTANT PARTICIPATION | 13 |
| SECTION 2. MEDICAL ECOLOGY | 15 |
| POSTER PRESENTATIONS | 18 |
| DISTANT PARTICIPATION | 21 |
| SECTION 3. PROBLEMS OF MODERN ENVIRONMENTAL SAFETY (BIO-MONITORING, BIO-INDICATION, BIOREMEDIATION, RADIOECOLOGY AND RADIATION SAFETY, ENVIRONMENTAL MONITORING, MANAGMENT AND AUDIT. INFORMATION SYSTEMS AND TECHNOLOGIES IN ECOLOGY)..... | 26 |
| POSTER PRESENTATIONS | 31 |
| DISTANT PARTICIPATION | 34 |
| INTERNATIONAL ROUND TABLE «ROLE OF UNESCO AND GLOBAL BIOETHICS IN THE DEVELOPMENT OF MANKIND ON THE PATH OF SUSTAINABLE DEVELOPMENT» | 39 |

OPENING OF THE CONFERENCE

Lecture room 21

Moderators:

CHAIRPERSON OF THE STUDENT SCIENTIFIC SOCIETY OF ISEI
BSU

Victor O. Lemiasheuski

DEAN OF THE DEPARTMENT OF ENVIRONMENTAL MEDICINE,
DEPUTY CHAIRMAN

Aleksey G. Sysa

Welcome:

DIRECTOR OF THE INTERNATIONAL SAKHAROV
ENVIRONMENTAL INSTITUTE OF BELARUSIAN STATE
UNIVERSITY, DOCTOR OF SCIENCE IN PHYSICS AND
MATHEMATICS, PROFESSOR

Sergey A. Maskevich

DIRECTOR BELARUS NATIONAL CENTRE BUP, PH.D. IN
PHILOLOGY

Elena V. Pilgun

HEAD OF THE STUDENT'S SCIENTIFIC SOCIETY, PH.D. IN
PHILOLOGY

Alesia Yu. Kuzminova

DEPUTY GENERAL DIRECTOR FOR PUBLIC RELATIONS OF THE
UNITARY ENTERPRISE «COCA-COLA BEVERAGES BELARUS»

Marina V. Borovko

PLENARY SESSION

Lecture room 21

Chairman: **Gritskevich E.**, Ph.D. in Biology, Associate Professor of the Chair of Immunology, ISEI BSU.

1. NEW TECHNOLOGIES IN HUMAN GENETICS

Mosse I.

Doctor of Sciences in Biology, Professor, Institute of Genetics and Cytology of the National Academy of Science of Belarus, Minsk, Republic of Belarus

2. STABILITY OF COMPOSITE LANDSCAPE COMPLEXES: MODEL FORMALIZATION

Ruda M.

Associate Professor, Ph.D., Lviv Polytechnic National University, Lviv, Ukraine

3. CLIMATE CHANGE AND ENERGY PRODUCTION – THE ENERGY TRANSITION IN GERMANY AS A CONTRIBUTION TO MEETING NATIONAL AND INTERNATIONAL TARGETS IN THE AREAS OF CLIMATE AND ENERGY

Chvanova E.

Dr. Langniß - Energie & Analyse, Stuttgart, Germany

4. ENVIRONMENTAL EDUCATION: IMPROVEMENT OF SCHOOL ACHIEVEMENT THROUGH RESEARCH

Russkikh I.

Republican Center of Ecology and Local Study, Minsk, Republic of Belarus

5. BIOETHIC ANALYSIS OF THE COMMUNICATION BETWEEN DOCTOR AND PATIENT DURING DIAGNOSTICS, TREATMENT AND FORECAST IN WOMEN WITH A BREAST CANCER IN UZBEKISTAN

Mukhamedova Z.

Professor Ph.D., Department of Social and Human Sciences, Tashkent State Dental Institute, Tashkent, Uzbekistan

SECTIONAL WORK

Section 1, lecture room 417

SOCIO-ECOLOGICAL, ETHICAL AND PEDAGOGICAL PROBLEMS OF OUR TIME

Chairperson: Mishatkina T., Ph.D. in Philosophy, Associate Professor of the Chair of Social and Human Sciences and Sustainable Development, ISEI BSU;

Co-Chairperson: Plavinski M., Ph.D. in History, Associate Professor, Head of the Chair of Social-Humanitarian Sciences and Sustainable Development, ISEU BSU;

Secretary: Mistsukevich Y., Lecturer of the Chair of Linguistic Disciplines and Intercultural Communications, ISEI BSU.

1. PROBLEMS OF MODERN YOUTH AND ADOLESCENTS

Bogacheva M., Olevskaya I.

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

2. RECYCLING AND THE USE OF FOOD WASTE

Bondar A., Feshchenko I.

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

3. THE INFLUENCE OF A LANDSCAPE ON THE PSYCHOLOGICAL STATE OF A PERSON

Darashevich N.

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

4. ECOLOGY OF COMMUNICATION AND INTERPERSONAL RELATIONSHIP

Deusova E., Olevskaya I.

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

5. LINK BETWEEN FOOD AND ECOLOGY

Dolhaya A.

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

6. PSYCHOLOGICAL AND ECOLOGICAL CAUSES OF AGGRESSION IN ADOLESCENTS

Gamenyuk V., Olevskaya I.

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

7. THE IMPACT OF THE ENVIRONMENTAL SITUATION ON THE PSYCHOEMOTIONAL STATE OF MAN AND SOCIETY ON THE EXAMPLE OF THE CITY OF MINSK

Hawrilyuk L., Kononchuk N.

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

8. ECOLOGICAL AND LEGAL MEASURES OF PREVENTION AND STRUGGLE AGAINST ECOLOGICAL TERRORISM IN FRANCE

Holevo A., Luchina V., Belyaeva T.

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

9. ENVIRONMENTAL THREAT OF USING POLYETHYLENE PACKAGING

Kadeikina A.

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

10. EVALUATION OF THE ECOLOGICAL CONDITION OF PARKS IN MINSK

Kapustina T., Laikov Y., Zhuk E.

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

11. ASSESMENT OF ECOLOGICAL LITERACY OF STUDENTS-ECOLOGISTS

Kapustina T., Stanishevskaya N., Zhuk E.

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

12. ECO-LABELING OF PRODUCTS AS A WAY TO IMPROVE ENVIRONMENTAL AWARENESS

Kaziuchyts I.¹, Dabrahost Y.¹, Zhuk Y.²

¹*Secondary school № 121, Minsk, Republic of Belarus*

²*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

13. THE PROBLEM OF THE INFLUENCE OF ALTERNATIVE ENERGY SOURCES: ECOLOGY AND MAN

Khamitsevich A., Lepskaya N.

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

14. WASTE PAPER COLLECTION AS A PERSPECTIVE BUSINESS

Khilimonchyk P., Kuzina L.

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

15. INTERNET MARKETING IN SOCIAL NETWORKS

Kirukhin I., Lepskaya N.

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

16. EVALUATION OF YKSUG STUDENTS AWARENESS LEVEL OF SUSTAINABLE DEVELOPMENT GOALS

Kolesnik I.

Yanka Kupala State University of Grodno, Grodno, Republic of Belarus

17. PROSPECTS FOR THE DEVELOPMENT OF THE CIRCULAR ECONOMY

Kot K., Kuzina L.

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

18. PROBLEMS OF GREEN CHEMISTRY EDUCATION AROUND THE WORLD

Liavontsyeu A., Savitskaya T.

Belarusian State University, Chemistry Faculty, Minsk, Republic of Belarus

19. WORLD EXPERIENCE IN MUNICIPAL SOLID WASTE RECYCLING

Maslyukov E., Kuzina L.

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

20. SENIOR PUPILS DEVELOPMENT OF RATIONAL NATURAL RESOURCES CONSUMPTION

Mikheyeva Y.¹, Minaycheva Z.¹, Yasaite M.²

¹*Secondary school № 121, Minsk, Republic of Belarus*

²*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

21. DEVELOPMENT CONSTRAINTS OF MEDICAL SERVICES' EXPORT OF THE REPUBLIC OF BELARUS

Morozova K.

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

22. SEIZING BLUE BIOECONOMY OPPORTUNITIES: REVIEW OF DEVELOPMENTS IN SUSTAINABLE FOOD SOLUTIONS

Pakseresht A.¹, Rashidghalam M.²

¹*Swedish University of Agricultural Sciences, Department of Economics, Uppsala, Sweden*

²*University of Tabriz, Department of Agricultural Economics, Tabriz, Iran*

23. SHOPPING BAGS, PLASTIC OR PAPER: IS THERE A GENERATION GAP IN ATTITUDES?

Ryklina A.

Belarusian State University, School of Business of BSU, Minsk, Republic of Belarus

24. IMPACT OF GOVERNMENT AND INTERNATIONAL ORGANIZATIONS ON FOOD SECURITY IN POLAND

Slapczynski T.

Maria Curie Skłodowska University, Lublin, Republic of Poland

25. IMPACT OF THE NATURAL ENVIRONMENT ON HUMAN HEALTH AND LIFE – SUICIDOLOGICAL APPROACH TO THE PROBLEM

Stradomska M.

University of Maria Skłodowska, Lublin, Republic of Poland

26. SCHOOLCHILDREN'S ECOLOGY OF MOTIVATION

Trifonova A.

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

27. TO THE HISTORY OF THE FORMATION OF ANTHROPOLOGICAL SCIENCE IN BELARUS

Vinnikava V.

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

28. ENVIRONMENTAL COMPETENCE DEVELOPMENT OF SENIOR PUPILS IN EXTRACURRICULAR ACTIVITIES THROUGH RESEARCH PROJECTS

Yasaite M.¹, Chrushchova O.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Secondary school № 121, Minsk, Republic of Belarus*

29. PUBLIC OPINION ABOUT BASIC TRENDS IN THE FUEL AND ENERGY SPHERE

Yatskoyskaya L., Korotkevich A.

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

POSTER PRESENTATIONS

1. MOBILE LEARNING AS A WAY TO INCREASE THE EFFECTIVENESS OF THE CLASSICAL EDUCATIONAL PROCESS

Smolnik N.

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

2. CORRELATION BETWEEN ALCOHOL FACTOR AND SOME SOCIAL AND ECONOMIC INDICATORS

Vasyukevich E., Cherepovich K., Zhivitskaya E.

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

DISTANT PARTICIPATION

1. DEVELOPMENT PATHS OF PPP PROJECTS ON ROAD CONSTRUCTION IN POLAND AS A PART OF THE SUSTAINABLE ENVIRONMENT

Bugajski W.

Warsaw School of Economics, Collegium of Socio-Economics, Warsaw, Republic of Poland

2. DEVELOPMENT OF ENVIRONMENTAL LITERACY AMONG THE STUDENTS OF BIOLOGY DEPARTMENT AT THE BELARUSIAN STATE MEDICAL UNIVERSITY

Butvilovsky A., Grigorovich V., Butvilovsky V.

Belarusian State Medical University, Minsk, Republic of Belarus

**3. TEACHING BIOLOGICAL AND ECOLOGICAL DISCIPLINES
IN ENGLISH AT THE BELARUSIAN STATE MEDICAL UNIVERSITY**

Grigorovich V., Butvilovsky V., Butvilovsky A.

Belarusian State Medical University, Minsk, Republic of Belarus

**4. STUDYING THE FUNDAMENTALS OF THE ECOLOGY AND
FORMATION OF ENVIRONMENTAL LITERACY AMONG THE PRE-
UNIVERSITY STUDENTS OF THE BELARUSIAN STATE MEDICAL
UNIVERSITY**

Grigorovich V., Butvilovsky V., Butvilovsky A., Semenenia N.

Belarusian State Medical University, Minsk, Republic of Belarus

5. ENVIRONMENTAL POLLUTION: LEGAL ASPECT

Litvinchuk D.

Yanka Kupala State University of Grodno, Grodno, Republic of Belarus

**6. PROFESSIONAL SELF-DETERMINATION OF STUDENTS AND
THE ROLE OF BIOLOGY IN THE PROCESS OF PERSONALITY
FORMATION**

Marchenko Y., Lyakh Yu.

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

**7. FEATURES OF THE PEDAGOGICAL SUPPORT OF ELDERLY
PEOPLE IN THE SYSTEM OF CONTINUOUS EDUCATION**

Mayor L.

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

**8. ECOLOGICAL AND SOCIAL CONSEQUENCES OF
OVERPOPULATION**

Osipchik A.

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

**9. HOMELESS ANIMALS AS AN ENVIRONMENTAL PROBLEM OF
THE CITY OF ZHODINO. POSSIBILITIES OF SOLVING THIS
PROBLEM**

Pavlovets L.

Secondary School № 5, Zhodino, Republic of Belarus

**10. OVERVIEW OF ACHIEVING SOME SDG 9 INDICATORS IN
RUSSIA: THE DYNAMICS OF CARBON DIOXIDE EMISSION PER
ADDED VALUE UNIT**

Pomogalova E.

*Vladimir branch of the Russian Presidential Academy of National Economy and
Public Administration, Vladimir, Russian Federation*

**11. ASSESSMENT OF ADAPTATION OPPORTUNITIES ORGANISM
OF GRADUATE STUDENTS**

Tarasevich N.

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

12. INNOVATIVE EDUCATIONAL ENVIRONMENT IN THE FIELD OF JURISPRUDENCE

Yakubovskaya V.

Yanka Kupala State University of Grodno, Grodno, Republic of Belarus

13. HYPERCONSUMPTION AS A SOCIO-ECOLOGICAL PROBLEM

Zhuravlev K., Mukhlynkina Y.

Russian University of Transport, Moscow, Russian Federation

Section 2, lecture room 415

MEDICAL ECOLOGY

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

*Co-Chairman: **Kozelko N.**, Senior Lecturer of the Chair of Environmental Medicine and Radiobiology, ISEI BSU;*

*Secretary: **Levdanskaya N.**, Senior Lecturer of the Chair of Linguistic Disciplines and Intercultural Communications, ISEI BSU.*

1. PHENOTYPIC CHARACTERISTICS OF PERIPHERAL BLOOD LYMPHOCYTE SUBPOPULATIONS IN PATIENTS WITH CHRONIC GLOMERULONEPHRITIS

Abdul A., Yurkevich M.

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

2. RAPID THREE-STEP METHOD FOR HEPATOCYTES ISOLATION WITHOUT PERFUSION

Alchovik P., Labai M., Nizheharodava D., Yurkevich M.

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

3. MOLECULAR BIOLOGICAL SUBTYPES OF BREAST CANCER

Andreeva I., Boyarin O.

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

4. FEATURES OF Ap₄A IMPACT ON ADP-INDUCED PLATELET AGGREGATION IN PREGNANT WOMEN WITH PRE-ECLAMPSIA

Bakunovich A., Bulanava K.

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

5. EPIDEMIOLOGICAL ANALYSIS OF THE INCIDENCE AND PREVALENCE OF MENTAL DISORDERS IN THE REPUBLIC OF BELARUS FROM 2010 TO 2017 YEAR

Bartosh K., Lazar I.

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

6. THE RESEARCH OF THE MICROELEMENT DISTURBANCE IN OSTEOARTHRITIS

Bashura N.¹, Koktysh V.²

¹Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

²11th clinical hospital, Minsk, Republic of Belarus

7. EFFECTS OF NITROGENOUS BASE ANALOGUES AND NUCLEOSIDES IN TUMOR CELLS

Boldyrava V., Sysa A.

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

8. CREATION OF GENETIC CONSTRUCTION CARRYING XANTHOSINE PHOSPHORYLASE GENE

Daineko A.¹, Bulatovski A.², Kazlouski I.², Zinchenko A.^{1,2}

¹Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

²Institute of Microbiology, NAS, Minsk, Republic of Belarus

9. THE DOSE ESTIMATION WITH A VARIABLE OF FRACTIONATION SCHEME OF THE RADIOTHERAPY COURSE

Hancharova K., Haida A., Zorin V.

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

10. IMPACT OF 3-HYDROXYPYRIDINE DERIVATIVES ON CYTOSTATIC AND ANTIPROLIFERATIVE ACTIVITY OF ARABINOFURANOSYLCYTOSINE-5'-MONOPHOSPHATE

Khanchevskii M., Deusova E.

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

11. SMALL NON-CODING RNA AS BIOMARKERS IN OSTEOARTHRITIS

Koktysh I., Zhurko P.

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

12. RESEARCH OF MICROBIAL COMMUNITIES USING ENVIRONMENTAL INDEXES

Kravets N.¹, Grod I.², Shevchyk L.², Romanyuk L.¹, Antonyshyn I.¹

¹I. Horbachevsky Ternopil National Medical University, Ternopil, Ukraine

²Ternopil Volodymyr Hnatyuk National Pedagogical University, Ternopil, Ukraine

13. DEVELOPMENT OF AN INTERACTIVE METHODOLOGICAL GUIDE ON HISTOLOGY USING COMPUTER TECHNOLOGIES IN THE ISEI BSU

Kunkevich A., Lozinskaya O.

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

14. ESTIMATION OF BODY'S REACTIVITY TO THERAPY IN PATIENTS WITH ULCER OF THE STOMACH BY CELL INDICATORS OF PERIPHERAL BLOOD

Maksimchik J., Shpadaruk K.

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

15. PATHOLOGICAL ROLE OF AUTOPHAGY IN OSTEOARTHRITIS

Miralau V., Koktysh I.

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

16. PROGNOSTIC SIGNIFICANCE OF MOLECULAR BIOLOGICAL SUBTYPES OF BREAST CANCER

Prokopuk A., Shpadaruk E., Andreeva I.

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

17. ANTIBIOTIC RESISTANCE – A MODERN GLOBAL CHALLENGE FOR HUMAN HEALTH

Romanyuk L.B., Kravets N.Ya., Klymnyuk S.I.

I. Horbachevsky Ternopil National Medical University, Ternopil, Ukraine

18. THE EFFECT OF THE WEATHER ON PERSON'S MOOD. IS THERE INTER CONNECTION?

Sakalovich O.

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

19. MODIFICATIONS OF THE NERVOUS SYSTEM IN RATS AFTER PROTON IRRADIATION

Severiukhin Y.¹, Lalkovicova M.¹, Ignat E.², Orzan F.³, Pristavka E.⁴, Parmon P.⁴

¹*Joint Institute for Nuclear Research*

²*"Babeş-Bolyai" University*

³*Technical University Cluj Napoca*

⁴*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

20. DISORDERS OF CALCIUM ION EXCHANGE IN HUMAN BODY AT VARIOUS FORMS OF ARTHRITIS

Shaforenko D., Puhteeva I.

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

21. THE EFFECTS OF MICROORGANISMS AS BIOSTIMULANTS ON VEGETATION GROWTH IN CHANGING ENVIRONMENTAL CONDITIONS IN EGYPT AND BELARUS

Shavalda E.¹, Khalifa Sh.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Mansoura University, Mansoura, Arab Republic of Egypt*

22. DNA VACCINES: MECHANISM OF ACTION, PERSPECTIVES OF USING

Statsi M., Mikulich M., Koktysh I.

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

23. ANTIOXIDANT ACTIVITY OF NEW SYNTHESIZED PYRIMIDINE DYES

Strogova A.

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

24. CHEMILUMINESCENT ACTIVITY OF RAT PERITONEAL MACROPHAGES

Svirskaya A.¹, Dubko A.¹, Nizheharodava D.^{1,2}

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Belarusian Medical Academy of Post-Graduate Education, Minsk, Republic of Belarus*

25. USE OF STEM CELLS IN ONCOHEMATOLOGY

Tyshkevich V., Puhteeva I.

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

26. STEM CANCER CELLS AS A SOURCE OF MALIGNANT NEOPLASMS

Yankovskaya E.

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

27. PROGNOSTIC ROLE OF ESTROGEN AND PROGESTERONE RECEPTORS IN THE TREATMENT OF BREAST CANCER

Yurchenkova K., Shpadaruk E., Andreeva I.

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

POSTER PRESENTATIONS

1. EVALUATION OF QUALITATIVE AND QUANTITATIVE APPROACH OF PCR METHOD IN EARLY DETECTION OF HPV

Astrouskaya L., Tarasova E.

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

2. ANTIOXIDANT ACTIVITY OF THE EXTRACTS OF CHESTNUT FLOWERS (*AESCULUS HIPPOCASTANUM* L), ROWAN (*SORBUS AUCUPARIA* L.), ACACIA (*ACACIA*) AND DIFFERENT TYPES OF LILAC (*SYRINGA*)

Baskina D.¹, Tarun E.¹, Shkurko D.¹, Kurchenko P.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Belarusian State University, Minsk, Republic of Belarus*

3. BIOTECHNOLOGICAL PRODUCTION OF 5'-PHOSPHATIDYL-6-THIO-2'-DEOXYGUANOSINE

Bruyakin S., Birichevskaya L., Zinchenko A.

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

4. ANALYSIS OF PRIMARY INCIDENCE OF ALL FORMS OF ACTIVE TUBERCULOSIS AMONG RESIDENTS OF DIFFERENT DISTRICTS OF MINSK

Khrustalyova A., Litvyak V., Opanasenko T.

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

5. ANALYSIS OF THE LEVEL OF PHYSICAL AGGRESSION IN TEENAGERS DEPENDING ON THE CHOICE OF A COMPUTER GAME

Kozelko N.

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

6. PECULIARITIES OF MENTAL HEALTH OF POPULATION AFFECTED BY ECOLOGICAL DISASTERS

Kraevich M.

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

7. SYNTHESIS OF 5-HYDROXY-11-(2-HYDROXYPHENYL)-3,3-DIMETHYL-1,2,3,4,5,11-HEXAHYDROINDENO[1,2-B]QUINOLINE-1,10-DIONE

Leshok V.¹, Hulyta I.², Pyrko A.¹

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*National Anti-Doping Laboratory, Lesnoy, Republic of Belarus*

8. STRUCTURE AND MAIN TENDENCIES OF PRIMARY MORBIDITY OF THE POPULATION OF THE REPUBLIC OF BELARUS

Levchik C., Zhivitskaya E.

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

9. CONIINE, PHYSICO-CHEMICAL PROPERTIES AND ITS APPLICATION IN THE ENVIRONMENTAL INDUSTRY

Luksha Y.¹, Shahab S.^{1,2,3}, Sheikhi M.³

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Institute of Physical Organic Chemistry NAS of Belarus, Minsk, Republic of Belarus*

³*Institute of Chemistry of New Materials NAS of Belarus, Minsk, Republic of Belarus*

10. ANTIOXIDANT ACTIVITY CHARACTERISTICS OF THE GANODERMA LUCIDUM SPOROCARPS EXTRACT

Lyamtseva A., Chubarova A.

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

11. HEALTH STATUS OF THE POPULATION OVER THE WORKING AGE IN THE TERRITORY OF THE REPUBLIC OF BELARUS

Makarevich D., Chernetskaya A.

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

12. ANALYSIS OF THE PREVALENCE OF DIGESTIVE DISEASES AMONG THE POPULATION OF THE REPUBLIC OF BELARUS

Mantivoda V., Sinelyova M.

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

13. ANALYSIS OF SENSITIVITY TO ANTIBIOTICS OF PROBIOTIC STRAINS OF LACTIC ACID BACTERIA

Mazanik N., Gritskevich E.

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

14. GESTOSIS AS PATHOLOGICAL CONDITIONS OF THE SECOND HALF OF PREGNANCY

Nechayeva Y., Kozelko N.

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

15. ANALYSIS OF STOLIN DISTRICT THYROID DISEASES INCIDENCE IN 2013-2017

Nikonchik A., Porada N.

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

16. HYGIENIC ASSESSMENT OF DRINKING WATER SUPPLY OF THE BREST REGION (2007–2017)

Seledchik M., Dubina M.

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

17. EVALUATION OF THE ROLE OF CYTOLOGICAL STUDIES IN VETERINARY DERMATOLOGY

Semak A., Lyakh Yu.

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

18. THE IMPACT OF METABOLIC PROCESSES DISORDERS ON THE HOMEOSTASIS IN THE BODY CELLS

Semeenko T., Ivashkevich A., Puhteeva I., Gerasimovich N.

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

19. ANTIOXIDANT ACTIVITY OF VARIOUS SPECIES OF LILAC (SYRINGA) BARK EXTRACTS

Shkurko D.¹, Tarun E.¹, Kravchenya E.¹, Kurchenko V.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Belarusian State University, Minsk, Republic of Belarus*

20. SYNTHESIS, ABSORPTION AND FLUORESCENCE SPECTRA OF 10-HYDROXYDECAHYDROACRIDIN-1,8-DIONE DERIVATIVE

Smolnik M., Leshok V., Pyrko A.

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

21. SYNTHESIS AND ANTIOXIDANT ACTIVITY OF TETRACYCLIC COUMARINE DERIVATIVE

Smolnik M., Pyrko A.

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

22. MEDICINAL PLANTS AND THEIR BACTERICIDAL ACTION

Stasevich A.

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

23. SOCIO-ECOLOGICAL MONITORING AS AN INDICATOR OF ECOLOGICAL CONSCIOUSNESS

Verbitskaya A., Kozelko N.

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

24. ANTIOXIDANT ACTIVITY OF DAIRY MIXTURES FOR CHILD NUTRITION

Yushkevich M., Tarun E.

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

DISTANT PARTICIPATION

1. ANALYSIS OF PHYSIOLOGICAL AND PATHOPHYSIOLOGICAL ROLE OF COMPLEMENT SYSTEM IN CONDITIONS OF CHRONIC INFECTIOUS-INFLAMMATORY PROCESS

Alisevich K., Romanovskaya T.

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

2. STUDY OF REACTIONS OF HUMAN SOMATIC CELLS TO THE EFFECT OF ADVERSE FOCAL POINTS OF EXTERNAL ENVIRONMENT

Arkadiev O.

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

3. TOXICOLOGICAL EVALUATION OF EPICUTANEOUS EFFECT, INHALATION OF HEXYL ESTER OF 5-AMINOLEVULINIC ACID AND ITS REGULATION

Atroshko M.¹, Vlasenko E.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Scientific Practical Centre of Hygiene, Minsk, Republic of Belarus*

4. TOXICOLOGICAL EVALUATION OF LOCAL IRRITATING EFFECT AND APPLICATION TO MUCOUS MEMBRANES OF THE EYES OF HEXYL ESTER OF 5-AMINOLEVULINIC ACID AND ITS REGULATION

Atroshko M.¹, Vlasenko E.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Scientific Practical Centre of Hygiene, Minsk, Republic of Belarus*

5. ANALYSIS OF HUMAN CHORIONIC GONADOTROPIN USING HIGH-RESOLUTION TANDEM MASS-SPECTROMETRY

Babaryko D.^{1,2}, Hulyta I.^{1,2}, Bakakina Y.¹, Syakhovich V.^{1,2}

¹*National Anti-Doping Laboratory, Lesnoy, Republic of Belarus*

²*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

6. SYNTHETIC ANALOGS OF NATURAL PHENOLIC ANTIOXIDANTS AND ANTIMUTAGENS FROM RASPBERRY AND GINGER

Bandarenko M.

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

7. THE INFLUENCE OF DIFFERENT TYPES OF CAROTENOIDS ON THE RISK OF NON-HODGKIN'S LYMPHOMA

Bushkevich N., Lemiasheuski V.

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

8. GENDER AND AGE SPECIFIC FEATURES OF THE CIRCULATORY SYSTEM DISEASES OF THE POPULATION IN MINSK REGION

Cheplya V.

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

9. THYROID MALIGNANT TUMORS INCIDENCE IN MINSK AND MINSK REGION IN 2007-2016

Dovydenko E., Sinelyova M.

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

10. ANALYSIS OF CHEMICALLY MODIFIED HEMOGLOBIN USING PROTEOMIC METHODS

Efimovich D.^{1,2}, Babaryko D.^{1,2}, Ruta-Zhukouskaia E.¹, Syakhovich V.^{1,2}

¹*National Anti-Doping Laboratory, Lesnoy, Republic of Belarus*

²*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

11. BIOLOGICALLY ACTIVE ACTION OF AMINO ACIDS AND THEIR APPLYING IN THE CLINIC

Glazko O.

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

12. THE PREVALENCE OF MALIGNANT NEOPLASMS OF THE DIGESTIVE SYSTEM IN THE POPULATION OF THE REPUBLIC OF BELARUS

Grigorovich A., Sinelyova M.

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

13. MOLECULAR GENETIC DIAGNOSTICS AS A METHOD FOR DETERMINING THE CARRIAGE OF BACTERIAL PATHOGENS INFECTIONS INTO WILD WATERFOWL BIRDS

Grinek A.¹, Tchaikovskiy A.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*SPC NAS of Belarus for Biological Resources, Minsk, Republic of Belarus*

14. ENVIRONMENTAL IMPACT ON MENTAL HEALTH

Gromova T., Kozelko N.

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

15. ASSESSMENT OF ENVIRONMENTAL STATUS IN OVERWEIGHT INDIVIDUALS

Ali A. Hussein, Loseva L., Krupskaya T.

Yanka Kupala State University of Grodno, Grodno, Republic of Belarus

16. PERIPHERAL BLOOD MEMORY T-CELLS SUBPOPULATIONS IN PATIENTS WITH SECONDARY COMPLICATIONS IN CHRONIC HCV INFECTION

Ivuts U., Lykashik S., Zafranskaya M.

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

Belarusian Medical Academy of Postgraduate Education, Minsk, Republic of Belarus

Belarusian State Medical University, Minsk, Republic of Belarus

17. CHARACTERISTICS OF $\gamma\delta$ T-LYMPHOCYTES IN PATIENTS WITH HEPATITIS C VIRUS INFECTION

Kalacheva A.¹, Lukashyk S.², Nizheharodava D.^{1,3}

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Belarusian State Medical University, Minsk, Republic of Belarus*

³*Belarusian Medical Academy of Post-Graduate Education, Minsk, Republic of Belarus*

18. DEPENDENCE OF THE PTV VOLUME ON THE NUMBER OF NEEDLES DURING HDR BRACHYTHERAPY FOR POSTATE CANCER

Kazlouski D., Plyshevskaya A., Kazlouskaya Y.

N.N. Alexandrov National Cancer Centre of Belarus, Lesnoy, Republic of Belarus

19. INTERPRETATION OF ELISA RESULTS IN THE DIAGNOSIS OF THE HERPES VIRUS

Kostina J., Tarasova E.

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

20. INFLUENCE OF THE MINERAL COMPOSITION OF WATER ON HUMAN HEALTH

Kurilyak M.

Perm State Medical University named after Academician E.A. Wagner, Perm, Russian Federation

21. THE CARCINOGENIC EFFECT OF BENZAPIRENE AS A SUBSTANCE IN THE COMPOSITION OF EXHAUST GASES OF CARS

Kurilyak M.

Perm State Medical University named after Academician E.A. Wagner, Perm, Russian Federation

22. EXCESS AND LACK OF FLUORINE IN DRINKING WATER AS THE BASIS OF PATHOLOGICAL CHANGES IN THE ORGANISM

Kurilyak M.

Perm State Medical University named after Academician E.A. Wagner, Perm, Russian Federation

23. THE EFFECT OF CULTURE FLUID AND STRUCTURAL COMPONENTS OF MICELIUM *PHALLUS IMPUDICUS* L. ON THE PROLIFERATIVE ACTIVITY OF LYMPHOCYTES

Labai M.¹, Ikonnikova N.¹, Lobatyuk A.¹, Karaman M.², Marić J.², Rakić M.²

¹Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

²Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia

24. LYMPHOCYOT-STIMULATING ACTIVITY OF HUMAN PERIPHERAL BLOOD MONONUCLEARS IN THE PRESENCE OF *PHALLUS IMPUDICUS* L. EXTRACTS

Labai M.¹, Ikonnikova N.¹, Karaman M.², Marić J.²

¹Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

²Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia

25. STATE OF ALCOHOL DEPENDENCE PROBLEM IN MINSK AND MINSK REGION

Lukashevich A., Snytkov E., Melnov S., Zhilach A.

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

Minsk Regional Clinical Center «Psychiatry – Narcology», Minsk, Republic of Belarus

26. POPULATION FREQUENCIES OF MINOR CONGENITAL DEFORMITIES

Makey T., Ershova-Pavlova A., Kokorina N.

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

27. RETROSPECTIVE ANALYSIS OF TUBERCULOSIS INCIDENCE IN MINSK REGION (2012-2017)

Marshalkovich S.¹, Dubina M.¹, Chmara I.²

¹Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

²Dzerzhinsk Central district hospital, Dzerzhinsk, Republic of Belarus

28. POSSIBILITIES OF THE MICRONUCLEUS TEST IN DETERMINATION OF MUTAGENIC PRESSURE OF ENVIRONMENTAL FACTORS ON THE HUMAN BODY

Matoshko E.

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

29. COMPARATIVE ANALYSIS OF THE INDICATORS OF ONCOLOGICAL MORBIDITY AND MORTALITY AMONG URBAN AND RURAL POPULATION OF THE REPUBLIC OF BELARUS

Matoshko E.

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

30. ANALYSIS OF CRITERIA FOR EVALUATING A DOSE TO THE HEART DURING RADIATION THERAPY TREATMENT PLANNING FOR BREAST TUMORS USING RESPIRATORY GATING

Mayorava M., Titovich E., Piatkevich M., Kaprusynka A., Loika V., Makarava N.

N. N. Alexandrov National Cancer Center of Belarus, Minsk, Republic of Belarus

31. ANALYSIS OF DIAGNOSTIC VALUE OF POPULATION AND SUBPOPULATION STRUCTURE OF LYMPHOCYTES IN NORMAL AND HIV-INFECTION CONDITIONS

Mezin E., Romanovskaya T.

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

32. IRON DEFICIENCY ANEMIA AMONG PREGNANT WOMEN OF VARIOUS AGES

Novickaya M., Blinyaeva L.

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

33. ANALYSIS OF THE INCIDENCE OF THE POPULATION IN THE REPUBLIC OF BELARUS WITH HIV INFECTION IN THE PERIOD FROM 2006 TO 2016

Sergeeva Y., Porada N.

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

34. MONITORING OF POST-VACCINAL IMMUNITY AMONG THE PRESCHOOL-AGED CHILDREN OF MINSK

Shevtsov M.

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

35. ROLE OF GARDNERELLA VAGINALIS IN THE PATHOGENESIS OF BACTERIAL VAGINOSIS

Sinenok D., Tarasova E., Pajitok V.

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

36. COMPARISON OF IMRT AND VMAT METHODS WITH ACTIVE BREATHING COORDINATOR AND WITHOUT USING RADIATION OF STOMACH CANCER

Sribnaya N.

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

37. EPIZOOTIC MEASURES AS A FACTOR FOR PREVENTION OF INFECTIOUS DISEASES AMONG THE INHABITANTS OF MINSK ZOO

Strigelskaya N., Lyakh Yu.

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

38. ANALYSIS OF CESIUM-137 ACCUMULATION IN VEGETABLES AND MILK IN MINSK REGION

Svito E., Kravchenco V.

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

39. VERIFICATION OF THE MULTIMODAL TREATMENT PLAN ABSORBED DOSE AT REFERENCE POINT VALUE AS A MEAN OF ASSESSING THE QUALITY OF DYNAMIC RADIATION THERAPY PROVIDED

Titovich E., Loika V., Laskovets S., Piatkevich M.

N. N. Alexandrov National Cancer Center of Belarus, Minsk, Republic of Belarus

40. COMPLEMENT SYSTEM AS A BIOMARKET OF CARDIOVASCULAR DISEASES

Volodashchik T.

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

41. ECOLOGICAL FEATURES OF CONTRAST DYE USING IN X-RAY PATHOLOGY DIAGNOSTICS

Voropanov I., Lemiasheuski V.

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

42. DRD2 GENE AS A MARKER OF STRESS-RESISTANCE

Yanchuck E.¹, Mosse I.², Drozdov I.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Institute of Genetics and Cytology NAS of Belarus, Minsk, Republic of Belarus*

Section 3, lecture room 413

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

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

Co-Chairman: Goncharova N., Ph.D. in Biology, Associate Professor, Head of the UNESCO chair, ISEU BSU;

Secretary: Belyaeva T., Senior Lecturer of the Chair of Linguistic Disciplines and Intercultural Communications, ISEI BSU.

1. QUANTUM-CHEMICAL CALCULATIONS OF NEW AZOMETHINE COMPOUNDS WITH ANTIOXIDANT ACTIVITY

Atroshko M.

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

2. CHEMICAL MIXING SYSTEM

Astreyko A., Lefanova I.

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

3. THERMAL RESOURCES OF CLIMATE OF BELARUS AND THEIR APPLICATION IN “GREEN” ENERGY INDUSTRY

Barushka M.

Brest State Technical University, Brest, Republic of Belarus

4. RATIONING AND CONTROL OF SKIN, HANDS AND FEET IRRADIATION

Blagodarova Y., Tushin N.

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

5. ETHICAL ASPECTS OF RADIOLOGICAL PROTECTION

Brinkevich A., Tushin N., Belkov G.

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

6. THEORETICAL MODEL OF PHYSISORPTION EFFECT OF CO ON CONIINE AND FURANOCOUMARINS FOR AIR PURIFICATION

Cheplya V.¹, Shahab S.^{1,2,3}, Murashko M.¹

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Institute of Physical Organic Chemistry, NAS of Belarus, Minsk, Republic of Belarus*

³*Institute of Chemistry of New Materials, NAS of Belarus, Minsk, Republic of Belarus*

7. EFFECTIVENESS OF PRENATAL DIAGNOSTICS OF CONGENITAL DEVELOPMENT DISORDERS IN THE REPUBLIC OF BELARUS ACCORDING TO THE DATA OF THE BELARUSIAN REGISTER

Chirlina S., Ershova-Pavlova A., Kokorina N.

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

8. THE USE OF INFORMATION TECHNOLOGY IN THE SALE OF FORESTRY PRODUCTS OF THE GRODNO SIFA

Dumcheva A., Karpei A.

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

9. OPTIMIZATION OF RADIATION PROTECTION AT NPP. ALARA PROCEDURE AND EXAMPLES OF ITS PRACTICAL APPLICATION

Dvorakovskiy A., Tushin N.

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

10. SYSTEM OF AUTOMATIC MICROCLIMATE CONTROL AND REGULATION IN A ROOM

Golubovich A., Lefanova I.

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

11. RGB-HSV CONVERTER IN COMPUTER VISION SYSTEMS

Grinevich E., Lefanova I.

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

12. ANALYSIS OF SECONDARY RAW MATERIAL EXTRACTION IN THE US, THE RUSSIAN FEDERATION AND THE REPUBLIC OF BELARUS

Holevo A., Misuchenko V., Belyaeva T.

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

13. THE GERMAN ENERGY TRANSITION (ENERGIEWENDE): ORIGINS, CURRENT SITUATION AND PUBLIC OPINION IN THE FEDERAL REPUBLIC OF GERMANY

Hrytsai L.

Maria Curie-Skłodowska University, Lublin, Republic of Poland

14. ARE INSTITUTIONAL CHANGE AND THE IMPLEMENTATION OF THE ECOSYSTEM APPROACH SUCH STRANGE BEDFELLOWS? A CASE STUDY OF HELCOM AND THE BALTIC SEA ACTION PLAN

Jetoo S., Tynkkynen N.

Åbo Akademi University, Turku, Finland

15. ECOLOGY OF PYRAMIDAL STRUCTURES

Khamitsevich A., Krasovsky V.

Belarusian State University, Minsk, Republic of Belarus

16. THE STUDY OF THE OPTICAL PROPERTIES OF BLOOD IN THE CONDITIONS OF A LABORATORY WORK IN MEDICAL PHYSICS

Kemesh E., Pushkarev N.

Belarusian State University, Minsk, Republic of Belarus

Moscow State University, Moscow, Russian Federation

17. EXOSKELETON

Kirukhin I., Krasovsky V.

Belarusian State University, Minsk, Republic of Belarus

18. GAMMA-RAY BURST AS POSSIBLE CAUSE OF LATE ORDOVICIAN MASS EXTINCTION

Kutas V., Boyarkin O.

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

19. QUANTUM-CHEMICAL CALCULATION OF ANTIOXIDANT PROPERTIES OF SULFORAPHANE

Makeichyk V.

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

20. CURRENT ASSESSMENT OF THE SHENFLIZ POND CONDITION IN 2018-2019 (KALININGRAD)

Menshenin A., Tsoupikova N.

Kaliningrad State Technical University, Kaliningrad, Russian Federation

21. ENGINEERING OF A GENETIC CONSTRUCTION CONTAINING A KERATINASE GENE FROM BACILLUS LICHENIFORMIS

Mironova J.¹, Kazlouski I.², Zinchenko A.^{1,2}

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Institute of Microbiology, NAS, Minsk, Republic of Belarus*

22. CALCULATION AND EXPERIMENTAL STUDY OF BORIC ACID SOLUBILITY IN STEAM AT BOILING

Morozov A., Sakhigareev A., Shlepkin A.

Institute for Physics and Power Engineering named after A. I. Leypunsky, Obninsk, Russian Federation

23. RADIO FREQUENCY TECHNOLOGY: GENERAL AND THEORETICAL INFORMATION

Pasechnik I., Zhynko Y., Verlamov K.

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

24. PRE-SEEDING SEED TREATMENT IN ELECTRIC FIELD

Pashynski V., Velichko P.

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

25. QUALITY ASSURANCE OF COMPOUND LANDSCAPE COMPLEXES FUNCTIONING

Paslavskiy M.¹, Boyko T.², Ruda M.²

¹*Ukrainian National Forestry University, Lviv, Ukraine*

²*Lviv Polytechnic National University, Lviv, Ukraine*

26. DEVELOPMENT OF DOCUMENTATION ON WASTE MANAGEMENT FOR ENTERPRISE JSC “ECOVER PRO”

Pinchuk A., Misiuchenko V.

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

**27. STABILITY OF COMPOSITE LANDSCAPE COMPLEXES:
MODEL FORMALIZATION**

Ruda M., Boyko T.

Lviv Polytechnic National University, Lviv, Ukraine

**28. FEATURES OF APPLICATION OF THE AMDAHL'S LAW AND
THE GUSTAFSON – BARSIS'S LAW FOR THE EVALUATION OF THE
MAXIMUM SPEEDUP OF COMPUTATIONS IN FORECASTING OF
RADIONUCLIDE'S SPATIAL MIGRATION IN NATURAL DISPERSE
ENVIRONMENT**

Shalkevich P.¹, Kundas S.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Belarusian National Technical University, Minsk, Republic of Belarus*

**29. EFFECTS OF CURRENT ECOLOGICAL FACTORS ON PINUS
SYLVESTRIS IN THE "BELOVEZHSKAYA PUSHCHA" NATIONAL
PARK**

Shavalda E., Buško E.

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

**30. ANALYSIS OF LEGISLATIVE DOCUMENTS OF THE
EUROPEAN UNION AND THE REPUBLIC OF BELARUS IN THE
FIELD OF WASTE MANAGEMENT**

Shlyahatunova A., Misiuchenka V.

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

**31. STATE OF RADIOACTIVE POLLUTION OF WATERBODY
ECOSYSTEMS OF THE CHERNOBYL EXCLUSION ZONE BY BASIC
DOSE-FORMING RADIONUCLIDES**

Skibinskaya H., Dashkevich T.

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

**32. DEVELOPMENT OF THE «DETERMINATION OF SPECIFIC
ACTIVITY OF ORGANICALLY BINDED TRITIUM IN WATER»
PROJECT METHODOLOGY**

Skibinskaya H., Mironov V.

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

**33. PREVENTION OF POLLUTION WITH HEAVY METALS OF
HYDROECOSYSTEMS – ONE OF THE WAYS IN REALIZATION OF
SUSTAINABLE DEVELOPMENT**

Fedoniuk L., Skyba O.

Ivan Horbachevsky Ternopil National Medical University, Ternopil, Ukraine

**34. RESISTANCE OF LAKES OF BELARUS TO EUTROPHICATION
IN THE CONDITIONS OF VARIABLE CLIMATE**

Sukhovilo N.

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

35. PHYSICS OF SEMICONDUCTOR DETECTORS

Tsytko S.

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

36. METHODS FOR NO_x MEASUREMENT IN EXHAUST FROM AIRCRAFT ENGINES AT CIVIL AIRPORTS

Ulianova K., Synylo K.

National Aviation University, Kyiv, Ukraine

37. INTELLIGENT MONITORING

Yakshevich S., Piatnitsa D., Lipnitskiy L.

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

38. APPLICATION OF ELECTRIC ENERGY STORAGE DEVICES IN ELECTRIC SYSTEMS WITH RENEWABLE ENERGY SOURCES

Yatsko P., Krasovsky V.

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

POSTER PRESENTATIONS

1. MONITORING THE IMPACT OF DROUGHT ON DIFFERENT WHEAT VARIETIES USING FLUORESCENCE METHODS

Barboričová M., Chovanček E.

Slovak University of Agriculture, Faculty of Agrobiological Sciences, Department of Plant Physiology, Nitra, Slovak republic

2. INFLUENCE OF THE KOPYL BRANCH OF OJSC “SLUTSK CHEESE-MAKING PLANT” ON THE MAZHA RIVER

Barkovskaya A., Kalinin M.

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

3. ASSESSMENT OF THE ENVIRONMENTAL SITUATION IN THE PORT CITIES OF NSR

Chepliaeva P.

Lomonosov Moscow State University, Moscow, Russian Federation

4. ASSESSMENT OF RADIOACTIVE IMPACT ON INDIVIDUAL OBJECTS OF THE BIOTA ON THE LEVEL OF CONTAMINATION IN DIFFERENT TYPES OF LAKES

Chuholskiy A., Pashuk M.

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

5. QUANTUM-CHEMICAL CALCULATION AND SYNTHESIS OF NEW ANTHRAQUINONE COMPOUNDS FOR BIOLOGICAL APPLICATIONS

Drachilovskaya M.

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

6. USE OF SPECTRAL REFLECTANCE METHOD FOR MONITORING OF PLANT TRAITS AND DROUGHT STRESS EFFECTS IN WHEAT

Filaček A., Barboričová M.

Slovak University of Agriculture, Faculty of Agrobiological Sciences, Department of Plant Physiology, Nitra, Slovakia

7. USING NEAR INFRARED SPECTROSCOPY TO DETERMINE THE SCOTS PINE PLACE OF GROWTH

Khokh A.

Scientific and Practical Center of the State Forensic Examination Committee of The Republic of Belarus, Minsk, Republic of Belarus

8. COMPARATIVE ANALYSIS OF THE ANATOMOMETRIC INDICATORS OF SCOTS PINE NEEDLES IN DIFFERENT TYPES OF FORESTS

Khokh A.

Scientific and Practical Center of the State Forensic Examination Committee of The Republic of Belarus, Minsk, Republic of Belarus

9. BIOINDICATION AS THE BASIC METHOD OF ANALYSIS OF THE ECOLOGICAL CONDITION OF THE DISTRICTS OF MINSK

Kulesh T., Makarevich A., Andronchik I.

Secondary school № 64, Minsk, Republic of Belarus

10. METHOD DEVELOPMENT FOR DETERMINATION OF PHARMACEUTICAL WASTE IN WATER BY UV-VIS SPECTROSCOPY

Lobova E., Pytlyak E., Chikova T., Savastenko N.

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

11. ENVIRONMENTAL PROBLEMS RELATED TO MULTI LAYERED PACKAGING WASTE

Mumladze T., Šleiniūtė A., Denafas G.

Kaunas University of Technology, Kaunas, Lithuania

12. SPECTROSCOPIC STUDIES (GEOMETRY OPTIMIZATION, E → Z ISOMERIZATION, UV/VIS, EXCITED STATES, FT-IR, HOMO-LUMO, FMO, MEP, NBO) OF NEW AZOMETHINE STRUCTURES FOR BIOLOGICAL AND BIOCHEMICAL APPLICATIONS

Pazniak A.¹, Shahab S.^{1,2,3}, Sheikhi M.⁴, Filippovich L.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Institute of Physical Organic Chemistry NAS of Belarus, Minsk, Republic of Belarus*

³*Institute of Chemistry of New Materials NAS of Belarus, Minsk, Republic of Belarus*

⁴*Young Researchers and Elite Club, Gorgan Branch, Islamic Azad University, Gorgan, Iran*

13. PHOTODEGRADATION OF CAFFEINE OVER PLASMA TREATED ZnO-BASED CATALYSTS DOPED WITH Ag NANOPARTICLES

Pytlyak E., Lobova E., Shcherbovich A., Savastenko N.

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

14. ASSESSMENT OF POLLUTION SOURCES AND SURFACE WATER QUALITY IN MINSK

Rabychyn K., Kapitsa U.

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

15. INVESTMENT ATTRACTIVENESS OF AGRICULTURE OF PAKISTAN

Rasheed I., Paska I.

Bila Tserkva National Agrarian University, Bila Tserkva, Ukraine

16. NANOSPHERES DOPED WITH QUANTUM DOT AND PHOTOCROMES

Shcherbovich A.¹, Karpach P.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Yanka Kupala State University of Grodno, Grodno, Republic of Belarus*

17. CHANGES IN THE ENVIRONMENTAL SITUATION IN THE VOLGA REGION FROM 2000 TO 2016

Shelkov Y.

Lomonosov Moscow State University, Moscow, Russian Federation

18. CURRENT DETECTOR

Shmarlovsky A.¹, Belozarov D.²

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Joint Institute for Nuclear Research, Dubna, Russian Federation*

19. APPLICATION OF METHODS OF RADIONUCLIDE DIAGNOSTICS USING «DECLIPSESPECT» NAVIGATION DISTRIBUTION SYSTEM FOR SURGICAL PURPOSES

Shpak D., Chikova T.

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

20. HEAVY METAL HYPERACCUMULATORS AND THE DEVELOPMENT OF URBAN SOIL REMEDIATION STRATEGIES

Zhuravkov Y., Bondarchik R., Kovaliov V.

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

DISTANT PARTICIPATION

1. PATTERNS OF CADMIUM AND LITHIUM IONS EFFECT ON YEAST CELLS

Afonin A., Lyapunova E., Komarova L.

Obninsk Institute for Nuclear Power Engineering, Obninsk, Russian Federation

2. INFLUENCE OF MACHINE-BUILDING ENTERPRISES ON SOIL CONTAMINATION

Aleinikova A., Golovatyi S.

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

3. DESIGN AND DEVELOPMENT OF AN AIRCRAFT-BASED MODULAR SYSTEM FOR COLLECTING METEOROLOGICAL DATA

Donchukov R., Smirnova T.

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

4. SIMULATION OF INTERACTION OF HIGH ENERGY PROTON BEAM WITH HEAVY TARGETS

Dubrouski A., Kiyavitskaya A.

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

5. ESTIMATION OF HEAVY METAL SOIL POLLUTION IN THE IMPACT AREA OF A CEMENT ENTERPRISE USING THE METHOD OF X-RAY FLUORESCENCE SPECTROSCOPY

Dybchik K., Samusik E.

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

6. FORMATION, ACCUMULATION AND DISPOSAL OF POLYMER WASTE IN THE REPUBLIC OF BELARUS

Gerasimchuk I., Golovaty S.

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

7. FREQUENCIES OF COLORING PHENOTYPES OF SYNANTHROPIC URBAN PIGEON (*COLUMBA LIVIA F.URBANA*) IN REGIONAL CITIES OF BELARUS

Handogiy I.

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

8. APPLICATION PROSPECTS OF ELECTRONIC PORTAL IMAGING DEVICE FOR THE PRE-TREATMENT VERIFICATION IN N.N. ALEXANDROV NATIONAL CANCER CENTRE OF BELARUS

Holdman E., Titovich E.

N.N. Alexandrov National Cancer Centre of Belarus, Lesnoy, Republic of Belarus

9. TOTAL BODY IRRADIATION WITH VOLUMETRIC MODULATED ARC THERAPY: DOSIMETRIC DATA AND FIRST PRE-TREATMENT EXPERIENCE

Holdman E., Titovich E.

N.N. Alexandrov National Cancer Centre of Belarus, Lesnoy, Republic of Belarus

10. INTERNATIONAL APPROACHES TO ASSESSMENT OF EXPOSURE DOSE TO POPULATION DUE TO DISCHARGES FROM NUCLEAR POWER PLANTS INTO WATER BODIES

Huseinava D.

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

11. FOREST ECOSYSTEMS' IMPACT ON THE CARBON BALANCE

Kankova V., Narkevitch I.

Belarusian State University, ISEI BSU, RUE "Belarusian Research Center "Ecology", Minsk, Republic of Belarus

12. RESPONSIBLE CHOICE OF LIGHT BULBS EQUALS HELP TO NATURE AND MEN

Karnatsevich R., Karnatsevich I.

Gymnasium № 9 of Minsk, Minsk, Republic of Belarus

13. BETULA PENDULA ROTH POLLEN AS A BIOINDICATOR OF THE POLLUTION DEGREE IN URBAN AREAS

Khokh A.

Scientific and Practical Center of the State Forensic Examination Committee of the Republic of Belarus, Minsk, Republic of Belarus

14. IMPLEMENTATION OF BIOTEST ORGANISMS OF DIFFERENT TROPHIC LEVELS IN SAFETY OF BAKERY

Kondratenko I., Tarantsov V.

Odessa National Academy of Food Technologies, Odessa, Ukraine

15. ANALYSIS OF ANTHROPOGENIC INFLUENCE ON THE ENVIRONMENTAL COMPONENTS DURING THE DEVELOPMENT OF CONIFEROUS OIL DEPOSIT IN THE TOMSK REGION

Kucheryavchenko U.

Tomsk State University, Tomsk, Russian Federation

16. CONTENT ASSESSMENT OF INORGANIC SUBSTANCES IN THE AMBIENT AIR OF THE STERLITAMAK CITY IN 2010-2012

Kulakova E., Safarov A.

Ufa State Petroleum Technical University, Ufa, Russian Federation

17. CONTENT ESTIMATION OF ORGANIC SUBSTANCES IN THE AMBIENT AIR OF THE STERLITAMAK CITY IN 2010-2012

Kulakova E., Safarov A.

Ufa State Petroleum Technical University, Ufa, Russian Federation

18. WETLAND BIRDS OF MINSK AS A POTENTIAL FOCUS OF CERCARIOSIS

Lazavy O.¹, Khandohiy A.², Gomel K.²

¹*Gymnasium № 19 of Minsk, Minsk, Republic of Belarus*

²*Belarusian State Pedagogical University of Maxim Tank, Minsk, Republic of Belarus*

19. REDEVELOPMENT AND THE ENVIRONMENTAL COMPONENT OF SECURITY

Maksimoutsou D.

Institution Education Academy of Management under the President, Minsk, Republic of Belarus

20. REGENERATION IN CULTURE OF REMONTANT RASPBERRY LEAVES EXPLANTS

Maksimuk A.

Brest State University named after A.S. Pushkin, Brest, Republic of Belarus

21. INFLUENCE OF COPPER-CONTAINING FERTILIZERS ON CROP GROWTH AND DEVELOPMENT AT THE EARLY STAGES OF GROWTH

Markiyanchik N.

Zhodino Secondary School № 5, Zhodino, Republic of Belarus

22. FEATURES OF BIOLOGICAL DEGRADATION OF COMPOSITE POLYMERIC MATERIALS

Melnikova A., Orekhova V., Komarova L.

Obninsk Institute for Nuclear Power Engineering, Obninsk, Russian Federation

23. QUANTITATIVE DETERMINATION OF THE SOAP CONTENT OF NATURAL WATERS

Nekhan N.¹, Zhylko V.²

¹Belarusian State Pedagogical University named after Maxim Tank, Minsk, Republic of Belarus

²Belarusian State University, ISEI BSU, Minsk, Republic of Belarus

24. POSSIBLE CONSEQUENCE OF ACCUMULATING OF AMERICIUM-241 IN POLESYE STATE RADIATION-ECOLOGICAL RESERVE

Nikitin E., Dashkevich T., Kovaleva T.

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

25. DEVELOPMENT OF METHODOLOGICAL RECOMMENDATIONS FOR THE ESTABLISHMENT OF PHYSICAL AND TECHNICAL SUPPORT FOR EXTERNAL RADIATION THERAPY PROCEDURES

Piatkevich M., Makarava N., Titovich E., Malishevskiy V.

N.N. Alexandrov National Cancer Centre of Belarus, Lesnoy, Republic of Belarus

26. DEVELOPMENT OF METHODOLOGICAL RECOMMENDATIONS REGULATING THE SELECTION OF EXTERNAL BEAM RADIATION THERAPY TECHNIQUE AND PARAMETERS OF TREATMENT PLANNING

Piatkevich M., Makarava N., Malishevskiy V., Mayorava M.

N.N. Alexandrov National Cancer Centre of Belarus, Lesnoy, Republic of Belarus

27. ASSESSMENT OF SOIL POLLUTION BY VARIOUS POLLUTANTS IN THE INFLUENCE ZONE OF PETROCHEMICAL ENTERPRISES

Podolinskaya T., Golovatyi S.

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

28. REQUIREMENTS FOR THE POSITRON-EMISSION TOMOGRAPHY COMBINED WITH THE X-RAY COMPUTER TOMOGRAPH

Popchenya O.

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

29. POSITRON EMISSION TOMOGRAPHY VISUALIZATION PROCESS

Popchenya O.

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

30. CHARACTERISTICS TO BE MONITORED ON PET/CT

Popchenya O.

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

31. MIGRATION OF HEAVY METALS TO BOTTOM SEDIMENTS AND HYDROBIONTS

Pozdnyakova A., Germenchuk M.

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

32. APPLICATION OF UV SPECTROPHOTOPHETOMETRY IN ANALYSIS OF MEDICINES

Rodishevskiy N.

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

33. BIOMONITORING AS A METHOD FOR ASSESSING THE TOXICITY OF THE ENVIRONMENT OF URBAN ECOSYSTEMS

Rogachko Ye., Kovalenko I.

Odessa National Academy of Food Technologies, Odessa, Ukraine

34. TO THE QUESTION OF DIFFERENTIATED RATING OF THE CONTENT OF CHEMICAL ELEMENTS IN SOILS OF BELARUS

Savon E.¹, Savchenko S.², Golovatyi S.¹

¹*Belarusian State University, ISEI BSU, Minsk, Republic of Belarus*

²*Institute of Nature Management of the NAS of Belarus, Minsk, Republic of Belarus*

35. THE POSSIBILITY OF REGULATING THE SEED GERMINATION OF WHEAT CULTIVAR VASILISA BY TREATMENT WITH EPIBRASSINOLIDE AND WITH A 150 mMOL NaCl BACKGROUND

Semeniuk A.

Brest State University named after A.S. Pushkin, Brest, Republic of Belarus

36. SUBSTRATE CREATION FROM SEWAGE SLUDGE FOR BIOLOGICAL SOIL REMEDIATION

Shkvirko O., Tymchuk I., Malovanyy M.

Lviv Polytechnic National University, Lviv, Ukraine

37. STATISTICAL ANALYSIS OF QUALITY OF TREATMENT OF CERVICAL CANCER BY METHOD OF COMBINED RADIATION THERAPY IN STATE INSTITUTION “N. N. ALEXANDROV NATIONAL CANCER CENTER OF BELARUS”

Shturo I., Chikova T.

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

38. STUDY OF STABILITY OF AN IMMOBILIZED LIPASE RHIZOPUS JAPONICUS IN THE HYDROLYSIS OF HYDROGENATED FAT

Skliar V., Krusir G.

Odessa National Academy of Food Technologies, Odessa, Ukraine

39. RESEARCH OF THE INFLUENCE OF THE BAIKAL EM ON THE COMPOSTING OF FOOD MIXTURE

Sokolova V., Krussir G., Kuznecova I.

Odessa National Academy of Food Technologies, Odessa, Ukraine

40. RECOGNITION OF OBJECTS BASED ON THE COMPUTER VISION SYSTEM ON RASPBERRY PI

Tkachenko S.

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

41. POTENCIALITIES OF REAGENT PURIFICATION OF POLLUTED INDUSTRIAL WASTEWATERS

Yakimenko A.

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

42. ECOLOGICAL SIGNIFICANCE OF WHITE MISTLETOE (*VISCUM ALBUM L.*)

Yurel V.

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

43. DISTRIBUTION OF WHITE MISTLETOE (*VISCUM ALBUM L.*) IN THE CENTRAL PART OF THE REPUBLIC OF BELARUS

Yurel V.

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

44. APPROACHES TO CALCULATION OF WATER USE FOR ENTERPRISES OF DAIRY INDUSTRY

Zakharko P.

Central Research Institute for Complex Use of Water Resources, Minsk, Republic of Belarus

**45. WIND ENERGY DEVELOPMENT IN THE REPUBLIC OF
BELARUS**

Zianiutsich F., Kazakevich T.

Gymnasium № 9 of Minsk, Minsk, Republic of Belarus

**International Round Table «ROLE OF UNESCO
AND GLOBAL BIOETHICS IN THE DEVELOPMENT
OF MANKIND ON THE PATH
OF SUSTAINABLE DEVELOPMENT»**

lecture room 312

Moderators:

Goncharova N., Ph.D. in Biology, Associate Professor, Head of the UNESCO chair, ISEU BSU;

Mishatkina T., Ph.D. in Philosophy, Associate Professor of the Chair of Social and Human Sciences and Sustainable Development, ISEI BSU;

Smolnik N., Head of the Training and Methodological Laboratory of Environmental Education «LEU», ISEU BSU.

FOR NOTES

FOR NOTES

FOR NOTES

**International Sakharov Environmental Institute
of Belarusian State University**

**23/1 Dolgobrodskaya Street
220070 Minsk
Republic of Belarus**

Tel.:+375 17 398 96 24

Fax:+375 17 398 96 24

+375 17 398-99-79

E-mail:res_sector@iseu.by

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

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

