

CONTENT

BIOLOGICAL sciences

Bodjakovskaja E.A., Scherbin V.V. The quality of water from Mozyr region wells 3

Summary

The results of well water quality indexes definition in some Mozyr region populated areas are given in the article. All water quality chemical indexes, except for the contents of the iron, correspond to water quality sanitary-hygiene demands to noncentralized drinking water supply springs of population. The level of iron in drinking water taken in the village of Kamenka, was 1,2 times higher than it's demanded according to the norm.

Busko E.G. Methodological approaches to the economic valuation of ecosystem services 9

Summary

The main methodological approaches of economic valuation of ecosystem services are realized. Advantages and disadvantages are investigated. The economic valuation of ecosystem services can be used in the formation and decision-making for environmental management. There are suggested ways of improving the methodological approaches to economic valuation of ecosystem services in the article. The examples of the implementation mechanisms of the economic evaluation and compensation for ecosystem services are considered.

Degtjareva E.I., Doinjak E.I. Evaluation of physical development of Gomel region students 17

Summary

The results of cardiovascular and respiratory systems research as well as weight and height parameters of students of Gomel region are introduced in the article. The work under consideration shows that hemodynamic and anthropometric parameters of the majority of students surveyed are found within the physiological rate. However, there are students in all age groups whose physiological and physical development parameters deviate from the rate.

Krischuk I.A., Gajduchenko E.S. Species diversity of small mammals in floodplain ecosystems of Belarusian Polesye 25

Summary

On the basis of Belarus Polesye floodplain ecosystem ecological fauna research carried out, the analysis of small mammals number and species variety is introduced. There have been worked 950 snare-24hours and caught 256 small mammals of 10 species during the research. Background species of floodplain ecosystems are: *Myodes glareolis*, *Sorex araneus*, *Apodemus agrarius*.

Mizuj S.M., Pekhota A.P., Maksimovich J.V. The incidence of seedlings diseases in the Drogichin region Yuzefinsky forest area tree nursery 32

Summary

In a group of infectious diseases in the forest nursery the diseases of spot (66,7 and 33,3%), rust (43,3 and 21,7%) and strain (41,7 and 20,8%) are characterized by the highest prevalence and intensity of intensity of developing. Maple holly (*Acer platanoides*) and small-leaved lime (*Tilia cordata*) are characterized by the greatest resistance to the agents. Mountain ash (*Sorbus aucuparia*) and English oak (*Quercus robur*).

Pozyvajlo O.P., Kotovich I.V., Zajcev S.J. Dynamics of some indicators of prooxidant and antioxidant hemis system typical for fresh cows during lactation period	39
---	-----------

Summary

The data of black-and-white first cow heifers prooxidant and antioxidant status during the initial and final period of lactation are examined. Against the imbalance between iron, copper and cobalt content in cows' blood low activity of first cow heifers organism's antioxidant system is determined.

PEDAGOGICAL sciences

Astrejko E.S., Astrejko N.S., Vojnova J.A. External and internal determinants of students' cultural identity in case of continuous physical education	44
--	-----------

Summary

Determination conditional form or condition determination is to determine separate role of external and internal factors while functioning of the material system. In the process of a cultural personality development in the system of continuing physical education external factors may include: organization focused process of personality position formation, of a student; the influence of the environment, etc. The internal factors include the formation of the basic culture of the individual, student activity in the educational process, the formation of the student holistic picture of the world, the formation of scientific outlook, etc.

Bolbas G.V. Sources of evolution of the nature-aligned approach to character building in pedagogical ideas of Belarus in the XVI-XVII centuries	51
--	-----------

Summary

The article reveals the ideological and theoretical sources of nature-congruity education principle genesis. The extent and characteristics of their influence on the development of the phenomenon in educational thought and enlightenment Belarus in XVI–XVII centuries.

Gorovoj V.A., Objectivation of the effectiveness of using forms and means of physical recreation by university students	56
--	-----------

Summary

In the article the problem of grounding of forms and means of higher education institutions students' physical recreation efficiency use is under consideration. The results of the correlation analysis between components of students' physical recreation, physical readiness indicators and physical health level are introduced. The interrelation degree between these indicators is defined.

Dedkovskaja E.G. Safe-keeping and hygiene of music teacher's singing voice...	63
--	-----------

Summary

Vocal function disorders may appear due to the quantitative and qualitative voice abuse. The observance of the hygiene and voice safety rules helps to preserve the operability of the vocal apparatus for long.

Dubrovskaja A.V. Evaluating of the effectiveness of the students' moral culture	70
--	-----------

Summary

The problem of moral formation of a person's culture is relevant and meaningful, as it plays an important role in the lives of every individual and society as a whole. The article presents the results of study of the problem of formation of moral culture students. The effectiveness of the pedagogical project is assessed. The aims and values of the transformed activities from the position of cultural and cultural and activity approach are outlined.

Kachalko V.B. Exploratory research technology of completing training tasks at the elementary level 79

Summary

In this article we prove the possibility and usefulness of search and research technology in teaching mathematics at primary school through solving educational problems. We offer to teach primary school children to carry out small research tasks with the use of heuristic techniques, tips, plans search and test monitoring but not only by independent search tasks instead of material explanation and solving problems with exercise training. This becomes relevant and possible because of the forthcoming introduction of computer-tablets in primary school.

Kosjachenko G.P. Formation of the free-style wrestling coach professional activity 87

Summary

The article represents a model and functions of the professional activity of the coach in Free Style Wrestling and Modeling of educational process at a high school. Preparation of conceptional reports and fulfilling informational and analytical references etc. are used. Among kinds of work being used in specialists' training at a high school and providing development the student's position.

Narskin A.G., Blotskij A. S. Dynamics of indicators of highly skilled rowers' functional training during the annual cycle of training 92

Summary

Features of the dynamics of the functional readiness of the highly skilled oarsmen on kayaks, members of the National team of the Republic of Belarus in an annual macrocycle are considered in the article. On the basis of these ergo-spirometry researches concrete values of the studied indicators in four mesocycles are defined: the general-preparatory, special preparatory, first and second competitive.

Starovojtova E.L. Future teachers of mathematics training to ensure motivation of students' learning activity as a methodological problem

Summary

The article deals with the problems of perfection of teaching methods training of future mathematics teachers connected with the solution of the problem of forming students' motivation to study. The author presents two units of questions on the problem of study motivation as the basis of teaching methods training: psychological-pedagogical aspect of the problem of study motivation and practical training of the students for the formation of subject motivation (motivation of studying mathematics). The main courses, methods and means of the formation of teacher's motivation in the mathematics classes are revealed.

Chikindina T.P. Student' value-conscious attitude to educational activity: diagnostic aspect

Summary

The article examines a complex of diagnostic means which estimate how well students that undergo teacher training recognize the value of educational practices. The criteria and indicators of various aspects of this recognition are highlighted, along with the diagnostic results.

Schur L.M. Philosopho-psychological determinants of student-centered approach to education

Summary

The article illustrates the problem of interpretation of personal-oriented approach in the field of modern psychological and educational science. There is a question of balance between interests of society and individual considered. Interrelationship between philosophical and psychological aspects is presented by the personal-oriented approach in education. Author maintains the fact of establishment and development of humane-personal pedagogy which considered person not as a passive object, but the subject of activities, relations and interactions.

PHILOLOGICAL sciences

Zhudro A.V. Situational aspects of the sentences expressing the meaning of creation and destruction in English 113

Summary

In this article an attempt is made to describe the sentences of creation and destruction by pointing out their likenesses and differences. The situations of physical creation and destruction have more in common than it is generally assumed; the same set of participants, their vectorial character, the fact, that they are often organized around the same set of verbs. Observing the lexical representation of the participants of these sentences gives a chance to trace the changes in the verbs meanings and the sentences situational references.

Zybleva D.V., Puzan L.V. Interjections in the aspect of the general theory of speech 118

Summary

The article proposes one of the approaches to the studying of interjections from the perspective of communicative linguistics. Interjections are considered as a socially important words isolated in a stream of speech and understood by the communicants. Having no subject and logical value, interjections have communicative meaning associated with the manifestation of emotional and evaluative or emotional and motivating reaction of the communicants in the particular speech situation. Within the situational and psychological context interjections can act as a nominee of the nonsegmented situational nominations having a microsituation as its referent.

Ioskevich M.M. Axiological choice of values in the pieces of works written during the turning points of the history 122

Summary

The aim of the article is to give a comparative analysis of the problem of a valuable choice in two literary works: E. Bronte's «Wuthering Heights» and I. Melezh's «The Poleskaya Chronicle». These novels, belonging to different literary movements, romanticism and realism, find their own ways in solving the problem of a valuable choice.

Kolesnikova A. A. Family conception in the linguistic worldimage of the Byelorussians: the development and functioning 127

Summary

This article investigates the peculiarities of the concept of «family» in the linguistic world of the Belarusians. On the basis of the material of different types of lexicographical sources and journalistic contexts in which the concept of the «family» is objectified, the author traces the evolution of this key social concept through the «big family – three-generation family – nuclear family», which reflects the difference between the archaic and the modern worldviews.

Korbut G. S. Emotive narrative units with a meaning of active negative emotions in literary and cinematic works 132

Summary

The role of the emotive story units (ESU) in the representation of the verbal behavior of the hero-subject of the active negative emotions in literary works (play, scripts) and the cinematic corresponding to them is revealed in the article. Specific emotive plot units (EPU) are pointed out, their types and functional role in the narrative depending on the range of heroes are characterized. Minimum of emotive speech acts while feeling negative emotions is shown whereas the priority of listener-oriented intentions is proved. Basic types of transferring of emotional information from one type of the narrative to another are pointed out.

<i>Koshman P. R. Spati-temporal model of the image of Radzivil in Belarusian literature of the first half of the XIX the century</i>	138
---	-----

Summary

The spatial temporal characteristics of the motherland image are considered in the context of the problem of mental unity of authors of literature of Belarus of the 19th century of XIX century Belarus. Their independence from the patriotic spirits of the society of that time and social status of the hero are traced.

<i>Sidirets B. S. Предпринимать, вдаватися (до), распачынаць: functionally-derivational similarities and differences</i>	143
---	-----

Summary

The semantic structure, functional-derivational specific of desemanticed east-slavonic verbs *предпринимать, вдаватися (до), распачынаць* and its replacers in the text are investigated.

<i>Shevtsova A. K. Speech cliches typical for panel discussion</i>	149
---	-----

Summary

The article deals with the most frequently used clichés in Belarusian and British radio discussions. The author tries to demonstrate the independence of the radio discussion as a separate genre in the genre system of media discourse through the analysis of typical speech stereotypes used by radio discussion participants. The clichés under research are divided into framing used in the majority of the radio programs, and situational. The author focuses attention on common and different ways of the clichés' usage in analogous situations in two languages and on the analysis of synonymous cliché-phrases in Belarusian and English.