

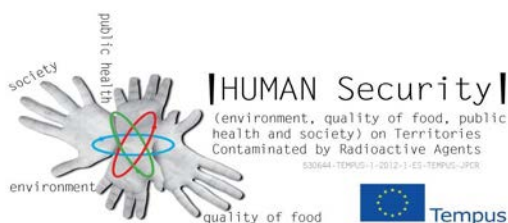
**Ministry of Education of the Republic of Belarus
Ministry of Natural Resources and Environmental Protection
of the Republic of Belarus
Public Council of Basic Organization for Ecological Education of CIS countries
Belarusian State University
International Sakharov Environmental Institute of Belarusian State University**



PROGRAM

**Vth International Scientific Conference
of young scientists, graduates, master and PhD students
“Actual Environmental Problems”**

**November 24–25, 2016
Minsk, Republic of Belarus**



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- S. A. MASKEVICH – Professor, Doctor of Sciences in Physics and Mathematics, Director, ISEI BSU –Chairman;*
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V. N. LUCHINA – Deputy Dean for Ideological and Educational work, ISEI BSU;

Y. V. MALINOVSKAYA – Ph.D., Department of Environmental and Molecular Genetics, ISEI BSU;

L. A. MAYOR - Specialist of the Research Sector, ISEI BSU;

V. A. PASHINSKY – Associate Professor, Ph.D., Department of Environmental Monitoring and Management, ISEI BSU;

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V. I. KRASOVSKI – Associate Professor, Ph.D., Deputy Director for Educational and Ideological work, ISEI BSU;

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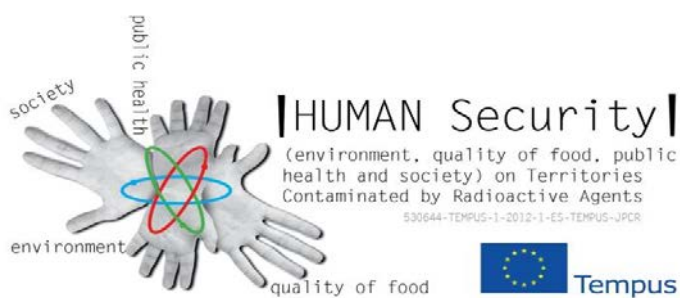
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THE CONFERENCE IS HELD WITH FINANCIAL SUPPORT OF:

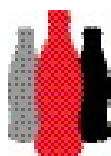
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GENERAL INFORMATION

<i>Conference Venue</i>	International Sakharov Environmental Institute of Belarusian State University 23/1, ul. Dolgobrodskaya 220070, Minsk, Belarus
<i>Way from Railway Station</i>	from the metro station “Ploshad Lenina” to “Tractorny zavod”
<i>Registration of the Participants</i>	Hall of ISEI BSU (1 st floor)
<i>Plenary Session Venue</i>	Lecture room 21
<i>Sectional Session Venue</i>	Building 1, lecture rooms 21, 22, 413, 415
<i>Plenary Reports</i>	Total time (reports and discussion) 20 minutes
<i>Sectional Reports</i>	Total time (reports and discussion) 10 minutes
<i>Poster Reports</i>	Are presented in the library room 211. Place for the report – A1
<i>Use of Informational Technologies</i>	The reporters can use a multimedia projector. Presentation files must be copied in advance

Phone: +375 17 398 93 44

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AGENDA OF THE CONFERENCE

24 November, Thursday

- 9.00–9.45 – registration of the participants (hall, 1st floor)
- 9.45–11.20 – opening of the Conference (plenary session, lecture room 21)
- 11.30–12.30 – poster session (library, room 211 of ISEI BSU)
- 12.30–13.30 – dinner
- 13.30–18.00 – sectional session (according to the schedule)

25 November, Friday

- 9.45–11.20 – sectional session (22)
- 12.00–13.00 – presentation of reports and draft resolutions based on results of section work

Section 1 – lecture room 22

Section 2 – lecture room 21

Section 3 – lecture room 413

Section 4 – lecture room 415

OPENING OF THE CONFERENCE

Lecture room 21

CONFERENCE OPENING

Director of the International Sakharov Environmental Institute of Belarusian State University, Professor, Doctor of Sciences in Physics and Mathematics

Maskevich Sergey Aleksandrovich

PLENARY SESSION

Lecture room 21 (9.45–11.20)

Chairman: S. A. Maskevich, Director, Professor, Doctor of Sciences in Physics and Mathematics, International Sakharov Environmental Institute of Belarusian State University

Co-Chairmans: M. G. Germenchuk, Associate Professor, Ph.D., Head of the Center of Hydrometeorology, Radioactive Contamination Control and Environmental Monitoring of the Republic of Belarus

1. SOIL DECONTAMINATION: PRINCIPLES OF PHYTOREMEDIATION

N. V. Goncharova

Associate Professor, Ph.D., International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

2. IODINE DEFICIENCY ELIMINATION IN BELARUS: 20 YEARS OF EXPERIENCE

S. V. Petrenko

Associate Professor, Ph.D, International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

3. THE CHERNOBYL AND FUKUSHIMA NUCLEAR DISASTERS: ENVIRONMENTAL CONTAMINATION AND THE PROBLEMS OF ITS REHABILITATION

L. N. Maskalchuk

Associate Professor, Doctor of Technical Sciences, International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

SECTIONAL WORK

Section 1, lecture room 22 (13.30–18.00)

SOCIAL AND ENVIRONMENTAL, ETHICAL AND PEDAGOGICAL PROBLEMS IN ACCORDANCE WITH A.D.SAKHAROV'S IDEAS

Chairman: *N. D. Lepskaya, Head of the Department of Philosophy, Sociology and Economics, Ph.D., ISEI BSU;*

Co-Chairman: *A. V. Sivagrakau, Associate Professor, Ph.D., Department of Philosophy, Sociology and Economics, ISEI BSU*

Secretary: *A. I. Brinkevich, 2-year student, ISEI BSU*

1. PROBLEMS OF THE ORGANIZATION OF NON-WASTE PLANTS IN BELARUS

Aliev M., Kuzina L., Surint T.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

2. ON PROMOTION OF “ECOLOGICAL FOOTPRINT” IN THE REPUBLIC OF BELARUS

Astrouskaya L., Sivagrakau A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

3. TO THE ISSUE OF RESTORATION OF AIR QUALITY IN THE REPUBLIC OF BELARUS

Batalevich N., Luchina V.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

4. RESPECT TO ANY LIFE FORM AS THE WAY TO MORE HUMANE ALTERNATIVE

Boika M., Merkulova I., Mamaiko A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

5. THE IMPACT OF INFORMATION TECHNOLOGIES ON CONTEMPORARY SOCIETY

Bogdanyuk E., Dumcheva A., Kononchuk N., Olevskaya I., Sybbota E.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

6. SOME PROBLEMS OF ECOLOGICAL EDUCATION

Brinkevich A., Bonohova Y., Olevskaya I.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

7. THE HAPPY PLANET INDEX IN BELARUS

Bushkevich N., Sivagrakau A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

8. ECOLOGICAL AND ECONOMIC PROBLEMS OF THE WORLD OCEAN

Gaikova E., Kuzina L., Surint T.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

9. THE PROBLEM OF OVERPRODUCTION OF FOOD RESOURCES AND METHODS OF ITS SOLUTION

Galitskaya E., Kuzina L., Tretyak G.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

10. ASSESSMENT OF THE THREAT OF NUCLEAR TERRORISM

Gurlo D., Streluyk V.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

11. SOCIAL ASPECTS OF BIOTECHNOLOGY

Kacharhina N., Lepskaya N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

12. THE PROBLEMS OF TRANSITION TO GREEN ECONOMY

Kavaliova V., Kuzina L.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

13. PSYCHOLOGY OF HUMAN BEHAVIOR IN INTENSE, EXTREME AND EMERGENCY SITUATIONS

Ostapchenya D., Burak V., Olevskaya I.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

14. THE 6-HOUR WORKING DAY IN SWEDEN: WHAT ABOUT ISEI BSU?

Putchynskaya B., Sivagrakau A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

15. THE IMPACT OF THE ENDOCRINE SYSTEM ON THE MENTAL AND PSYCHOLOGICAL HEALTH OF THE PERSON

Rebeeva M., Olevskaya I., Tsurdeeva A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

16. THE MAIN ETHICAL AND SOCIAL ISSUES IN SEARCH OF BIOMARKERS FOR AUTISM

Ryzhkova V.¹, Melnov S.²

¹*International Sakharov Environmental Institute of Belarusian State University, Republic of Belarus;*

²*Belarusian Research Center «Ecology», Minsk, Republic of Belarus*

17. LEGAL REGULATION OF PLANT BIODIVERSITY CONSERVATION IN THE REPUBLIC OF BELARUS

Scryabina D., Luchina V.

International Sakharov Environmental Institute of Belarusian State University Minsk, Republic of Belarus

18. THE ANALYSIS OF THE ENVIRONMENTAL AND LEGAL OUTCOMES OF THE 21ST CONFERENCE OF THE PARTIES TO THE UN FRAMEWORK CONVENTION ON CLIMATE CHANGE IN THE CONTEXT OF ENVIRONMENTAL AND ECONOMIC INTERESTS OF THE REPUBLIC OF BELARUS

Yanush V., Luchina V.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

19. THE FORMATION OF ECOLOGICAL COMPETENCES OF THE TEACHERS WITHIN THE DISTANCE COURSE OF EDUCATION

Yasaite M., Platun E., Zhuk E.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

POSTER PAPER

1. THE EXPERIENCE OF THE IMPLEMENTATION OF ADDITIONAL EDUCATION WITHIN A SOLUTION OF ENVIRONMENTAL SAFETY ISSUES

Platun E., Kapustina T., Zhuk E.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

2. THE PRINCIPLES OF THE ORGANIZATION OF OUT-OF-CLASS WORK FOR THE FORMATION OF ECOLOGICAL COMPETENCES OF PUPILS

Selmanovich O., Zhuk E.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

CORRESPONDENT PARTICIPATION

1. ENVIRONMENTAL ADVERTISING AS ECOLOGICAL WORLD VIEW FORMATION METHOD

Blagodarova Y., Lepskaya N., Subbota E.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

2. THE IMPLEMENTATION OF ADDITIONAL EDUCATION AS A PART OF THE COURSES DISTANCE LEARNING

Kapustina T., Zhuk E.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

MEDICAL ECOLOGY

Chairman: *S. V. Petrenko, Associate Professor, Ph.D., Research Sector, Laboratory of Anthropoecology and Epidemiology, ISEI BSU*

Co-Chairman: *Yu. V. Malinovskaya, Ph.D., Department of environmental and molecular genetics, ISEI BSU*

Secretary: *E. A. Sinevich, junior researcher, Department of environmental and molecular genetics, ISEI BSU*

1. THE CURRENT STATE OF THE HEALTH PROBLEM OF THE CHILDREN CONCEIVED USING ASSISTED REPRODUCTIVE TECHNOLOGIES

Asatryan M.¹, Kokorina N.¹, Tkachenko A.²

¹*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus;*

²*City Clinical Maternity Hospital №2, Minsk, Republic of Belarus*

2. BYSTANDER EFFECT AS PHENOMENON OF THE TRANSFER OF INFORMATION

Belkovskaya E., Tyshin N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

3. TOXICOLOGICAL CHARACTERISTICS HEXYL ESTER OF 5-AMINOLEVULINIC ACID

Boika M.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

4. REPRODUCTIVE HEALTH OF COUPLES IN ASSISTED REPRODUCTIVE TECHNOLOGY PROGRAMS

Brutskaya M.¹, Kamlyuk A.², Kokorina N.¹

¹*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus;*

²*Republican Scientific and Practical Center “Mother and Child”, Minsk, Republic of Belarus*

5. THE FUNCTIONING OF THYROID SYSTEM IN THE CASES OF A SYSTEMIC SCLERODERMA

Gerasimovich A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

6. ANALYSIS OF HEALTH AND PREGNANCY OUTCOME OF PATIENTS OF IVF PROGRAM

Gribovich R., Kamlyuk A., Kokorina N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

7. A QUALITATIVE ASSESSMENT OF THE NUTRIENT COMPOSITION OF THE STUDENTS' DIET

Grivusevich V., Ablecovscaya O.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

8. CONGENITAL MALFORMATIONS: FREOUENCY OF OCCCUERRENCE, PRINCIPLES OF EFFICIENCY AND PRENATAL DIAGNOSIS

Karpovich A.¹, Kamlyuk A.², Kokorina N.¹

¹*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus;*

²*Republican Scientific and Practical Center "Mother and Child", Minsk, Republic of Belarus*

9. THE ANALYSIS OF THE TUBERCULOSIS INCIDENCE AND MORTALITY OF THE POPULATION OF THE REPUBLIC OF BELARUS IN 2006–2014

Kisel D.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

10. MOLECULAR-GENETIC FEATURES OF GASTRIC CANCER

Kovsh A., Shpadaruk K., Smoluakova R.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

11. BIOCHEMICAL CHARACTERISTICS SUBMERGED MYCELIUM OF FUNGI OF THE GENUS *CORDYCEPS*

Lobay M.¹, Ikonnikova N.¹, Puchkova T.²

¹*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus;*

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

12. THE ANALYSIS OF DYNAMICS OF INCIDENCE OF RESPIRATORY DISEASES OF THE POPULATION OF THE REPUBLIC OF BELARUS IN 2006-2014

Lutchenko V.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

13. DIFFERENTIAL DIAGNOSIS OF LYMPHOMAS

Ladyha A., Smolyakova R., Shpadaruk K.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

14. MOLECULAR AND BIOLOGICAL BREAST CANCER

Marchuk I., Shpadaruk E., Smolyakova R., Gritsai N.

Belarusian State University, Minsk, Republic of Belarus

15. OSTEOARTHRITIS BIOMARKERS

Markevich M., Koktysh I., Gritsai N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

16. MOLECULAR GENETIC RESEACHES OF MELANOMA

Masliukova V., Shpadaruk K., Smolyakova R.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

17. A TRYPAN BLUE ABSORBANCE ASSAY FOR DETERMINATION OF CELL VIABILITY

Matusevich E., Yurkevich M.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

18. BREAST CANCER RISK FACTORS

Miller A., Malinovskaya Y.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

19. MOLECULAR-BIOLOGICAL MARKERS OF COLORECTAL CANCER

Moduleva E., Shpadaruk E., Smolyakova R., Gritsai N.

Belarusian State University, Minsk, Republic of Belarus

20. APPLICATION OF BOTH SPECIFIC AND NONSPECIFIC IMMUNOLOGICAL PARAMETERS IN ASSESSMENT OF RHEUMATOID ARTHRITIS

Moroz L.¹, Cherkovskaya A., Talako T.²

¹*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus;*

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

21. THE ROLE OF ESTABLISHING THE MAXIMUM ADMISSIBLE CONCENTRATION OF MEDICINAL SUBSTANCES AT PHARMACEUTICAL ENTERPRISES

Murina K., Lemiasheuski V., Klimovich O.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

22. CHROMOSOME ANALYSIS FOR CALIBRATION CURVE CREATION FOR POTENTIAL RETROSPECTIVE DOSE ESTIMATION

Ryzhkova V.¹, Nasonova E.², Kutsalo P.²

¹*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus;*

²*Joint Institute for Nuclear Research, Dubna, Russia*

23. MEDICAL WASTE. THE GROWING ISSUES OF MANAGEMENT AND DISPOSAL IN THE REPUBLIC OF BELARUS

Scherbina E.¹, Batyan A.¹, Kireikov A.²

¹*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus;*

²*Republic Research Unitary Enterprise «Bel RC «Ecology», Minsk, Republic of Belarus*

24. X-RAY FLUORESCENCE ANALYSIS OF LEAD-ZINC WASTES

Scherbina E.¹, Matyash M.¹, Batyan A.¹, Puhteeva I.¹, Gustova M.²,
Kamanina I.³, Puhaeva N.³, Chegoeva D.³

¹*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus;*

²*Joint Institute for Nuclear Research, Dubna, Russia;*

³*State University «Dubna», Dubna, Russia*

25. PESTICIDE POISONING AS A FACTOR OF SEIZURE AND EPILEPSY DEVELOPMENT

Shavalda E., Melik-Kasumov T., Batyan A., Subbota E.

Belarusian State University, Minsk, Republic of Belarus

26. MODERN TRENDS IN THE DEVELOPMENT OF RADIATION PROTECTION

Shutsikava L., Puhteeva I., Gerasimovich N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

27. IMMUNOSTIMULATION AS ONE OF WAYS OF USING MICROORGANISMS IN MEDICINE

Sinenok D., Zinchenko A.

International Sakharov Environmental Institute Belarusian State University, Minsk, Republic of Belarus

28. IMMUNOPHENOTYPIC FEATURES OF B-CELL NON-HODGKIN'S LYMPHOMS

Skrechko K., Shpadaruk K., Smolyakova R.

International Sakharov Environmental Institute Belarusian State University, Minsk, Republic of Belarus

29. IMMUNOFLUORESCENCE AS A METHOD OF ENVIRONMENTAL IMPACT ASSESSMENT ON CELL STRUCTURE

Tokarchuk E., Koktysh I.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

30. BLOOD CORTICOSTERONE LEVEL IN WHITE MICE UNDER THE INFLUENCE OF HEAT AND COLD

Yerofeyeva H.-M.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

POSTER PAPER

1. THE EPIDEMIOLOGICAL ANALYSIS OF THE INCIDENCE RATES OF THE CHILD POPULATION IN SOLIGORSK, MINSK REGION

Anisova A., Lazar I.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

2. PROGNOSIS OF PATIENTS WITH ISCHEMIC HEART DISEASE AND HYPERTENSION

Bichenkova M., Sinelyova M., Gritsai N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

3. COMPARATIVE MASS SPECTROMETRY ANALYSIS OF HbA₁ AND HbA₂ HEMOGLOBIN TETRAMERS

Bogdanova O.¹, Ruta-Zhukovskaya E.¹, Bokut S.²

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

²*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus*

4. THE FEATURES OF MALIGNANT BREAST NEOPLASMS IN THE REPUBLIC OF BELARUS

Bolotnik V., Gritsai N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

5. THE ANALYSIS OF THE DYNAMICS IN THE INCIDENCE OF RESPIRATORY DISEASES IN MINSK POPULATION WITHIN THE PERIOD OF 2006–2014

Borisevitch M., Gritsai N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

6. THE CONSTRUCTION OF RECOMBINANT POLYNUCLEOTIDE PHOSPHORYLASE PRODUCING STRAINS

Bulatovski A.¹, Rymko A.², Zinchenko A.^{1,2}

¹*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus;*

²*Institute of Microbiology, National Academy of Science, Minsk, Republic of Belarus*

7. THE MEMBRANE EFFECT OF GLUCOCORTICOID HORMONES

Drozd M., Puhteeva I.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

8. KARYOLOGICAL PECULIARITIES OF CELL POPULATIONS IN THE THYROID GLAND IN PEOPLE EXPOSED TO RADIATION

Isachenko E., Nikonovich S., Melnov S., Nadyrov E.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

9. CONSTRUCTION OF STRAINS, PRODUCING RECOMBINANT DEOXYNUCLEOSIDE KINASE, CONTAINING IN THEIR STRUCTURE CHITIN-BINDING DOMAIN

Mishura A.¹, Rymko A.², Kvach S.², Zinchenko A.^{1,2}

¹*Institute of Microbiology of the National Academy of Science of Belarus, Minsk, Republic of Belarus;*

²*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus*

10. CAUSES OF CHILD MORTALITY IN THE REPUBLIC OF BELARUS

Moyurnikava A., Porada N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

11. MASS SPECTROMETRY ANALYSIS OF MINOR GLYCOHEMOGLOBIN A_{1C}

Nabokov A.¹, Ruta-Zhukovskaya E.¹, Bokut S.²

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

²International Sakharov Environmental Institute of Belarusian State University Minsk, Republic of Belarus

12. THE GENES PREDISPOSING BREAST CANCER AMONG RESIDENT OF THE GOMEL REGION

Pavlovich A., Malinovskaya Y.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

13. MICROCIRCULATORY CHANGES IN THE OVARY OF THE FETUS OF WHITE RATS UNDER THE INFLUENCE OF RADIATION FACTOR IN EMBRYOGENESIS

Petryakova E., Supranovich D., Ablekovskaya O.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

14. SYNTHESIS AND USING OF 2-ACETYL-5,5-DIMETHYLCYCLOHEXANE-1,3-DIONE AS COMPLEXOMETRIC TITRATION INDICATOR

Rusak A., Pyrko A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

15. IMPACT OF PURINE NUCLEOTIDES ON A CONDITION OF SYSTEMS OF CYCLIC NUCLEOTIDES IN CELLS OF IMMUNE SYSTEM

Rybachenok D., Puhteeva I.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

16. DEFINITION OF THE METHEMOGLOBIN AFTER LASER RADIATION

Sadovskaya M., Batyan A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

17. ACE GENE POLYMORPHISM CONTRIBUTION TO THE DEVELOPMENT OF ONCOLOGICAL PATHOLOGIES

Semak A. N., Snytkov E. V., Gritsai N. A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

18. QUANTITATIVE CHARACTERISTICS OF T-LYMPHOCYTES IN PATIENTS WITH MULTIPLE SCLEROSIS

Semenchikova K., Gritsai N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

19. ANTIOXIDANT PROPERTIES OF CITRUS FRUITS JUICE

Tarun E., Duduk V.

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20. THE USE OF CYTOLOGICAL INDICES OF ALLIUM CEPA AS TEST OBJECTS IN ANTHROPOGENICALLY DISTURBED AREAS

Telyak A., Chertogova I., Lozinskaya O.

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21. CYTOLOGIC FEATURES BREAST CANCER AFTER RADIOTHERAPY

Videvich V., Malinovskaya Y.

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22. QUANTITATIVE ANALYSIS INDICATORS OF CHILD MORBIDITY IN BARANOVICHI

Yakubchik N., Dudinskaya R.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

23. INFLUENCE OF CHEMICAL TOCXCICANTS (ACRYLONITRILE, ACH) ON LIVING ORGANISMS

Yasinskaya E.

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24. ANALYSIS OF EPIDEMIOLOGICAL AND SOCIAL ASPECTS OF ABORTION

Yasyukevich A., Dudinskaya R.

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25. EPIDEMIOLOGICAL ANALYSIS OF THE CHILDHOOD INCIDENCE RATES OF THE PERVOMAIISKY DISTRICT OF MINSK SOME INFECTIONS DISEASES

Zayceva N., Lazar I.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

26. ESPECIALLY OF THE REGULATION OF PLATELET AGGREGATION IN PREECLAMPSIA

Zuravleva S.¹, Shubianok A.¹, Bulanava K.¹, Bakunovich A.¹, Rutkevich V.¹,
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CORRESPONDENT PARTICIPATION

1. THE INFLUENCE OF LOW-INTENSITY LASER IRRADIATION ON THE LEVEL OF GLUCOSE IN BLOOD OF HEALTHY PEOPLE

Batyan A., Zhitkevich T., Muha A.

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2. CEREBRAL PALSY IN THE CHILDREN IN SOLIGORSK DISTRICT

Chuholskiy A., Sinelyova M.

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3. THE ROLE OF AGE AND LYMPHOTROPIC INFECTION IN THE FORMATION OF EXPERIENCE BODY IMMUNE

Gusak C., Romanovskaya T.

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4. STUDY OF ANABOLIC AGENTS METABOLISM USING IN VITRO SYSTEM OF HUMAN HEPATOCYTE CELL LINE

Huliuta I., Shynhel A.

Establishment of Health National Anti-Doping Laboratory, Lesnoy, Republic of Belarus

5. DETERMINATION OF VITAN PESTICIDE TOXICITY CLASS AND PARAMETERS OF ITS TOXIC EFFECTS

Kopach N., Zhegalo T.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

6. THE STATE OF MEDICAL AND SANITARY CARE FOR THE RURAL POPULATION OF THE REPUBLIC OF BELARUS

Kuznetsova E., Sinelyova M.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

7. ANALYSIS OF THE INCIDENCE OF LARYNGEAL CANCER IN THE POPULATION OF THE REPUBLIC OF BELARUS FOR 2002–2013

Makarevitch D., Gritsai N.

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8. LASER THERAPY IN THE TREATMENT OF DIABETES MELLITUS TYPE II AND ITS COMPLICATIONS

Navitskaya T., Lemiasheuski V.

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9. IMMUNOMODULATORY ACTIVITY OF CYCLIC DIMERIC PURINE NUCLEOSIDEMONOPHOSPHATES

Pryhozhaya D., Bokut S., Surint T.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

10. ANALYSIS OF RECOMBINANT HUMAN ERYTHROPOIETIN BY LIQUID CHROMATOGRAPHY-MASS SPECTROMETRY

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11. TOXICOLOGICAL AND HYGIENIC TESTS AND HAZARD CHARACTERISTICS OF THE HERBICIDES SQUALL AND TYPHOON

Yanchenko T., Levdanskaya N.

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

Chairman: N. V. Goncharova, Associate Professor, Ph.D., Head of the UNESCO Department, ISEU BSU

Co-Chairman: V. F. Kovalev – Researcher, Department of Environmental Monitoring and Management, ISEI BSU

Secretary: A. Morozko, 5-year student, ISEI BSU

BIO-MONITORING, BIO-INDICATION, BIO-REMEDIATION

1.RESTRUCTURING OF THE BIRD RESERVE "LEBYAZHIY" UNDER ANTHROPOGENIC TRANSFORMATION

Drozdov I., Khandogiy A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

2.ANALYSIS OF SURFACE WATER QUALITY IN THE CONTEXT OF ENVIRONMENTAL LAW OF THE REPUBLIC OF BELARUS

Drozdov I., Luchina V.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

3.THE STUDY OF THE BIOLOGICAL PROPERTIES OF MELANIN PIGMENTS OF BASIDIOMYCETES IN ARTIFICIAL CULTURE

Kaluhina T., Ikonikova N.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

4.USING TRIFOLIUM REPENS AS BIOINDICATOR OF ENVIRONMENTAL QUALITY

Milevich K.¹, Lozinskaya O.²

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5.USE OF HERPETOLOGICAL DATA FOR RECONSTRUCTION OF ENVIRONMENTAL CONDITIONS

Sakharuk P., Ivanov D.

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6.TAXONOMY LIST OF HYMENOPTERA VISITORS OF COSMOS BIPINNATUS INFLORESCENCES IN BELARUS

Tsybulko D.

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7.IDENTIFYING THE DISTRIBUTION OF AIR POLLUTION DEPENDING ON THE DISTANCE FROM THE ROAD BY LICHENOINDICATION

Zhuravkov E., Kapitsa V.

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ENVIRONMENTAL MONITORING, MANAGMENT AND AUDIT

1.ENVIRONMENTAL ASPECTS MANAGEMENT IN TEXTILE INDUSTRY

Astreyko V., Kapitsa V.

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2.ASSESSMENT OF TECHNOLOGICAL LOSSES IN THE SUPPLY PROCESS GAS

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3.TRYING OF ANALYZING TERRITORIES OF PRESERVES AS AN OBJECT OF ECOLOGICAL LAW

Bondaruk R., Luchina V.

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4.THE STUDY OF WATER CONSUMPTION BY INDUSTRIAL ENTERPRISES. THE INTRODUCTION OF WATER RECYCLING SYSTEMS

Borodaeva E., Len E.

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5.ENVIRONMENTAL RISK ASSESSMENT OF THE IMPACT OF NATURAL FACTORS ON AGROECOSYSTEM

Chernyuk V., Kapitza V.

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6.ANALYSIS OF THE LARGE-TONNAGE WASTE HANDLING IN THE REPUBLIC OF BELARUS

Filippovich K., Prashko T.

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7.THE ANALYSIS OF VOLUMES OF THE FOOD INDUSTRY WASTES

Ilkevich V., Pazniak S.

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8. ANALYSIS OF ENVIRONMENTAL ASPECTS AND DETERMINATION OF THEIR IMPORTANCE IN THE BRANCH OF MTAC-3, RUE "MINSKENERGO"

Kunitsa A., Mukina K.

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9. ANALYSIS OF THE IMPACT OF ENTERPRISE JSC "KOBRYN BUTTER AND CHEESE FACTORY" ON THE ENVIRONMENT

Levchuk A., Golovaty S.

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10. LEGISLATIVE REGULATION OF HUNTING FOR EUROPEAN BISON IN REPUBLIC OF BELARUS

Liantaushchyk M., Susha A., Luchina V.

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11. COMPARATIVE ANALYSIS OF THE METHOD OF WASTEWATER TREATMENT GALVANIC PRODUCTION AT JSC "METZ V.I. KOZLOV" EXISTING CLEANING METHODS

Malyha O., Mukina K.

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12. ASSESSMENT OF SYSTEM OF WATER SUPPLY AND SANITATION RUE "NATIONAL AIRPORT "MINSK"

Morozko A., Len E.

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13. THE PROBLEM OF WASTE GENERATION AT JSC "BELARUSKALI"

Muraveika V.

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14. ANALYSIS OF ENVIRONMENTAL MANAGEMENT SYSTEM AT JSC «MINSK ELECTROTECHNICAL PLANT NAMED AFTER V.I. KOZLOV» ENTERPRISE AND COMPARATIVE ANALYSIS OF ISO 14001:2004 AND ISO 14001:2015

Pashyeva U., Mukina K.

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15. INVENTORY OF FLORA OBJECTS OF JSC "KERAMIN"

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16. METHODOLOGICAL APPROACHES OF CALCULATION OF ECOSYSTEM SERVICES

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INFORMATION SYSTEMS AND TECHNOLOGIES IN ECOLOGY

1.THE CALCULATION MESH FOR HEAT TRANSFER COMPUTER SIMULATION IN PERMAFROST GROUND

Gordiychuk V.

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2.WASTE RECYCLING AND USING IN ENERGY PURPOSES

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3.MODELING OF TEMPERATURE CHANGE DYNAMICS IN ENERGY EFFICIENCY BUILDING

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4.WIND POWER IN BELARUS – CURRENT STATE AND PROBLEMS

Maslovskaya E., Kundas S.

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5.COMPARISON OF MULTI-THREADING SIMULATION METHODS OF NON-ISOTHERMAL HEAT AND MOISTURE TRANSFER

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RADIOECOLOGY AND RADIATION SAFETY

1.MICRODOSIMETRY

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2.CONTROLLED THERMONUCLEAR FUSION

Gorskaya V., Boyarkin O.

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3.THE EFFECTS OF LOW DOSE RADIATION. RADIATION HORMESIS

Holdman E., Tyshin N.

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4.SAFETY BARRIERS IN THE PROJECT "NPP-2006"

Kavaliova V., Tushin N.

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5.ASSESSMENT OF ABSORBED DOSE FROM IONISING RADIATION USING ELECTRON PARAMAGNETIC RESONANCE

Savvin A., Khadzhinov E.

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6.PROTON AND ELECTRON ACCELERATORS IN THE TREATMENT OF ONCOLOGICAL DISEASES

Scherbovich A., Boyarkin O.

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7.INFLUENCE OF SOLAR ACTIVITY ON BETA-DECAY RATE

Shish A., Boyarkin O.

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8.X-RAY DETECTORS USED FOR SIGNAL DETECTION IN COMPUTED TOMOGRAPHY

Viarenich K., Makarevich K.

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POSTER PAPER

1.INFLUENCE OF DRAINAGE RECLAMATION ON AMPHIBIOUS OF THE PETRIKOV DISTRICT

Asipchyk M., Chernetskaya A.

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2.FEATURES OF GROWTH AND REPRODUCTION, PARTHENOGENESIS OF MARBLED CRAYFISH IN LABORATORY CONDITIONS

Asipchyk M., Zagortseva E., Golubev A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

3.HABITATS AND NESTING'S OF A WHITE STORK (CICONIA CICONIA) IN THE CONDITIONS OF THE MINSK DISTRICT

Bayok K., Chernetskaya A.

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4.PAINT POLIMORPHISM OF DOVE BLUSH IN MINSK

Handohiy I.

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5.BIOINDICATION OF POLOTSK AIR BASIN ON VEGETATIVE ORGANS OF SCOTS PINE (PÍNUS SYLVÉSTRIS)

Liantaushchyk M., Chernetskaya A.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

6.TO A QUESTION OF VALUE TERMS OF HUNTING FOR EUROPEAN BISON WITHIN HUNTING TOURISM IN REPUBLIC OF BELARUS

Liantaushchyk M., Susha A., Luchina V.

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7.AUTOMATION OF ACCOUNTING TRAININGS OF EMERGENCIES

Poplavsky I., Prybysh P., Karpei A.

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8.DIFFERENTIATION OF GULLS HABITAT CONDITIONS IN THE URBAN ENVIRONMENT OF MINSK

Sachnyouk A., Kishkurno D., Khandohiy A.

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9.PRAYING MANTID (MANTIS RELIGIOSA) IN BELARUS

Serzhantova E., Zhigalskaya A., Pinchuk E.

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10.ASSESSMENT OF ANTHROPOGENOUS INFLUENCE ON AMPHIBIOUSES OF THE MINSK DISTRICT DURING THEIR REPRODUCTION

Susha A., Mitsura D., Lopatin V., Handogiy A.

Belarusian State University, Minsk, Republic of Belarus

11.GROWTH ASTACUS ASTACUS IN EXPERIMENTAL CONDITIONS AT DIFFERENT PLANTING DENSITIES

Zagortseva E., Asipchyk M., Golubev A.

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12.REED PARAMETERS IN THICKETS OF DIFFERENT DENSITY IN NAROCH LAKE

Zhukava H., Panko A., Kryuk D.

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CORRESPONDENT PARTICIPATION

1.DEVELOPMENT OF STAFF QUALIFICATION IN THE SPHERE OF RADIATION SAFETY

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2.BASIDIOMYCETES AS INDICATORS OF THE STATE OF THE ENVIRONMENT IN MINSK

Britan E., Ryshkel O., Levdanskaya N.

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3.FAIRY TALE AS A MEANS OF ECOLOGICAL EDUCATION OF PRESCHOOL CHILDREN

Buchatskaya S., Zhuk E.

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4.PROGRAM AND RESULTS OF PROCESSING DATA ON TOTAL OZONE AMOUNT

Burya S., Borkovskiy N.

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5.INFLUENCE OF EXPOSURE HELIUM-NEON LASER AT A FRACTION OF METHEMOGLOBIN AND GLYCATED HEMOGLOBIN

Danchenko A., Lemiasheuski V.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

6.THE ESTABLISHMENT OF INFORMATION-CONSULTATIVE CENTERS IN ORDER TO ENSURE SAFE USE OF NON-WOOD FOREST RESOURCES ON THE TERRITORY CONTAMINATED BY RADIONUCLIDES

Davydova I., Vinskyi V.

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7.ANALYSIS OF ENVIRONMENTAL WASTE STATISTICS. BACKGROUND TO THE ELECTRONIC STATISTICAL REPORTING FORMS

Gavdel A., Melnov S.

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8.RETROSPECTIVE ANALYSIS OF AIR POLLUTION IN THE CITY OF MOGILEV WITHIN THE PERIOD OF 2005–2014

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9.AIR POLLUTION ASSESSMENT OF PERVOMAISKY AND PERTIZANSKY DISTRICTS OF MINSK USING LICHENS BIOINDICATORS

Hatskevich A., Ryshkel I.

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10.HORMESIS WITH THE AID OF DYNAMIC SYSTEMS

Kalmykova O.

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11.ANALYSIS OF THE REPRODUCTIVE HEALTH OF THE POPULATUION OF GRODNO REGION IN 2006–2014

Karmilitsyna A.¹, Zhyvitskaya A.¹, Arachou A.², Levdanskaya N.¹

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12.THE ROOTING ACTIVITY OF TALPA EUROPEA IN POPULATED AREAS OF PUHOVICH I REGION

Kasach Y., Handogy A.

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13.CREATION OF THE AUTOMATED WORKPLACE "DENDROEXP" ON PROCESSING OF DENDROCHRONOLOGICAL INFORMATION

Khokh A.¹, Kuzmenkov D.²

¹*International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus;*

²*Scientific and Practical Centre of the State Committee of Forensic Expertises, Minsk. Republic of Belarus*

14.RADIAL GROWTH OF SCOTS PINE ON SOILS OF INSUFFICIENT, MODERATE AND HIGH MOISTENING

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15.NEUTRON CAPTURE GAMMA RAY FIELD WITH ENERGY TO 10 MEV FROM RADIONUCLIDE FAST NEUTRON SOURCE

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16.THE INSECTS – VISITORS OF MALVA ALCEA L. IN BELARUS

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17.EVALUATION ABSORBED DOSES IN GENERATIVE ORGANS POPULATIONS OF SCOTS PINE IN NAROVLYANSKY AND FORESTRY VIETKA

Kovalev V., Zhuraukou E., Goncharova N.

International Sakharov Environmental Institute Belarusian State University, Minsk, Republic of Belarus

18. THE PROSPECTS OF INTRODUCTION OF ALTERNATIVE METHODS OF ASSESSMENT OF SAFETY OF PERFUMERY AND COSMETIC PRODUCTS IN REPUBLIC OF BELARUS

Mamayko A., Boyko M., Merkulova I.

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19. ASSESSMENT HEAT IMPACT OF THE BELARUSIAN NUCLEAR POWER PLANT ON ENVIRONMENT

Mikhailyuk M., Ivaniukovich U.

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20. ABOUT THE POSSIBILITY OF A FRAGMENTED LARGE-SCALE DECONTAMINATION OF RADIOACTIVE OBJECTS

Popkova E.

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21. COMPARATIVE ANALYSIS OF ENVIRONMENTAL POLLUTION BIOINDICATION METHODS

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22. INFLUENCE OF CEMENT INDUSTRY ON THE ENVIRONMENT

Samusik E., Golovaty S.

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23. THE FIRST DATA ON SPECIES ANTHOPHILOUS INSECTS VISITING INFLORESCENCES OF ARUNCUS VULGARIS RAFIN. IN MINSK REGION (HYMENOPTERA, APOIDEA)

Sheiko A.

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24. POLYFUNCTIONAL PHYSIOLOGICAL EFFECT OF NITRIC OXIDE IN MODERN RESEARCH

Staradynay A.

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25. INFLUENCE OF MINERAL FERTILIZERS ON HEAVY METALS ACCUMULATION IN SOILS

Talkach G., Poznyak S.

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CLIMATE CHANGE AND SUSTAINABLE DEVELOPMENT. RENEWABLE ENERGY SOURCES AND ENERGY SOURCES AND ENERGY CONSERVATION

Chairman: S. E. Golovatyi – Professor, Sc.D., Head of the Department of Environmental Monitoring and Management, ISEI BSU

Co-Chairman: V. N. Kopiza – Associate Professor, Ph.D., Department of Environmental Monitoring and Management, ISEI BSU

Secretary: A. Morozko, 5-year student, ISEI BSU

1. ENERGY EFFICIENCY OF SMALL HYDRO POWER PLANT ON WATER OUTLET OF MINSK SEWAGE TREATMENT PLANT

Artsiamchuk S., Pashynski V., Uzgorok M.

International Sakharov Environmental Institute of Belarusian State University, Minsk, Republic of Belarus

2. ENERGY EVALUATION OF OPERATION BOILER JSC «PEAT BRIQUETTE PLANT "LIDSKIJ" WITH RESEARCH OF FUEL BASED ON "PEAT-WILLOW"

Ivanova E., Pashynski V., Butko A.

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3. BARIERS OF RENEWABLE ENERGY DEPLOYMANT

Khotko A., Razumenko A., Kundas S.

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4. GREENHOUSE GAS EMISSIONS FROM THE PEATLANDS

Konkova V., Narkevich I.

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5. THE DIRECTIONS OF IMPROVING INTEGRATION POLICY IN ENVIRONMENTAL MANAGEMENT IN THE REPUBLIC OF BELARUS

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6. INTEGRATED INFORMATION SYSTEM FOR ANALYSIS OF POTENTIAL OF RENEWABLE ENERGY SOURCES

Moroz A., Chemerevskiy D., Antonova V., Tonkonogov B.

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7. ENVIRONMENTALLY FRIENDLY ELECTRIC DRIVE FOR BICYCLES AND CARTS

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8. TO THE QUESTION OF THE USE OF SOLAR ENERGY IN THE LABORATORY PRACTICE IN PHYSICS

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9. PRETREATMENT OF BIOMASS AS METHOD OF INCREASING BIOGAS OUTPUT

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POSTER PAPER

1. ECOLOGICAL AND HISTORICAL ASPECTS OF TRICHINOSIS IN GOMEL REGION

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2. CARRIAGE OF OPPORTUNISTIC BACTERIA INTO WILD WATERFOWL IN MINSK AND SMOLEVICHI DISTRICTS OF THE REPUBLIC OF BELARUS

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3. PARAZITOFAUNA OF HELMINTHS OF UNGULATE INHABITANTS OF GKPU "MINSK ZOO"

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CORRESPONDENT PARTICIPATION

1. FOREIGN AND DOMESTIC EXPERIENCE IN THE APPLICATION OF METHODS OF RADAR SENSING AND RADAR COVERAGE AREAS FIELD

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