FACULTY OF NATURAL SCIENCES

STUDENT RESEARCH LABORATORY «GREEN STEAM»

Foundation date – **29.01.2020**

Group composition – students, Master students and PhD students of the BSPU, students in general secondary education.



Research supervisor – Sologub Natalya Stanislavovna, Deputy Dean for Research of the Faculty of Nature Science.

Contacts: Department of Geography and Human Ecology, tel. (8-017) 311-22-65; e-mail: sologub.n.s@gmail.com

Research interests and areas:

- increasing of competencies of future specialists in the field Information and communication technologies;
- creating conditions for the realization of creative abilities of participants student research laboratory;
- development and implementation of STEAM classes, STEAM projects;
- development and creation of electronic learning tools.

Main research achievement. Based on the results of the research work carried out by student research laboratory Green STEAM collective developments are actively used in working with students: STEAM classes and STEAM projects.

Implementation: the research results are introduced into the educational process of the Department of Geography and Human Ecology of the Faculty of Natural Sciences of the BSPU, institutions of general secondary education (Secondary School No. 189 named after A.K. Gorovets, Minsk; State Educational Institution Secondary School No. 47 named after V.S. Michurin, Minsk; Secondary School No. 117, Minsk).



Grants and prizes. In 2020, the team of authors from the student research laboratory Green STEAM carried out the research work «Interdisciplinary Green STEAM approach as the basis for organizing environmental practices in the interests of sustainable development».

In 2021, the team of authors from the student research laboratory Green STEAM carried out the research work «Formation of competencies in the field of sustainable development among future teachers through volunteer activities (using the example of the Green Office BSPU resource center)».


Департамент образования и науки города Москвы

Государственное автономное образовательное учреждение высшего образования города Москвы «Московский городской педагогический университет»

ДИПЛОМ

ПОБЕДИТЕЛЯ I СТЕПЕНИ

Всероссийского конкурса методических STEAM-решений в образовании

Мысская Любовь Николаевна

Направление «Основное и среднее общее образование»

Председатель организационного комитета, Первый проректор ГАОУ ВО МГПУ Е.Н. Геворкян

2023

In 2022, 3rd year student Anastasia Khmyz took 1st place in the «Student of the Year» competition in the «Educational and Professional Activities» category within the framework of the BSPU Decade of Student Science.


Учреждение образования «Белорусский государственный педагогический университет имени Максима Танка»

Диплом I степени

награждаются

Сологуб Н.С., Мысская Л., Разумович В., Калечиц А., Савостиков Р.

Финалисты конкурса стендовых докладов «Межпредметные проекты для школьников»

в номинации «Лучший проект в области образования для устойчивого развития»

Проректор по научной работе А.В. Позняк

Минск, 2023

In 2022, student research laboratory Green STEAM won in the category «Best student research laboratory in the field of social, humanities and natural sciences».

At the poster presentation competition «Interdisciplinary projects for schoolchildren» within the framework of the Decade of Student Science 2023 at BSPU, the student research laboratory Green STEAM team took 1st place for the project «City as a System».

Students participating in student research laboratory Green STEAM are the winners of international competitions in 2023: All-Russian competition of methodological STEAM solutions in education (diplomas of I and II degrees), «Digital portfolio of a teacher of natural science subjects» (diplomas of I, II and III degrees).

Students research Laboratory “Sensors”



Foundation date – 11th of March, 2014.

Group composition – students, Master students and PhD students of the Department of Chemistry and Chemistry teaching methodology (Faculty of Natural Sciences, BSPU).

Research supervisor – Egorova Valentina Petrovna, Lecturer of the Department of Chemistry and Chemistry teaching methodology, PhD in Biosciences.

Contacts - Department of Chemistry and Chemistry teaching methodology. Tel. (37517) 311-22-62, email chemistry@bspu.by

Research interests and areas - Development of the high sensitivity (specific) nanosensors for analytical applications, development of the scientific and metrological support instruments for the teaching activities in Chemistry.



Main research achievements - High sensitivity (specific) electromechanical DNA-nanosensors development, these sensors are used for the single-molecule mutation analysis for early diagnostic, monitoring and prognosis of oncological diseases; Laboratory practicum highlights and “Basics of Genomic and Proteomics” book were published.

Implementation – Achieved scientific results are implemented in teaching process at the Department of Chemistry and Chemistry teaching methodology (Faculty of Natural Sciences, BSPU) and at the Department of Biophysics (Faculty of Physics, BSU).

Grants and prizes – Research grant of the Ministry of Education (Republic of Belarus) years: 2019 and 2022; research grant BRFFI (2023-2024), 1st prize at the competition “Best student research laboratory 2019” (Natural sciences).







Student research laboratory
«UNIVERSITY OF HEALTH»

Date of foundation: 01.09.2019. **Group composition**: students and undergraduates of the Faculty of Natural Sciences of BSPU.

Research supervisor: Natallia Selezneva, Senior Lecturer of the Department of Geography and Human Ecology



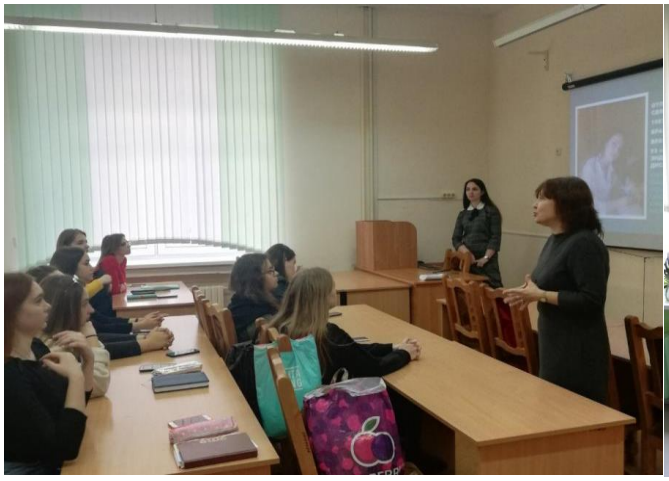
Contacts: Faculty of Natural Sciences, Department of Geography and Human Ecology, building 1, room 44, Tel (37517) 311 22 65, **E-mail: kafgeo@bspu.by**.

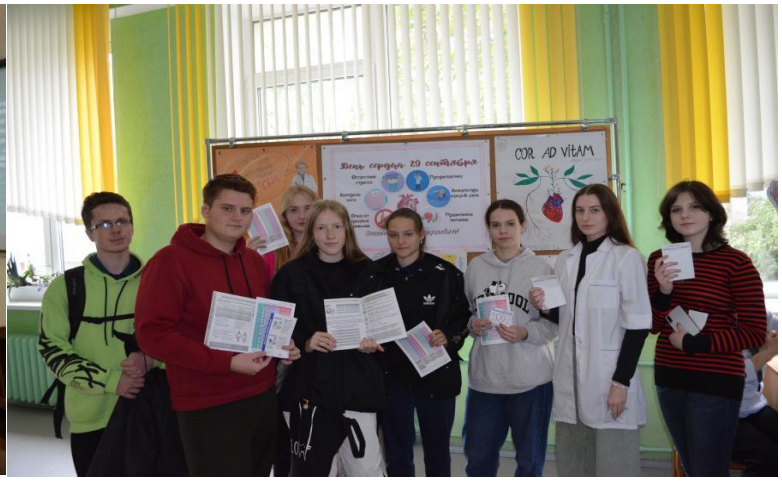
Research interests and areas: determination of effective directions for the formation of a healthy lifestyle among students in institutions of secondary, secondary special education, in BSPU. Study of the health status of students at BSPU.

The main results of the research: the scientific and methodological support of the health-saving activity of the biology teacher in the conditions of the modern educational process in the institution of general secondary education has been developed.

Implementation: summaries of biology lessons on the topic of health saving, memos for students of secondary education of teenage girls have been developed, training webinars for BSPU students have been conducted, events for Heart Day, Diabetes Day and World Health Day have been organized.

Achievements: course papers, theses and master's papers have been prepared and successfully defended. The results of the research have been published.





Students′ Research Laboratory «Phytophysiologist»

The date of creation – 25.05.2011.

Composition of the participants SRL – students of the I and II higher education levels of Faculty of Natural Sciences of BSPU.

Supervisor: Mazets Zhanna – Associate Professor of the Department of Biology and Methods of Teaching Biology**,** PhD in Biology.

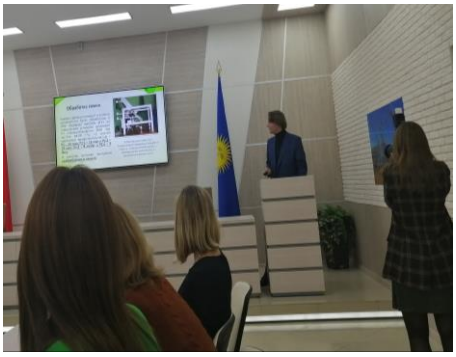
Contacts: Department of Biology and Methods of Teaching Biology, tel: +375293863943

Direction of scientific research – modern approaches to identifying the effects of physical, chemical, allelopathic and other types of influences on plants.

Main research results: methodological approaches have been developed to assess the influence of factors of various nature on the plant organism, specific reactions of agricultural and medicinal crops to various types of electromagnetic and chemical influences have been identified, optimal types of pre-sowing influence on plants have been proposed, increasing its resistance to environmental factors and productivity.

Implementation: acts of introduction into the educational process of the Department of General Biology and Botany, used during fulfillment coursework and diploma works by students of the Faculty of Natural Sciences, as well as in the State Educational Institution "Secondary School 165 of Minsk" and "State Educational Institution Gymnasium No. 61 of Minsk", used in the organization of scientific-research work with students of specialized classes (in biology and chemistry), preparation of scientific and practical conferences and during elective classes.

Achievements: participation in research work within the framework of the State Scientific Research Institute "Convergence-2020", grants from the Ministry of Education of the Republic of Belarus (Kazak E.K., Matsko D.I., 2022), internship at the Department of Biology of the Institute of Natural Science and Geography of the Kazakh National Pedagogical University named after Abai in Almaty (Kazak E.K., 2021), competition "Student of the Year BSPU" in the nomination "Research Activities" - laureate of 1st degree (Kazak E.K., 2022), at the competition "Best SNIL BSPU" ─ 2nd place (2021), 1st degree Laureate diploma in the international competition for the best scientific report in the category "Natural Sciences" in Gzhel State University (Kazak E.K., 2020).







INSTITUTE OF INCLUSIVE EDUCATION

SRL (student research laboratory) «Expanding opportunities»

Established - 12.06.2012

The composition of SRL - students of 1 - 4 courses, undergraduates of the Institute of Inclusive Education BSPU (10 people)



Scientific Director - Olga Mamononko, Associate Professor of the Department of Special Pedagogy of the Institute of Inclusive Education of the BSPU, Candidate of Pedagogical Sciences, Associate Professor

Contacts: Department of special pedagogy,
tel. (8-017) 267-92-57, e-mail: olga.mamonko.74@bk.ru

Area of scientific research - organisational characteristics of corrective and developing work with intellectually limited pre-school children.



Main research results: development and adaptation of educational material in accordance with individual needs of intellectually limited pre-school children.

Implementation: method of diagnosing the state of communication skills in pre-school children, recommendations for teachers and parents raising children with intellectual deficiency of pre-school age.





Achievements: I-II degree diplomas(Bagdasarova D.E., Goloshevskaya Y.A., 2021); certificates (Bagdasarova D.E. Prosmytskaya S.V., 2022, Yurkevich A.A. 2023); III degree diplomas (Tsykunova V.S. 2022), Diploma of BSPU (Goloshevskaya Y.A., 2020), over 30 articles published, 12 diploma works defended, 9 MA theses

Students' Research Laboratory «Inclusive teacher»

The date of creation – 08.07.2021.

Composition of the participants SRL – students of the I higher education level of Institute of Inclusive Education of BSPU.

Supervisors – Zhmachinskaya Natalya Leonidovna, Senior Lecturer, Department of Pedagogy and Psychology of Inclusive Education.

Contacts: Department of Pedagogy and Psychology of Inclusive Education, tel. (8-017) 267-92-57, e-mail: zhmach317@mail.ru.

Direction of scientific research:

- advisory support for parents and pedagogical workers who do not have special education and who implement the educational process with children with special needs of psychophysical development;
- methodological support of advisory work;
- development and accumulation of methodological resources for pedagogical workers who do not have special education and implement the educational process with children with special needs of psychophysical development in the context of diversification of their educational routes.

For reference:

As of September 15, 2021, the data bank of the Republic of Belarus contains information on 176,290 children with special needs of psychophysical development. More than 70% of students with OPFR receive special education in the context of integrated education and upbringing. More than 3,814 special groups of integrated education and upbringing have been created in institutions of preschool education, and 5,418 special classes of integrated education and upbringing have been created in institutions of general secondary education.



The development of integrated and inclusive education in the Republic of Belarus determines the need for teachers prepared to work in a multi-subject educational environment. Implementation: electronic educational and methodical complex.

Students Research Laboratory «Creative in inclusion»
(«Creative technologies in the expanding inclusive space»)

The date of creation – 06.09.2019.

Composition of the participants SRL – full-time students of 2, 3 and 4 courses, undergraduates of the Institute of Inclusive Education of BSPU (24 persons).

Supervisor – Kisialiova Alesia, Associate Professor of the Department of pedagogy and psychology of inclusive education of Institute of Inclusive Education of BSPU, PhD in Pedagogic, Associate Professor.

Contacts: Department of pedagogy and psychology of inclusive education, tel. (8-017) 267-92-57, e-mail: fcat72@mail.ru.

Direction of scientific research – specifics of implementing creative technologies in the process of teaching and upbringing children with peculiarities of psychophysical development together with normally developing children.







Main research results: developed methodical recommendations for the implementation of creative technologies in the process of teaching and upbringing children with peculiarities of psychophysical development together with normally developing children, teaching and methodical support, aimed at optimizing the implementation of creative technologies in educational institutions in expanding inclusive space.

Implementation: methodological recommendations for teachers, teaching and methodical support aimed at optimizing the implementation of creative technologies in educational institutions in an expanding inclusive space is used in the educational process of the Institute of Inclusive Education of BSPU, Children's Center for the Development of the Child № 544 of Minsk, Special school № 13 of Minsk, Secondary school № 91 of Minsk named after Jose Marti, Secondary school № 126 of Minsk.

Progress: obtaining a **diploma of the 1st degree** of the SRL "Creative in inclusion" (nomination "The best psychological and pedagogical laboratory of BSPU", 2022); **successfully completed research activities under a grant** from the Ministry of Education of the Republic of Belarus on the topic "Development of verbal speech of schoolchildren with hearing impairment by means of creative technologies" A. Yarasheuskaya, I.L. Misiyuk (scientific direction: socio-economic, spiritual and cultural development of the Republic of Belarus; contract № M22-007

dated 01.03.2022); the **1st category** was assigned to the work "Creative technologies as a means of developing the verbal speech of students with hearing impairment" by A. Yarasheuskaya at the Republican contest of scientific works of students (scientific section № 18, 2023); the **1st category** was assigned to the work of A. Kulbickaya "Methods of teaching the basics of visual literacy to schoolchildren with hearing impairment of primary school age in the lessons on the subject "Fine Art"" at the Republican contest of scientific works of students (2020); received a **diploma of the 1st degree** of A. Yarasheuskaya at the Eurasian competition of final qualifying works (2022); at the VII International Student Scientific and Practical Conference "Special Pedagogy: professional debut", a **diploma of the 2nd degree** of A. Plaksa and a **diploma of the 3rd degree** of I.L. Misiuk were obtained; at the VI International Student Scientific and Practical Conference "Special Pedagogy: professional debut", a **diploma of the 1st degree** of T. Goncharova, a **diploma of the 3rd degree** of T. Shuman were obtained, a **diploma of the 1st degree** of A. Yarasheuskaya, I.L. Misiuk; received **a diploma of the 3rd degree** of A. Yarasheuskaya, I.L. Misiuk at the Forum of Student Science at BSPU (2022); **received certificates of participants of scientific and practical conferences** (D. Akhramovich, T. Hancharova, D. Dubanevich, A. Yarasheuskaya, Y. Konovalova, A. Kulbickaya, I.L. Misiyuk, A. Plaksa, I. Pavliukovec, V. Pigaeva, M. Rabeshko, O. Rudevich, T. Shuman), etc.

SITE-CARD SRL ‘LABOUR AND DEVELOPMENT’

Established – 01.06.2015. Initial name ‘Vocational Guidance of Individuals with Special Developmental Needs’.

SRL staff – II–IV year students, undergraduates of the Institute of Inclusive Education BSPU.

Scientific Director - Shinkarenko Vladimir Anatolievich, associate professor of the Department of Special Pedagogy at the Institute of Inclusive Education BSPU, Candidate of Pedagogical Sciences, Associate Professor

Contact info: Department of Special Pedagogy, tel. (8-017) 311-23-43, e-mail: shv-54@tut.by.

Area of scientific research: study of pupils with special developmental needs with the aim of vocational guidance; substantial development of vocational work with special needs pupils; development of scientific and methodological provision for individuals with special developmental needs.

Main research results: identification of professional awareness of students with mild intellectual limitations; development of a study method for professional awareness identification for pupils with other special developmental needs; identification of possibilities in utilising the Internet for vocational guidance of pupils with intellectual limitations; development of methodological guidelines for vocational guidance of elementary school students with mild intellectual limitations.

Implementations: methodological guidelines of differing issues of vocational guidance are used in special education schools (special residential schools) with intellectually limited students.

Achievements: conference attendees diplomas: 3 I degree diploma (A.Y. Repnikova, 2020; A.A. Vostrikova, 2020; M.V. Gubskaya, 2021), 1 II degree diploma (M.A. Marchik, 19.04.2019), 2 III degree diplomas (Y.O. Shibanova, E.V. Nikonovich, A.Y. Repnikova, 2019; M.V. Gubskaya, 2022) over 60 publications, incl. 2 scientific articles in VAK catalog magazines; 3 MA theses; execution of the research project funded by the Ministry of Education, Republic of Belarus ‘Methodological Development of Vocational Guidance of Elementary School Students with Mild Intellectual Limitations’ (2020).

Student Research Laboratory

"Methodological support of correctional development work with children with speech impairments in the conditions of a modern developing educational system"

Established: September 6, 2019.

The composition of Student Research Laboratory is 2-4 year students and undergraduates of the Institute of Inclusive Education, BSPU (31 people).

The supervisor is Associate Professor, Department of Speech Therapy, Institute of Inclusive Education BSPU, candidate of pedagogical sciences, associate professor.
Contacts: Department of Speech Therapy,
tel.
Contacts: department of speech therapy, tel. (8-017) 237-02-70, e-mail: marina_bylino@rambler.ru.

Areas of scientific research - modern approaches to the diagnosis and prevention of speech disorders in children of preschool and school age, as well as the risks of speech disorders in young children; development of methodological recommendations on the organization of interaction between a speech therapist and teachers of preschool and general secondary education to overcome spoken language impairment and the prevention of written disorders in children;
development of information resources for counseling parents of children with risk factors for disturbances in speech and writing.

The main planned research results:

a catalog of modern programs and methods for the diagnosis and prevention of speech disorders in children of preschool and school age, as well as the risks of speech disorders in young children; guidelines for organizing the interaction of a speech therapist and teachers of preschool and general secondary education to overcome spoken language impairment and the prevention of written disorders in children; information resources (blogs) for counseling parents of children with risk factors for speech and writing disorders.
Achievements at the beginning of the journey:
Participation in the Republican competition of student scientific works UVO (2022): 4 works, about 7 publications; participation in conference "Special pedagogy: professional debut" (April 2023).

Students′ Research Laboratory “Hear the world”

The date of creation – 29.06.2011.

Composition of the participants SRL – students of the I and II higher education levels of Institute of Inclusive Education of BSPU.

Supervisors: Feklistova Svetlana, vice-rector for scientific work of BSPU, professor of the department of correctional and pedagogical technologies, doctor of pedagogical sciences, professor.

Contacts: Department of Correction and Development Technologies, tel. +375 44 746 31 18, e-mail: feklsv@mail.ru.






Direction of scientific research: pedagogical diagnostics of special educational needs of children with hearing impairment in the field of hearing and speech development; implementation of a differentiated approach in the process of correctional and developmental work with children with hearing impairment at the levels of preschool and general secondary education.

Main research results: scientific and methodological support of correctional and developmental work with children with cochlear implants is developed.

Implementation: video consultations for parents raising children with cochlear implants, guidelines for creating special educational conditions for children with hearing impairment, etc.

Achievements:

grants of the Ministry of Education of the Republic of Belarus (Pudovkina A., 2016; research team: Apanovich E.P., Zheleznaya D.A., Osipchuk M.V., 2016 ; Platonenko D.S., 2018; research team: Perederii A., Dyagil D., Dyagil M., Adamchik Y., 2020; research team: Lashevskaya K.V., Kulikova D.S., Filippovich V.P., 2023

competitions «The Best student’s research laboratory of BSPU»: I place (2016), II place (2018) II place (2023)

competition of research projects in the social and educational sphere: 1st place, 2023.







INSTITUTE OF PSYCHOLOGY

Students' Research Laboratory «Psychology of professional self-transmission»

Established – 01.09.2017

Team SRL–- 12 students, 2 educational psychologists, 1 master's student, 1 graduate student

Science Supervisor Pokrovskaya Svetlana Evgen'evna, Candidate of Psychological Sciences, Associate Professor of the Department of Psychology of Education and Personality Development, Institute of Psychology, BSPU.

Contacts: Department of Psychology of Education and Personality Development, Institute of Psychology, BSPU,
tel. 8 (017) 369 92 40; E-mail: kaf_opp@mail.ru



Field of scientific research*:* dentification of professional self-determination of students in the learning process.

Main results of the study:

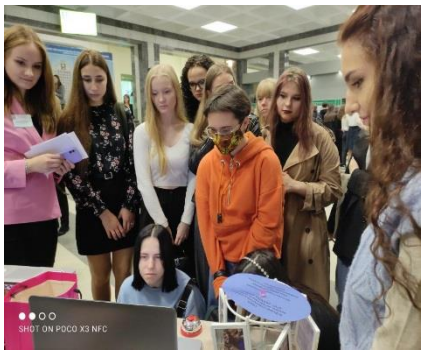
1. Comprehensive studies were conducted on the formation of knowledge and social and personal competencies in the field of psychological education and professional self-determination of students.
2. Prepared scientific reports, abstracts, scientific reports and articles of snil participants on the results of research, their approbation at student scientific, scientific-practical conferences and seminars in educational institutions; publication in collections of scientific papers, conference materials.
3. According to the results of the laboratory reports of the participants at the conferences were published 30 abstracts and articles (list of works and their texts are available at: https://ipsy.bspu.by/snil-kafedry-psihologiiobrazovaniya);



Implementation - as a result of the work in the educational process of the Department of psychology of education introduced 7 acts.

Progress: Republic of Belarus 3 scientific articles were published in journals preferred by the Higher Attestation Commission of the Republic of Belarus.







Interfaculty Student Research Laboratory «Personality focus»



The direction of scientific research **is the forming of knowledge and necessary competencies for psychological support of professional activities in education**

The creation date:
15.09.2014

Membership:
27 participants (23 students, 2 Master's Degree students, 1 Postgraduate, 1 educational psychologist)

Scientific director:
Senior lecturer, **Tereshchenko Maria Viktorovna**

Contacts:
The department of psychological support of professional activities 311-22-88
Email kaffedra@yandex.by

Students' Research Laboratory «A fold of time»
(«Psychological support for children and adolescents in difficult life situations»)

The date of creation – 12.09.2011.

Composition of the participants SRL – students, undergraduates, and graduate students of the Institute of Psychology of BSPU.

Supervisor – Puzyrevich Natalia Leonidovna, Head of the Department of Social and Family Psychology at the Institute of Psychology of BSPU, PhD in Psychology.

Contacts: Department of Social and Family Psychology, tel. (8-017) 311-23-16, e-mail: puzirevich@bspu.by.

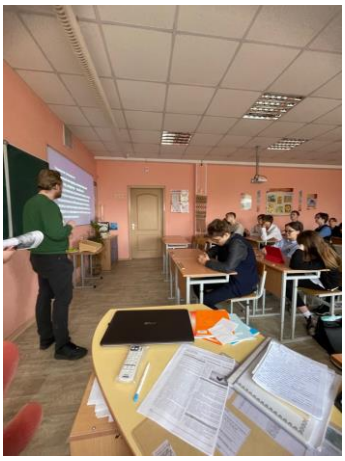
Direction of scientific research: formation of competencies in future psychologists in the field of preventing the destructive consequences of children and adolescents experiencing crisis events in their life course and the formation of a constructive time perspective in children and adolescents.

Main research results: scientific and methodological support for psychological and pedagogical support of children and adolescents in the field of formation of a constructive time perspective in the conditions of training and education in educational institutions of the Republic of Belarus has been developed.

Implementation: models for differentiating constructive and destructive experiences of children and adolescents through crisis events in their life course; methodological recommendations for psychologists, teachers and parents on the prevention of suicidal behavior in children and adolescents; methodological recommendations for parents and peers of children and adolescents on the formation of social support for constructive overcoming difficult life situations.

Achievements: diplomas and certificates based on the results of presentations at conferences and seminars; 1st place in international competitions for SNIL (Russian Federation, 2020, 2021); master's student Uglyanitsa N.V. – laureate of the XXIII Republican competition of scientific works of students of higher education institutions of the Republic of Belarus (scientific work on the topic «Strategies for overcoming crisis events in the life course of adolescents from foster families», 2017); participation in the implementation of the BRFFR grant (2017-2019); participation in the implementation of grants from the Ministry of Education of the Republic of Belarus (2019, 2022).







Students' Research Laboratory «Eureka»

The date of creation –15.09.2011

Composition of the participants SRL – students, undergraduates, and graduate students of the Institute of Psychology of BSPU.

Supervisor – Yulia Anatolyevna Poleshchuk, , PhD in Psychology., associate professor.

Contacts: Department of General and Organizational Psychology, tel. (017) 311 23 09, e-mail: koiopbspu@mail.ru

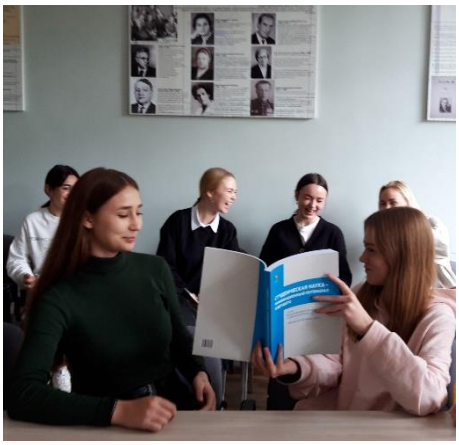
The direction of scientific research: the study of the features of professional identity and professional orientation at various stages of a person's life path.

Main research results: psychological and pedagogical support for the development of professional orientation and professional identity of a person at various stages of life has been developed.

Implementation: in order to optimize the professional self-determination of a person in adolescence, the website "Psychological characteristics of a teenager or how to choose a profession to your liking?" was created. Methodological recommendations for the development of professional orientation and professional identity have been developed for students and teachers.

Achievements: diplomas, diplomas and certificates based on the results of presentations at conferences and seminars in the Republic of Belarus and the Russian Federation; prize–winners of the International Online Scientific Olympiad "Psychology without Borders" (2021, 2023); master's student V.I.Chepikova - laureate of the Republican contest of scientific works of students (2023).





FACULTY OF PRESCHOOL EDUCATION

DISCOVERY_KIDS_FDO

Student Research Laboratory «Discovery Kids»
(«Multicultural education of preschool children»)

Founding date: 10.08.2018.

The composition of the SNIL is students and undergraduates of the Faculty of Preschool Education of the Belarusian State Pedagogical University named after Maxim Tank.

Scientific supervisor – **Evgenia Igorevna Varanetskaya-Losik**, Deputy Dean of the Faculty of Preschool Education for Research, Associate Professor of the Department of General and Preschool Pedagogy, Candidate of Pedagogical Sciences, Associate Professor.

Contacts: Department of General and Preschool Pedagogy, tel. +375 17 311-22-68, e-mail: jane_22_90@mail.ru.



The direction of scientific research is the study of the mechanisms of civil-patriotic and multicultural education of preschool children based on the use of electronic educational resources.

Main results of the research: scientific and methodological support for civil-patriotic and multicultural education of children of senior preschool age has been developed.

Introduction: didactic games, game boxes («Quest «Discover Belarus», «Gukanne Viasny», «Kupalle»), electronic educational resources (computer didactic games, interactive exercises, cartoons); videos for teachers on creating electronic educational resources.



Achievements: finalists of the All-Belarusian startup competition StartUp Heart (2021); participants of the Acceleration accelerator (2021); participants of the Science Festival (2022, 2023); E.V. Kunitskaya is a 3rd degree laureate of the BSPU “Student of the Year” competition (nomination “Research Activities”, 2022); diplomas of finalists of the 1st degree (2022) and 2nd degree (2023) in competitions of research projects in the social and educational sphere.

STUDENTS RESEARCH LABORATORY «IT–CHILDHOOD»
(«Formation of research competencies of preschool teachers in the field of application of information and communication technologies»)

SCAN ME

Date of foundation – 08.10.2018.

The consists of full–time and part-time students of the Faculty of Preschool Education of BSPU.

Scientific supervisor – Lemesh Elena Vladimirovna, senior lecturer of the Department of General and Preschool Pedagogy.

Contacts: Department of General and Preschool Pedagogy
tel. (8-017) 341-26-66 e-mail: kafdochkped_bgpu@mail.ru

The direction of scientific search is the formation of research competencies in the field of information and communication technologies (ICT) through the creation of electronic educational resources (EOR) for preschool children, the creation of educational and methodological support and its inclusion in the training of specialists of the preschool education system.

The main research results: game exercises for preschool children using matatalab developing robotic kits have been developed and introduced into the educational process of preschool education institutions.

Introduction: didactic games-exercises "Zoo", "Harvest", "Journey".

Achievements: participants of the Science Festival (2023); participants of the competition of research papers and creative projects "Year of Peace and Creation. Build the city of the future!".







Students′ Research Laboratory «Psychological health»
(«Psychological health of subjects of pedagogical interaction: a child - parents – teachers»)



The date of creation: 25.10.2018.

Composition of the participants SRL: students of the I and II higher education levels of Faculty of Preschool Education of BSPU

Supervisor: **Chesnokova Elena,** Senior Lecturer at the Department of General and Child Psychology

Contacts: Department of General and Child Psychology, tel. (8-017) 341-26-66, e-mail: chesnokova_ep@bspu.by.



Direction of scientific research: development of scientific and methodological support for the formation of psychological health of subjects of pedagogical interaction in conditions of cooperation between educational institutions and families.

Main research results: a theoretical analysis of the problem of psychological health and an empirical study of the possibilities of its formation in the conditions of cooperation between a preschool education institution and a family were carried out.

Implementation: the research results were presented at International and Republican scientific and practical conferences and seminars, workshops for teaching staff and legal representatives of children of preschool educational institutions, reflected in the mass media, publications and educational videos.



Achievements: victory in the International Competition of Research Start-up Projects in the Social and Educational Sphere, nomination “Best Project of Social Significance” (BSPU, 04/25/2018 (I. Yushkevich) and 04/22/2019 (A. Lyashkevich and A. Streltsov); 1st degree diploma in competition "Essay Parade "Myths and Reality of Modern Science" (V. Ermalinskaya) (09.09.2020); 1st degree diploma for 1st place in the competition of reports at the International Forum "Student Science - Innovative Potential of the Future" (Minsk, BSPU, 18.04.2019 (I. Yushkevich) and 04/27/2022 (Y. Yarmantovich)); victory in the Festival of educational videos “Pedagogical capabilities of information technologies” in the section “Methods and technologies of education” (A. Galyuk, A. Matveychik, 04/23/2021); I category diploma at the XXVIII Republican competition of scientific works of students (A. Galyuk, A. Matveychik, Y. Ramanovich), III category diploma at the XXIX Republican competition of scientific works of students (O. Gavrilovich, E. Martynenko, E. Kuzmitskaya, O. Petrovskaya).

Students′ Research Laboratory «Green Planet»
(«Educational practices for sustainable development in preschool education institutions»)

Date of foundation - 19.06.2017.

Composition of the participants SRL - students, undergraduates, graduate and postgraduate students of the Faculty of Preschool Education of BSPU.



Ssupervisors: Rublevskaya Elena, Associate Professor of the Department of Methods of Preschool Education, Candidate of Pedagogical Sciences.

Contacts: Department of methods of preschool education, tel. +375 17 311 22 72,
e-mail: strecha.elena@mail.ru.

Direction of scientific research: modern approaches to the formation of culture in the field of environmental protection and nature management in preschool children.

Main research results: scientific and methodological support for the formation of careful attitude to natural resources in preschool children and familiarization with the Sustainable Development Goals was developed.

Implementation: didactic games, ecological fairy tales, electronic educational resources aimed at the formation of careful attitude to natural resources; scenarios of thematic weeks aimed at familiarization with the Sustainable Development Goals.

Achievements: grants of the Ministry of Education of the Republic of Belarus (research team: S. Budko, M. Dovgan, Y. Kiselevich, K. Shushkevich. - 2019; research team: Davidyuk M., Korbut D., Leshchun A., Shilko S. 2020); Leshchun A. - laureate of the special fund of the President of the Republic of Belarus - 2019; Sueta I. - laureate of the special fund of the President of the Republic of Belarus - 2022; I place (2018), III place (2019), II place (2021) III place (2023) in the contests «The Best student's research laboratory of BSPU».







FACULTY OF PHILOLOGY

Students' Research Laboratory
«CURRENT ISSUES IN LINGUOCULTUROLOGY»

The date of creation – 05.09.2011.

Composition of the participants SRL – Belarusian, Chinese, Turkmen students of the I and II higher education levels of philological faculty of BSPU.

Supervisor: Biassonava Lyudmila Aleksandrovna, Associate Professor of the Department of linguistics and linguodidactics, PhD in Philology.

Contacts: Department of linguistics and linguodidactics, tel. (8-017)-311-22-24, e-mail: biassonava@bspu.by.

Direction of scientific research – modern linguocultural scientific directions, national linguistic picture of the world and key concepts, linguistic representation of cultural values; modern lexicology and paremiology; implementation of the linguocultural approach in teaching the Russian language, a nationally oriented model of teaching foreign citizens.

Main research results: scientific and methodological approaches to the classification of culturally marked units and phenomena significant for multicultural education; author's interpretations of key concepts in the national picture of the world have been developed.

Implementation: methodological recommendations and assignments to support the educational process in the academic disciplines "Russian as a foreign language", "Culture of speech".

Achievements: Zhang Zian (PRC) III position (2018) in the competition of researchers at the International Forum of Student Science "Student Science – Innovative Potential of the Future"; III position (2021) in the competition "Best SNIL BSPU" (in the field of social- humanities and natural sciences); I position (2022) in the V All-Russian ethnic competition of design and creative works with international participation "PANJEMA OPENING 2022").





STUDENT RESEARCH LABORATORY
«INNOVATIVE LEXICOGRAPHY»

The date of creation – 11.09.2023.

Composition of the participants SRL – students, undergraduates and postgraduates of the Faculty of Philology of the Maxim Tank Belarusian State University.

Scientific supervisor – **Pyataeva Natalia**, Professor of the Department of Linguistics and Linguodidactics, Doctor of Philology of the Russian Federation, Associate Professor.

Contacts: Department of Linguistics and Linguodidactics (building 2, office 402), phone (8-017) 311-22-24, e-mail: Pjataeva@yandex.ru

Directions of scientific search:

scientific and cognitive – the study of methodological principles and applied tasks of lexicography – one of the most relevant and promising areas of modern linguistics; the study of world, Western European, Russian and Belarusian lexicographic practice in historical and synchronous aspects;

scientific and applied – creation of an alphabetical, thematic and chronological register of dictionaries and encyclopedias included in the collections of public libraries in Minsk;

research – compilation of innovative single- and bilingual dictionaries:

– the linguocultural Belarusian-Russian dictionary "Minsk Onomasticon",

– a contrastive Russian-Chinese dictionary of basic grammatical terminology with a description of the internal form of terms,

– Russian-Belarusian / Belarusian-Russian bilingual thematic dictionary of linguistics terms,

– biographical and bibliographic dictionary on the history of linguistics,

– biographical and bibliographic encyclopedia "Three centuries of teaching about the history of the Russian literary language".



Students' Research Laboratory
"Connotation and context"

The date of creation – 23.10.2013.

Composition of the participants SRL – students and a graduate student of the Faculty of Philology of BSPU.

Supervisor: Loban Natalya, Associate Professor of the Department of Department of Linguistics and Linguodidactics, PhD in Philology, Associate Professor.

Contacts: Department of Linguistics and Linguodidactics, tel. (8-017) 311-22-24, e-mail: belar.mova@tut.by

Direction of scientific research – is a comprehensive study of lexical and phraseological means of expressing connotativeness in language and speech in the semantic-functional, lexicographic and methodological aspects.

Main research results: "Belarusian-Russian visual dictionary of unofficial microtoponyms of Minsk", "Dictionary of Belarusian benevolent and slanderous wishes"; author's methods of research of lexical and phraseological means of expressiveness expression in language and speech.

Implementation: the scientific developments of the laboratory members are being introduced into the educational process of the Department of Linguistics and Linguodidactics of the Faculty of Philology, in the process of writing textbooks and chapters for them in such disciplines as "Modern Belarusian literary language", "Belarusian language (professional vocabulary)", "Culture of speech" and others, as well as lexicographic publications of a new type.

Achievements: grants from the Ministry of Education of the Republic of Belarus (Fendich E.N., 2019; Likhtarovich P.D., 2022; research team: Petyuk D.S., Tolochko A.A., Cherenkevich D.N., 2022); the first position (2022) and the second position (2018) in the competitions «The Best student's research laborator y of BSPU» (in the field of humanities); the first position (2021) in the competition of research projects in the social and educational sphere (BSPU); the first place in the competition "Best student of BSPU" (Fendich E.N., 2018; Tolochko A.A., 2023); diplomas of II and III degrees (2015–2020) in the Republican competition of student scientific works; participation in the Republican competition "100 ideas for Belarus" (2022–2023).







STUDENTS' RESEARCH LABORATORY
« US LITERATURE »

The date of creation – 05.09.2011.

Composition of the participants SRL – students, undergraduates, postgraduates and applicants of the Faculty of Philology of the BSPU.

Supervisor: Kamarovskaya Tatyana Evgenevna, Doctor of Philology, Full professor, Full Professor of the Department of Belarusian and Foreign Literature.

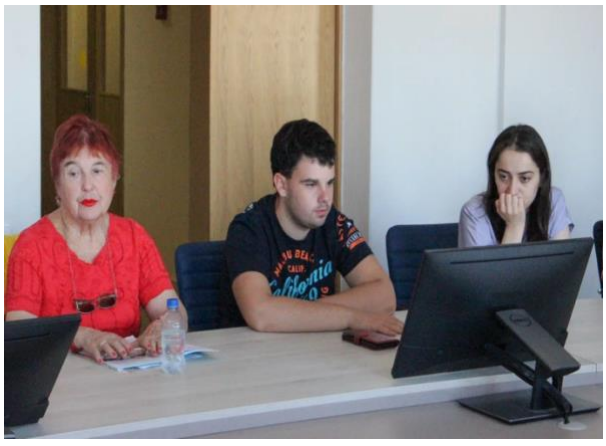
Contacts: Department of Belarusian and Foreign Literature, tel. (8-017) 327 79 14, e-mail: komar37@mail.ru.

Direction of scientific research – is to identify the spiritual and moral potential and artistic features of outstanding works of US literature, to develop skills in using various methods of literary research based on the study of the theories of M. M. Bakhtin, D. D. Fraser and other major literary critics of the twentieth century, when analyzing specific literary works representing the pinnacle achievements of American literature. To enrich and deepen students' knowledge of the modern literary process of the United States based on the study of the main trends in the development of American literature over two centuries. The study of typological correspondence of American and Belarusian literature.

Implementation: application of the acquired knowledge in the preparation by SNIL members of term papers and theses, articles, master's and PhD theses, in the preparation of reports for student scientific conferences and international scientific conferences.s in the academic disciplines "Russian as a foreign language", "Culture of speech".

Achievements: grants from the Ministry of Education of the Republic of Belarus (Artamonov G. A., Tserkovskiy A. L., Tarasova E. V.). Successfully defended candidate dissertations (Studenko T. S., Razvadovskaya N. A., Kuzmich T. V., Artamonov G. A., Povkh I. V., Nason N. A., Gnilomedova O. V., Grankina E. V., Tserkovskiy A. L., Tarasova E. V.).





Students' Research Laboratory
"Literature: the view of the young"
("Modern literary process in the reception of future teachers")

The date of creation – 05.09.2011.

Composition of the participants SRL – students of the Faculty of Philology of BSPU.

Supervisor: Zayats Natallia, Associate Professor of the Department of Belarusian and Foreign Literature, PhD in Philology, Associate Professor.

Contacts: Department of Belarusian and Foreign Literature, tel. (8-017)311-22-17, e-mail: natallia.zayats@bspu.by.

Direction of scientific research – research of acquisitions of domestic verbal art in literary and methodical aspects.

Main research results: scientific materials dedicated to the creativity of Belarusian classic writers and contemporaries are prepared; author's methods of studying literary works in institutions of general secondary and higher education are developed.

Implementation: participants' developments are used in the educational process when teaching the academic disciplines "History of Belarusian Literature", "National and World Literature".

Achievements: grants of the Ministry of Education of the Republic of Belarus (Rak M., Vashchilina V., 2016; Rak, M., 2017; Motrenko T., 2018); III place (2017) in competitions "The Best student's research laboratory of BSPU" (in the field of social and humanities sciences).









STUDENTS' RESEARCH LABORATORY
«METHODOLOGICAL SCIENCE AT SCHOOL»

The date of creation – 30.06.2022.

Composition of the participants SRL – students of the I and II higher education levels of Philology Faculty, BSPU.

Supervisor: Garanina Anna, Associate Professor of the Department of Belarusian and Foreign Literature, PhD in Pedagogy, Associate Professor.

Contacts: Department of Belarusian and Foreign Literature,
тел. (8-017, 327-7914), e-mail: rusforlit@tut.by

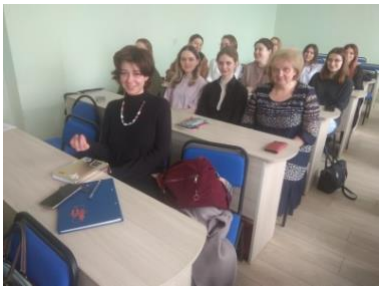
Direction of scientific research – modern approaches to teaching Russian literature in middle (5-8) and high (9-11) grades, taking into account the best methodological traditions, age and traditions of students; provide extracurricular work on literature aimed at developing the student reader's interest in a fiction book.

Main research results: scientifically based methodology for conducting lessons and extracurricular activities in Russian literature has been developed, activating the emotional, figurative and logical thinking of schoolchildren of different age groups.

Implementation: developed laboratory techniques aimed at the literary development of schoolchildren's readers, used on the basis of a branch of the department (in secondary school No. 191 in Minsk) and in other secondary school institutions in Minsk. Minsk and Minsk region.

Achievements: during the year of the laboratory's existence, students took part in the scientific conference "Topical issues of philological education in the 21st century" within the framework of the International Forum "Student Science - Innovative Potential of the Future" (based on BSPU). 4 articles have been published on the topic studied.





STUDENTS' RESEARCH LABORATORY
«CURRENT ISSUES IN LINGUOCULTUROLOGY»

The date of creation – 19.09.2020.

Composition of the participants SRL – students of the I and II higher education levels of Philology Faculty, BSPU.

Supervisor: Tarasova Elena, Phd in Philology, Associate Professor of Foreign Languages Department.

Contacts: Department of Foreign Languages, tel. (8-017) 311-22-16, e-mail: Lingva2006@bspu.by.

Direction of scientific research – research of current problems of comparative linguistics and methods of teaching foreign languages.

Main research results: research of current problems of comparative linguistics and methods of teaching foreign languages.

Implementation: Methodological project "Foreign language education as a social value: historical and pedagogical aspect" / I.O. Savenok. – Minsk, BSPU, 2022. – Reg. No. 05-10-429, approved. 14.10.2022; Methodological project "Structure and functionality of the website of the Department of Foreign Languages" / I.O. Savenok, N.A. Lazovskaya. – Minsk, BSPU, 2022. – Reg. No. 05-10-428, approved 10.14.2022.

Achievements: Zhang Zian (PRC) III position (2018) in the competition of researchers at the International Forum of Student Science "Student Science – Innovative Potential of the Future"; III position (2021) in the competition "Best SNIL BSPU" (in the field of social- humanities and natural sciences); I position (2022) in the V All-Russian ethnic competition of design and creative works with international participation "PANJEMA OPENING 2022").





FACULTY OF PHYSICS AND MATHEMATICS

Student Research Laboratory "Vector"
("Formation of creative competencies of students based on the organization of research activities")

Date of foundation – 01.09.2015.

Composition of the participants SRL – students, postgraduates and undergraduates of the Physics and Mathematics Faculty of BSPU, students of pedagogical classes.

Supervisor – Olga Nikolaevna Piryutko, Candidate of Pedagogical Sciences, Associate Professor of the Department of Mathematics and Methods of Teaching Mathematics.

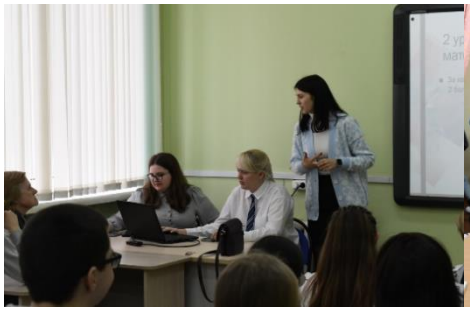
Contacts: Department of Mathematics and Methods of Teaching Mathematics, tel. (8-017) 327-78-05, e-mail: o.n.pirutka@gmail.com.

Direction of scientific research – creation of a methodological base for the implementation of competence–oriented teaching of mathematics.

Main research results: a methodological system has been developed that ensures the formation of meta-subject competencies of students when teaching math problem solving (grades 5-7), an innovative technology of educational and methodological support for distance learning in mathematics has been developed.

Implementation: textbooks "Practice-oriented tasks in mathematics" grades 5-7; an integrated textbook with tasks on complex topics of the school mathematics course for grades 10, video materials that allow students to independently master the educational material and methodological recommendations for working with the textbook for the formation of functional literacy of students.

Achievements: grants of the Ministry of Education of the Republic of Belarus (Tereshko O.A., 2015; Bondarchuk D.A., Paplevka D.V., 2022); diploma of I degree (2016), diploma of III (2017), diploma of I degree (2019), diploma of I degree (2021), diploma of III degree (2022), finalist (2023) in the competitions "The best SRL of BSPU" (in the field of physical, mathematical, psychological and pedagogical sciences); 2 diplomas of laureates and 7 diplomas of the first degree (2016-2021) in the Republican competition of scientific works of students.



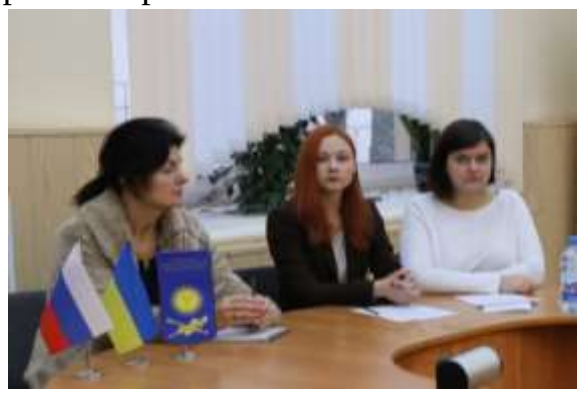


Students' Research Laboratory "Electronic University"

The date of creation –01.07.2016

Composition of the participants SRL students of the I and II higher education levels of the Faculty of Physics and Mathematics, the Faculty of Preschool Education of the Belarusian State Pedagogical University.
Supervisor – Aksana Minich, associate professor of the department of computer science and methods of teaching computer science of the Faculty of Physics and Mathematics, PhD in Pedagogic, associate professor.
Contacts: Department of Informatics and Methods of Teaching Informatics, tel. (8-017) 311-22-44, e-mail: minichoks@gmail.com
Direction of scientific research – theoretical analysis of the history, content and goals of e-learning pedagogy in the modern information society; formation of comprehensive scientific and methodological support for the use of ICT in organizing and supporting the educational process of a modern school; study of directions for improving continuous pedagogical education in the formation of professional ICT competence and information culture of teachers.
Main research results: scientific and methodological support for organizing e-learning of school subjects: history, computer science (general secondary education); in the academic discipline "Information Technologies in Education" (higher education); on topics of developmental activities for preschoolers (preschool education).
Participation in funded research projects: Skriba A.N., Ivanova S.V., Sinitsa P.V.
Implementation: educational video, an interactive map on history are introduced into the educational process of the State Educational Establishment "Secondary School 94 of Minsk", State Educational Institution "Secondary School 177 of Minsk", educational videos and teaching materials are used in teaching the academic discipline "Information Technologies in Education" ", electronic open courses for children and schoolchildren are posted on the portal "Open Courses of BSPU".





Achievements: Republican competition of scientific works of students - 2018 (Skriba A.N., 1st category); "The best Youtube channel about education" (Khomich N.K., Skriba A.N., 2019); Finalist of the festival of educational videos "Pedagogical capabilities of information technologies" (Decade of Student Science at BSPU-2022); Diploma of the 3rd degree of the XII International competition of scientific, methodological and creative works "Socialization, Upbringing, Education" (Panasevich V.V., 2022).

SNIL "8 bit"

"Digital educational resources in teaching computer science"

Date of foundation – 18.09.2017.

SNIL consists – of students and a master's student of the Faculty of Physics and Mathematics of BSPU.

The scientific supervisor is – Svetlana Leonidovna Glukhareva, senior lecturer.

Contacts: Department of Computer Science and Methods of Teaching Computer Science, tel. +375 17 311-22-45, e-mail: bspu.kaf.pm@gmail.com.

The direction of scientific search is the selection, study and justification of tools (technologies, techniques) for the development of practice–oriented scientific and methodological products in computer science for the system of general secondary education; the creation of digital educational resources in computer science using software and online services.





Main research results: scientific and methodological support (a package of digital resources, methodological recommendations for their use, scenarios of classes) in computer science for the system of general secondary education has been developed.

Introduction: digital educational resources are used in teaching computer science in Minsk institutions providing general secondary education.

Achievements: winners of the contest "The best SNIL of BSPU" in the nomination "The best SNIL in the field of natural sciences" (2018, 2019); diploma holders of the 1st degree of the city competition of professional skills "Metropolitan teacher – metropolitan education" – 2019 in the nomination "Pedagogical debut" (Sokol A.I.); prize-winners of the XXIV and XXVII Republican contest of scientific works of students (Gordeychik S.M., Larina E.V.); winners of the International Youth Startup Competition "Startup Heart" with the project "Smart Road" (2021); prize-winners of the poster competition "Interdisciplinary projects for schoolchildren" (2023).



Students′ Research Laboratory «Supremum»

The date of creation – 29.06.2011.

Composition of the participants SRL – students of the I and II higher education levels of Department of Mathematics and Mathematics Teaching Methods of BSPU.

Supervisor – Grib Nikolay, head of the Department of Mathematics and Mathematics Teaching Methods of BSPU, PhD in Mathematics.

Contacts: Department of Mathematics and Mathematics Teaching Methods, tel. (8-017) 327-87-29, e-mail: nikolay.grib@mail.ru.

Direction of scientific research – analysis of known and search for new methods of solving classical mathematical problems and problems, formulation of new problems and problems based on known ones by their modification or generalization, research of methods for solving Olympiad problems of elementary and higher mathematics.

Main research results: new results have been obtained in the field of extreme geometric problems; a system of problems has been developed for school Olympiads in mathematics, as well as for preparing schoolchildren for mathematical Olympiads.

Implementation: problems for Olympiads are used in the BSPU online Olympiad in mathematics; training courses on preparation for the Olympiad in mathematics for students of grades 6-9 are organized.





Student scientific research laboratory (SSRL)
"Didaktotron"

("Development of scientific and methodological support for practice-oriented training of physics teachers using digital tools and services")

Founding date: 10.01.2017.



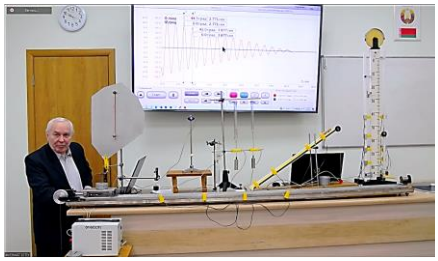
The composition of the **SSRL** is students and undergraduates of the Faculty of Physics and Mathematics of the Belarusian State Pedagogical University, students of gymnasium No. 20 (branch of the Department of Physics and MPF)

Scientific supervisor – **Zelenkevich Valery Mikhailovich**, associate professor of the department of physics and methods of teaching physics, candidate of technical sciences, associate professor;

Contacts: Department of Physics and Methods of Teaching Physics, tel. (8-017) 327-89-19, e-mail: zelenkev@gmail.com



Direction of scientific research – Formation of research competencies of a subject teacher in the field of ICT application by studying the issues of pedagogical design of digital educational materials and building an educational process in an ICT-rich environment of an educational institution (using the example of teaching physics). One of the ways to increase the efficiency of the educational process in a high-tech information and educational environment is to transfer some of the educational technologies to the information and educational space of the Internet, using new digital technologies and services that can significantly increase the efficiency of teacher-student interaction.







Achievements: grant from the Ministry of Education of the Republic of Belarus (Zelenkevich V.M., 2022-2023; SNIL team: Lisitsky P.A., Osipchik K.M., Dobrosoltseva V.I., Zelenskaya A.A., Kirilenko A. A., Klimkovich T.A., five members of the SNIL continued to engage in research work in the master's program.

FACULTY OF PRIMARY EDUCATION

Students' Research Laboratory «LINGUA ORBIS»

(«Formation of the language personality of a primary schoolpupil in bilingualism»)

Founding date: 02.11.2018.

The composition of SRL is students and undergraduates of the Faculty of Primary Education.

Scientific supervisor – Elena Vasilevskaya, Candidate of Philological Sciences, Associate Professor, Associate Professor of the Department of Belarusian and Russian Linguistics.

Contacts: Department of Belarusian and Russian Linguistics, tel. (8-017) 311-22-53; e-mail: belrusfno@yandex.by.

Direction of scientific research: research into the problem of forming a bilingual linguistic personality of a primary school student in the context of a competency-based approach.

The main research results: the competencies that make up the bilingual linguistic personality of a primary school student were determined; diagnostic software is being developed to identify the maturity of the competencies of the linguistic personality of a primary school student in conditions of bilingualism; Methodological support is being developed for the formation of competencies of the linguistic personality of a primary school student in conditions of bilingualism.

The implementation of the research results was carried out at scientific and practical conferences.

Achievements: 3rd degree diploma in the competition of research projects in the social and educational sphere (2023), 1st category work at the XXIX Republican competition of scientific works of students (2022, Krupitsa E.); 2nd degree diploma at the III International Competition of Student Research Works on Teaching Methods in Primary Schools "MODUS DOCTRINA" (2022, Krupitsa E.).









Students' Research Laboratory «Lexis»

Founding date: 08.09.2023.

The composition of SRL is students and undergraduates of the Faculty of Primary Education.

Scientific supervisor – Alexey Sidorenko, Candidate of Philological Sciences, Associate Professor, Associate Professor of the Department of Belarusian and Russian Linguistics.

Contacts: Department of Belarusian and Russian Linguistics, tel. (8-017) 311-22-53; e-mail: belrusfno@yandex.by.

Direction of scientific research: research into the problems of speech development of primary schoolchildren.

The main research results: methodological support for the formation of information competence (lexical aspect) of junior schoolchildren is being developed; diagnostic tools for studying the information competence of junior schoolchildren (lexical aspect); interactive reference resource (comprehensive electronic dictionary) for the Russian language (grades 2 – 4).

The implementation of the research results will be carried out at scientific and practical conferences.

Students' Research Laboratory "Search"

(«Education for Sustainable Development at the 1st level of general secondary education»)

Date of foundation is 11/02/2018.

The composition of SRL is students and undergraduates of the Faculty of Primary Education.

Scientific supervisor Oxana Soroka, PhD in Pedagogy, Associate Professor, Associate Professor of the Department of Pedagogy and Psychology of Primary Education.

Contacts: the Department of Pedagogy and Psychology of Primary Education, tel. (8-017) 311-22-54; e-mail: pipno@bspu.by.

The direction of the research is the studying ways to integrate the principles and purposes of sustainable development into the educational process at the 1st level of general secondary education.

The main research results: the ways of integrating the principles and purposes of sustainable development into the educational process at the 1st level of general secondary education have been justified; the experience of educational institutions in the implementation of sustainable development components at the 1st level of general secondary education have been studied; the methodological support for integrating the principles of sustainable development into the educational process at the 1st level of general secondary education is being developed.

The implementation was carried out at international scientific and practical conferences; Internet game; media festival; at the State Educational Institution "Gymnasium with the Belarusian language of instruction No. 23 in Minsk."

Achievements: certificate of participants in the online game "Our Belarus: Sustainable Development Goals - 2", media festival "Young Voices for Sustainable Development - 2019", research meet-up "STEM - approach to childhood pedagogy".







Students' Research Laboratory «Continuum»

Founding date: 09.14.2022.

The composition of SRL is students and undergraduates of the Faculty of Primary Education.

Scientific supervisor – Maria Urban, Doctor of Pedagogical Sciences, Associate Professor, Associate Professor of the Department of Natural Sciences.

Contacts: Department of Natural Sciences, tel. (8-017) 311-22-56; e-mail: kend312@mail.ru.

Direction of scientific research: research into the problem of improving educational and methodological support for primary mathematics education.

The main research results: educational and methodological support for primary mathematics education has been developed and tested.

The implementation of the research results was carried out at scientific and practical conferences, 3 articles were published in publications of the Higher Attestation Commission of the Republic of Belarus.

Achievements: participation in the competition "Best SNIL BSPU" (2023).








FACULTY OF PHYSICAL EDUCATION

Student Research Laboratory «Healthy lifestyle of the future teacher»

Supervisor: **Oleg Viktorovich Khizhevsky,** *Candidate of Pedagogical Sciences,* *Professor,* *Honored Trainer* *Republic of Belarus*	
Contacts: tel. (8-017) 311-21-98 (382) e-mail: **howz@mail.ru**	Department of Physical Education and Sports
Date of creation:	**01.09.2022.**
Composition: 	22 students (1-2 students from each faculty/institute), 6 undergraduates 
Direction scientific search	**Studying the current state of the problem of a healthy lifestyle of students and student youth and its formation**

Student Research Laboratory
"PHYSICAL EDUCATION AND SPORTS"

Supervisor: **Vadim Fedorovich Kobzev,** **Candidate of Medical Sciences, Associate Professor**	
Contacts: tel. (8-017) 311-21-97 (387) e-mail: mbofv@bspu.by	Department of Biomedical Foundations of Physical Education, Faculty of Physical Education, BSPU
Date of establishment:	22.10.2014.
Composition:	**10 students** **(2 undergraduates)** 
Direction **scientific search**	**Comprehensive analysis of physical development, physical fitness, health status and quality of life of students, students and athletes.**

BEST STUDENT RESEARCH LABORATORY BSPU 2017!

Student Research Laboratory
«Improving Physical Education future teacher»

Supervisor: **GUTKO Olga Igorevna,** Candidate of Pedagogical Sciences, Associate Professor	
Contacts: tel. (8-017) 311-21-96 (389) e-mail: o-gutko@mail.ru	Department of Theory and Methodology physical education and management in tourism
Date of establishment:	01.09.2022.
Composition:	12 students (4 undergraduates) 
Direction **scientific search**	**theoretical and methodological aspects of physical education, features of the methodology of health-improving physical culture**

FACULTY OF AESTHETIC EDUCATION

Students Research Laboratory «Dialogue of Arts»



The date of creation – 09.18.2017.

Composition of the participants SRL – students, undergraduates and graduate students of the Faculty of Aesthetic Education of the BSPU.

Scientific supervisor – Natalya Gennadievna Mazurina, associate professor of the department of theory and methods of teaching art, candidate of philological sciences, associate professor.

Contacts: Department of Theory and Methods of Teaching Art, tel. (8-017) 311-21-74, mazurynang@gmail.com.

Direction of scientific research – the dialogue between folk song and professional choral art in the creative heritage of V.I. Rogovich; methodological recommendations for the use of V.I. Rogovich's creative heritage in the educational and educational process in a multicultural educational environment.

Main research results: archival and search work was carried out for documents, photographs and audio materials about the creative heritage of V.I.Rogovich; Methodological recommendations have been developed for the use of creative heritage in the educational process in academic disciplines of art history in a multicultural educational environment.

Implementation: participation with reports in International scientific and practical conferences; testing of the choral repertoire on the theme of SNIL at the II Festival of Choral Music "Kalyadny Speu" performed by the choir of the Faculty of Aesthetic Education "Gaudeamus", director L.N. Yadlovskaya; holding a Round Table of the SNIL Faculty of Aesthetic Education within the framework of the Decade of Student Science of the BSPU.

Achievements: participation in International scientific and practical conferences; participation in the events of the Decade of Science at BSPU; participation in the Republican competition of student scientific works: Aniskevich O.N. (1st category, 2018), Bobchenok A.N. (2 category, 2018), Bogunova A.L. (2nd category, 2020), Zhang Ying (2nd category, 2020), Karachun V.N. (2nd category, 2021), Fan Zuoi (2nd category, 2022).







Student research laboratory «Karagod»

(«Problems of studying Belarusian folk art and artistic pedagogy»)

Founding date: 24.09.2021
Composition of SRL: students and undergraduates of the Faculty of Aesthetic Education BSPU



Scientific supervisor: Maria Yuryevna Priymova, senior lecturer of the Department of Artistic and Pedagogical Education

Contacts: Department of Artistic and Pedagogical Education, tel. (8-017) 327-38-10, e-mail: kafedra238@mail.ru

Direction of scientific research: studying the main trends in the development of art education and the characteristics of the professional development of a teacher-artist; study of the subject form and manufacturing technology of traditional products in the system of values of folk culture; implementation of a student-centered approach in the process of teaching arts and crafts.

The main results of the study: methodological support for master classes in the subjects of artistic training and museum classes with schoolchildren of different age groups was developed, visual teaching aids were developed for the branch of the department in special disciplines.

Implementation: educational and methodological development of lectures and master classes in subjects of artistic training, video lessons and visual teaching aids for schoolchildren of different age groups, used in the educational process; reconstruction of medieval tiles commissioned by the State Institution “Museum of the History of the City of Minsk”.







FACULTY OF SOCIAL AND PEDAGOGICAL TECHNOLOGIES

SNIL “INNOVATIVE EXPERIENCE OF A TEACHER”



Date of foundation - 24.07.2023.

SNIL consists: of students of the Faculty of History, undergraduates of the Department of Pedagogy.

Scientific supervisor: Lidiya Kozinets, Associate Professor of the Department of Pedagogy of the Faculty of Social and Pedagogical Technologies, Candidate of Pedagogical Sciences, Associate Professor.

Contacts: Department of Pedagogy,
tel. (8-017) 311-22-23, e-mail: kazinets_la@tut.by.

Directions of scientific search - mastering the tools that allow modeling the process of mastering innovative pedagogical experience from the standpoint of a competence-based approach; studying and evaluating modern innovative pedagogical experience; creating scientific and methodological developments commissioned by institutions of general secondary education.

Main research results: the innovative experience of teachers of the digital society is analyzed; information is collected for the implementation of the research project “Epoch and Teacher".

Integration: presentations of students and undergraduates with scientific reports at conferences, the use of research results in the educational process of gymnasium No. 22 in Minsk.





Progress: diploma of the III degree at the student scientific and practical conference “Conditions for successful socialization of children and youth: prospective studies of future teachers-psychologists, social educators and social workers” (O.A.Saker, 2023); presentation with an online report at the VII International Conference of students, undergraduates, postgraduates “Psychology of education of the future: from traditions to innovations”: Yaroslavl, April 25, 2023 (N.N. Asipchik, 2023).

Students′ Research Laboratory «PERSON IN EDUCATION»

(Psychological support of the person in education)





The date of creation – 26.11.2015

Composition of the participants SRL – students of the I and II higher education levels of Faculty of Social and Pedagogical Technologies of BSPU

Supervisor – Tatyana Gormoza, Associate Professor of the Department of Age and Pedagogical Psychology, PhD in Psychology, Associate Professor

Contacts: Department of Age and Pedagogical Psychology, tel. (8-017) 311-22-28, e-mail: kav-egeiped1993@tut.by.

Main research results: developed scientific and methodical support of directions and technologies of psychological

Implementation: Gymnasium No. 12 of Minsk

Achievements: XXIX Republican competitions of scientific works of students of higher education institutions of the Republic of Belarus (2021-2023): *I degree diplomas*: D.A.Orlova; *II degree diplomas*: E.I. Lobik, V.S.Myronyuk, I.V.Shurkhovetskaya; *III degree diplomas*: A.A. Lukina, P.O. Cherednik, M.I. Chechko. Diplomas of the XX Republican Scientific and Practical Conference of Young Scientists and Students “Engineering and Pedagogical Education in the 21st Century”, Minsk November 25, 2022 (6 reports: A.A.Zborovskaya, E.M.Kalachik, A.A.Krivaltsevich, D.A.Lovgach, D.S.Ordevich, O.V.Sevruk).

Students′ Research Laboratory "PERSPECTIVE"

(Research of directions and technologies of social work with various population groups)





The date of creation – 01.09.2020

Composition of the participants SRL – students of the I and II higher education levels of Faculty of Social and Pedagogical Technologies of BSPU

Supervisor – Anna Ostrovskaya, Associate Professor of the Department of Social Work, PhD in Pedagogy, Associate Professor

Contacts: Department of Social Work, tel.. (8-017) 311-22-25, e-mail: ostrovskayaa.a@mail.ru.

Stage 4 (2023-2024): "Formation of a participatory culture of social work specialists within the framework of the 3+ educational standard"

Main research results: scientific and methodological support for directions and technologies of social work with various population groups has been developed

Implementation: Gymnasium No. 12 of Minsk, Social-pedagogical center with shelter of the Frunzensky district of Minsk, Social-pedagogical center of the Moskovsky district of Minsk

Achievements: Republican competition of scientific works of students of higher education institutions of the Republic of Belarus (2021-2023): First degree diplomas K. Sapogova, D. Shchepetkin; Second degree diplomas: V. Rykhlitskaya, O. Metelskaya, O. Petkevich, E. Portyanko, E. Sachivko; Certificate of honor from the Minsk City Council of Deputies of the 2021 graduate of SRL D.S. Shchepetkina, as the best young specialist in social protection institutions; II degree diploma at the Competition of Research Projects in the Social and Educational Sphere, BSPU, 2021; Team III place at the Olympiad with international participation "Social Innovation",2021.

SNIL "Know yourself"
(socio-psychological studies of the interaction of young people, building effective personal and business relationships)

The date of foundation is September 1, 2023.

The SNIL consists of students and undergraduates of the Faculty of Social and Pedagogical Technologies of BSPU.



Scientific supervisor — Bashkirova Yulia Vladimirovna, senior lecturer of the Department of Age and Pedagogical Psychology of the Faculty of Social and Pedagogical Technologies.

Contacts: Faculty of Social and Pedagogical Technologies, 375 (17) 311-22-25, 311-22-26, e-mail: fspt@bspu.by .

The direction of scientific research is the formation of conditions for successful interaction of young people, the construction of effective personal and business (professional) ties.

Expected result: As a result of classes in the SNIL "Know yourself", the student will:

be able to:

• analyze the socio-psychological properties of the individual;
• predict behavior in difficult psychological situations;
• establish a communicative contact;
• apply self-regulation techniques;
• build effective relationships;
• conduct scientific research on the issues of interest and test it.





To know:

• fundamentals of the psychology of gender relations in the interpersonal and business spheres;
• methods of establishing communicative contact and rules of effective communication;
• the procedure for resolving conflict situations;
• self-regulation techniques;
• techniques for building and maintaining effective relationships.

The Student Research Laboratory of the Department of Social Pedagogy
"The NEXT Generation"
("The strategies and models of socialization of youth of the 21st Century")



The creation date is 12.09.2011.

Staff of the Student Research Laboratory includes 2 master's students and 18 students.

The scientific supervisors of Student Research Laboratory are Anna Vladimirovna Pishchova, Candidate of Pedagogical Sciences, Associate Professor of the Department of Social Pedagogy, and Elena Konstantinovna Pogodina, Senior Lecturer of the Department of Social Pedagogy.

Contacts: tel.: + 375(17) 311-22-30, E-mail: cafsp@bspu.by, groups Viber; Telegram.



The directions of scientific research are:

– justification and development of social and pedagogical technologies for the formation of social competencies of students;

– social and pedagogical support for digital socialization of students;

– socio-pedagogical diagnostics, prevention and correction of digital deviations.

The main results of the work of the Student Research Laboratory are scientific and methodological support for social and pedagogical support of digital socialization of students, prevention of digital deviations of students.

The implementation are a system of social and pedagogical projects to support the digital socialization of students and the prevention of digital deviations of students.

The achievements are:

- 2016 – the research work "The role of Internet technologies in self-education and self-development of a student's personality in the conditions of the information society" which was supported by Grant of the Ministry of Education of the Republic of Belarus at 2016;
- 2015–2017 – scholarship holders of the special fund of the President of the Republic of Belarus for social support of gifted students (A. Vorontsov, D. Urbanovich, N. Sivakova);
- 2016 –the winner of the 1st round of the competition "Best SNIL BSPU" in the nomination "Best SNIL in the field of psychological and pedagogical sciences";
- 2016 – the Chairman of the Student Research Laboratory A. Vorontsov was the winner of the BSPU competition "Student of the Year – 2016" in the category "Research Activities";
- 2021 – the 2nd place in the competition "Best the Student Research Laboratory of the Belarussin State Pedagogical University" in the nomination "Best the Student Research Laboratory in the field of psychological and pedagogical sciences";
- 2021 – the Chairman of the the Student Research Laboratory T. Shinkevich was the laureate of the XXVIII Republican competition of scientific works of students;
- 2022 – T. Maksimova - laureate of the XXIX Republican competition of scientific works of students;
- 2023 – participation in the implementation of research work "Develop scientific and methodological support for social and pedagogical activities to prevent bullying in the educational environment" (Ministry of Education of the Republic of Belarus);
- 2023 – winner of the competition "Best the Student Research Laboratory of the Belarussin State Pedagogical University";
- 2023 – the Chairman of the Student Research Laboratory L. Loiko was the winner of 1st degree diploma for the best scientific report;
- 2023 – Deputy Chairman of the Student Research Laboratory D.Bogutskaya was the winner of 2nd place in the Belarussin State Pedagogical University competition "Student of the Year – 2023" in the "Research Activities" nomination.











Students Research Laboratory «Interdisciplinary projects in education" ("Synthesis")

Founding date 09.14.2021

Composition of the participants SRL is master's degree students from the department of pedagogy, students from the faculties of natural science, physics and mathematics, and philology.

Scientific supervisor – Svetlana Nikolaevna Sirenko, head. Department of Pedagogy, Faculty of Social and Pedagogical Technologies, BSPU, Candidate of Pedagogical Sciences, Associate Professor.

Contacts: Department of Pedagogy BSPU, tel.: (017) 311 22 23, e-mail: kafped@bspu.by.

Directions of scientific research: modeling processes in complex systems based on the principles of synergetics as a means of understanding and visualizing them; students developing research projects for schoolchildren based on the ideas and principles of sustainable development; innovative forms, methods and technologies in education; creation of educational and business innovations based on design thinking technology.

The main results of the research: inclusion of secondary school students in interdisciplinary design and research activities; participation in innovative educational projects.

Implementation: methodology for developing health-saving behavior in schoolchildren based on the use of digital technologies; a model for creating a developing educational environment in a general secondary education institution based on the STEM approach.

Achievements: Diplomas of I and III degrees at the XXIX Republican competition of scientific works of students of higher education institutions of the Republic of Belarus (L.M. Rybchinskaya, T.A. Krapinevich), 2022 A.R. Garkina with the project "On the way to a smart school" - finalist of the republican competition of innovative projects "100 ideas for Belarus", 2022. Diplomas of I, II, III degrees of the International Student Distance Olympiad "Pedagogical Digital Science" (A.R. Garkina, M.V. Gapeeva, M.S.Kotovich, P.A.Bartosh).







International Research Laboratory

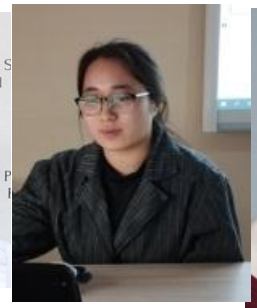
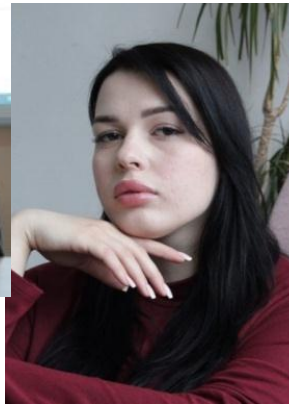
«The Family of XXIst Century: Belarus-China-Russia»



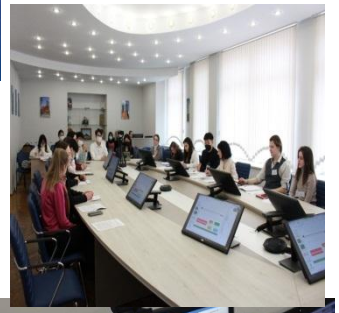



Supervisor: Alla Rousetskaya , associate professor, BSPU, Belarus

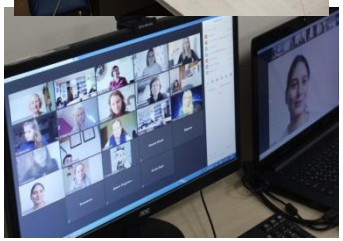
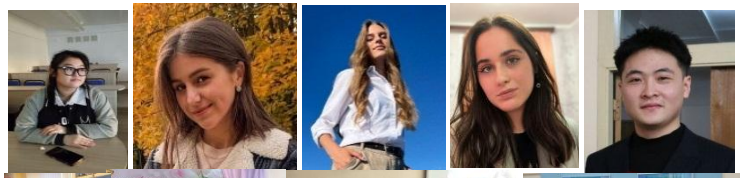
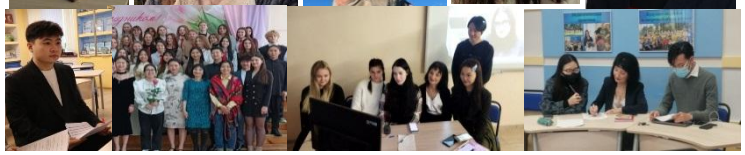
Co-supervisor: Marina Kalinina, associate professor, RyazSMU, Russia.

Chairman
Maria Kavcevich, Belarus



Co-chairmen : Li Jiao, China
Samandar Hudaynazarov, Russia

Basis:

Rector's order БГПУ №178 от 10.12.2020

Comprehensive research in the field of multicultural experience of family life curried out by the students of pedagogical and medical specialties from the Republic of Belarus, the People's Republic of China and the Russian Federation

FACULTY OF HISTORY

Students' Research Laboratory "Clio"



Date of creation: September 1, 2017.

Motto: Dictum est factum!

Composition of the participants SRL: students, undergraduates and postgraduates of the Historical Faculty of BSPU.

Scientific supervisor – Alexander Korzyuk, Ph.D. in Pedagogy, Associate Professor, Associate Professor of the Department of General History and Methods of Teaching History.

Contacts: Department of General History and Methods of Teaching History, room 55, academic building No. 1, tel. 8017-311-22-86, e-mail: vseo@bspu.by.



Direction of scientific research: the formation of professional and research competencies in the field of school historical and social studies education, excursion, local history and museum activities.

Main research results: excursion routes in Belarus and didactic and methodological support for their implementation have been developed and tested.

Implementation: technological maps and control texts of excursions, sets of cases and scenarios of quests are used in the educational process at the Historical Faculty and secondary schools.



Achievements: I place (2021) in the competition "The best student's research laboratory of BSPU" (in the field of social, humanitarian and natural sciences).



Students Research Laboratory «Rubicon»

Founding date: 06/19/2015

The composition of the SNIL is made up of students from the Faculty of History of the Belarusian State Pedagogical University.

Scientific supervisors – Sergey Petrovich Shuplyak, Associate Professor of the Department of General History and Methods of Teaching History

Contacts: Department of General History and Methods of Teaching History, +375 17 3112286

The direction of scientific research is the formation of knowledge and competencies in the field of historical knowledge and modern information technologies

Main research results: development of the website “Gistarychnaya Dapamoga” (https://gisdapamoga.bspu.by/), chat bot “Glossary on the history of primitive society and civilizations of the Ancient East” (@hist_bspu_bot)

Implementation: introduction of the chatbot “Glossary on the history of primitive society and civilizations of the Ancient East” into the educational process

Achievements: developed by the head of Rubicon S.P. Shuplyak and members of the SNIL, the startup "People's Textbook" became the winner of innovative projects of the BSPU competition in 2016; developed by Rubicon member A.V. Plygavko’s project “Gistarychnaya Dapamoga” became the winner in the BSPU project competition in 2017; at the competition "Best SNIL BSPU" laboratory "Rubicon" became the winner in the nomination "Best SNIL in the field of social sciences and humanities" in 2018.







Student's Research Laboratory "HERITAGE"

The date of creation – 15.12.2016.

Composition of the SRL participants – students and master students of the Faculties of History of BSPU and ENU (Astana).

Supervisor: Alexander Ratsko, PhD in History, Associate Professor.

Contacts: Department of History and Slavic Nations, tel. +375173112282, e-mail: alratsko@gmail.com.

Direction of scientific research – formation of knowledge and competencies in the field of studying domestic history and culture.

Main research results: a database of Kazakhstani partisans who fought in the territory of Belarus in the years of Great Patriotic War is created.

Implementation: a series of publications on the problem of nations' feat in the battle against fascism and genocide of the Belarusian people in the years of the Great Patriotic War used in the teaching process in studying the discipline "History of Belarusian Statehood".

Achievements: grant of the Ministry of the Republic of Belarus for performing scientific research on the topic "Evolution of noble-landlord economy in Belarus (1861-1914)" (2018); participation of SRL's Chairman A. Novikova in performing research work on SPSR "Natives of Kazakhstan in the partisan movement of Belarus during the Great Patriotic War (1941-1944)"; participation of the SRL's members in creating an informational Internet-portal "Partisans of Belarus" (link of the electronic resource – partizany.by); the 1st place (2017; 2019) in contests "The best SRL of BSPU" (in the sphere of social and humanitarian disciplines).



