

Регистрационные данные:

Scientific research of the SCO countries: synergy and integration

October, 14. Part 2

Поле	Значение
Объект №1	
Заголовок	PERFECTION OF TOOLS FOR ECONOMIC SUSTAINABILITY OF SERVICE ORGANIZATIONS IN AN INNOVATIVE ECONOMY
Аннотация	The article presents the tools of economic sustainability of service industry organizations by highlighting the basic principles, stages and indicators in the context of the intensity of innovation.
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Объект №2	

Заголовок	HUMAN RESOURCE MANAGEMENT IN THE CONDITIONS OF "GREEN" ECONOMIC GROWTH
Аннотация	<p>The article examines the issues of human resource management, which are a determining factor in increasing the competitiveness of enterprises, economic growth and the efficiency of the economy as a whole. The development of theoretical and methodological problems of human resource management remains complex and insufficiently studied. Most of the available sources discuss organization management theories, which highlight the role of staff in achieving organizational goals. Issues of the practical application of the postulates of theories of human resource management are little reflected in the literature. Currently existing scientific works reveal only areas of activity in the field of personnel management. Therefore, the urgency of the problem is to determine the most effective ways of their influence on increasing the competitiveness of enterprises and the country as a whole on the basis of a study of trends in the development of human resources in the context of green economy growth.</p>
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Объект №3	
Заголовок	SUKUK-ISLAMIC ANALOGUE OF TRADITIONAL BONDS: SPECIFICS AND PROSPECTS OF DEVELOPMENT
Аннотация	The main purpose of the article is to analyze the current state of the financial market of Islamic countries from the point of view of the effectiveness of financing of economic entities. The author pays special attention to such financial instrument as sukuk. This financial instrument is widely known in the countries of the Islamic world and the European banking community.
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Объект №4

Заголовок	IMPLEMENTATION OF THE ADMINISTRATIVE AND LEGAL MECHANISM FOR ENSURING ECONOMIC SECURITY WITHIN THE FRAMEWORK OF RUSSIAN-CHINESE COOPERATION
Аннотация	The article concerns the application of the mechanism of ensuring economic security on the example of the SIBER Holding of the State Corporation Rostec in the light of the expansion of RussianChinese cooperation.
Автор 1	Kapysh, V.P.
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Объект №5

Заголовок	COMPARATIVE ANALYSIS OF THE USE OF THE CONCEPT «EDUCATIONAL TECHNOLOGY» AS APPLIED TO THE HIGHER SCHOOL OF RUSSIA AND CHINA
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Аннотация	<p>The government of many developed countries is aware of the importance of the process of modernization of the higher education system as the main driving force for its development in various fields and the ability to become a leader in providing highly qualified specialists in the global educational services market. As a result, close attention is paid to the technological approach, and the technologization of higher education is becoming an integral attribute of improving the educational process, a guarantor of its progressiveness and productivity. As the study shows, today both in Russia and in China there is a largescale search for new ways and methods of technological development of the educational process. At the same time, there are both similar and distinctive points in the modernization of education in these countries. A comparative analysis conducted in this area is aimed at enriching the higher education systems of these countries, and at searching for optimal models for its further development.</p>
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Объект №6

Заголовок	FEATURES OF ROBOTIC EDUCATIONAL TECHNOLOGIES APPLICATION IN TECHNICAL UNIVERSITY
Аннотация	The use of robotic educational technologies allows us to organize creative and research work of students at the university, creates the conditions for the application of knowledge, skills and external resources in solving realworld problems, and prepares a future specialist for effective work in various life situations in the future
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Объект №7

Заголовок	THE BASIC CONDITIONS FOR THE FORMATION OF INTEREST IN THE DEVELOPMENT OF MUSIC AND COMPUTER TECHNOLOGIES
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Аннотация	With the development of digital technology, music education is on the verge of major changes that require rethinking and evaluation of centuriesold traditions. Music and computer technology is just beginning its journey of widespread public recognition. At least two circumstances hinder their active implementation in musical and pedagogical practice: 1. the need for special knowledge and skills related to digital technologies and 2. the rejection by most musicians of tools based on digital technologies. The solution to the second problem is related to the restructuring of students consciousness and public opinion in favor of musical digital technologies. Crucial in this area is the education of students with the necessary motivation. Features of its formation are considered in the article.
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Заголовок	V.G. BELINSKY ABOUT FAMILY EDUCATION (18111848)
Аннотация	This article presents the views of Russian philosopher V.G. Belinskiy on family education in 18111848 the early stages of personal development the qualities of relations among family members and their necessary attributes moral and ethical relations between parents and their children as the ground of successful and productive means of education.
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Объект №9	
Заголовок	EXPERIENCE IN IMPLEMENTING EXTRACURRICULAR ACTIVITIES TO PREVENT THE SPREAD OF HIV/AIDS IN THE STUDENT COMMUNITY

Аннотация	
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Объект №10	
Заголовок	ANTI-TERRORIST PROTECTION OF TOURISM

Аннотация	<p>Modern terrorism, using technological advances and migration flows, has managed to reach global proportions. Destroying and crippling innocent people and spreading fear in society, it is trying to influence the authorities in order to fulfill its demands. Tourism is becoming a particularly attractive target for terrorists with its scale and simplicity of terrorist attacks. Russia successfully implements a nationwide counterterrorism program through the use of special bodies and law enforcement agencies. However, the success of the antiterrorist struggle largely depends on the activity of citizens. An important role in this is played by university graduates, who, while in the positions of managers and specialists, provide protection for the tourism industry in nonmilitary ways. This article determines the nature of the negative impact of terrorism on tourism and studies the readiness of university graduates to independently ensure the safety of tourist facilities by nonmilitary means.</p>
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Объект №11

Заголовок	THINKING AS A SYSTEMIC ORGANIZATION OF MENTAL MECHANISMS
Аннотация	<p>Education of creative thinking of the person is complicated by variety of ideas of his essence and contradictions in assessment. Scientific research of this phenomenon has to rely on idea of the system organization of mental mechanisms in which thinking is not one of mental processes among others, but the organizer their mutually assistance (P. Anokhin). The mental processes that make up thinking have a systemic organization. Thinking in its most generalized form is associated with two global tasks: cognition and transformation. Cognition, in such a context, appears as a broad process, the results of which help a person to live in this world. The transformation covers, on the one hand, all types of practical thinking, on the other hand, the whole range of issues related to scientific and artistic creativity. This is the most main aspect of thinking, for creativity is what we owe to the birth of man, as a thinking creature. In this case, thinking acts as a systemic organization of the human psychic mechanisms for cognition and transformation of oneself and the world.</p>
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Объект №12

Заголовок	SATISFACTION WITH THE EDUCATIONAL ENVIRONMENT IN THE CONTEXT OF PSYCHOLOGICAL SAFETY
Аннотация	The article presents the results of part of a comprehensive study of the psychological safety conditions of the university environment, in particular, the study of the dynamics of satisfaction with the educational environment of the university students, the significant characteristics of the educational environment of the university and the degree of satisfaction with them are highlighted. It is concluded that junior students demonstrate a closed position, which is manifested in the desire to maintain independence and the boundaries of personal space, senior students are focused on integration and interaction, the manifestation of an open position that guarantees the necessary degree of security.
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Объект №13	
Заголовок	FAIRY TALE AMPLIFICATIONS IN THE NOVEL BY CHARLES DICKENS “A TALE OF TWO CITIES”
Аннотация	In this article fairy tale amplifications are studied as a phenomenon of the authors creative mind, that allows us to combine cultural and historical context with the genre and the compositional models created by C. Dickens. The researches used amplification mechanism as a mechanism for duplicating constructions or its part to widen its meaning. Amplification consists of an amplification center, an extratextual base, extratextual connections, which are connected to such amplification types as fairy tale entourage, fairy tale motives, fairy tale images. On the basis of this research the conclusions about the compositional and the semantic role of amplifications were made: the fairytale entourage creates the cultural and the historical context of the epoch, the fairy tale motives define the course of time in the text of the literary work.
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Объект №14	
Заголовок	PSYCHOLOGICAL MECHANISMS OF THE FORMATION AND FUNCTIONING OF THE MEDIA DISCOURSE OF THE THIRD MILLENNIUM

Аннотация	<p>The article covers the problem of the formation and functioning of the presentday media discourse in its interaction with the psychological mechanisms of human consciousness. The study focuses on three basic psychological mechanisms goalsetting, psychological setting and reflection. It is stated that the construction of a media discourse of any complexity taking into account the abovementioned psychological mechanisms can be considered as one of the most powerful tools for influencing the consciousness of modern man and society. Through the mechanisms of goalsetting, psychological setting and reflection in their structural relationship and interaction, the newly created media discourse, focused on a specific group of recipients, is able to penetrate and reflect the degree of their activity in the media discourse space as well as in real life their personal and social goals, aspirations and ambitions. Thus, the further study of a man of the third millennium through the prism of his interaction with media discourse space is introduced, taking into account the psychological mechanisms of the individuals consciousness.</p>
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Объект №15	
Заголовок	MATURITY OF THE RUSSIAN POLITICAL ELITE
Аннотация	This article attempts to identify the influence of the countrys political elite on the development of the state. This influence is to a decisive extent determined by the maturity of the elite, knowledge of national interests and the ability to uphold them during the development of the main directions of the countrys political, economic and social development. If personal interests prevail among the political elite, then such a state is ultimately doomed to lag. A way out of the current situation in which the Russian state finds itself is possible only with the education of a new political elite capable of leading the country along the path of economic growth and prosperity.
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Объект №16	
Заголовок	GEOGRAPHICAL INDUSTRY KNOWLEDGE: ON THE EXAMPLE OF GAS-OIL PLANTS OF TYUMEN OBLAST
Аннотация	This article discusses the natural and social factors of the founding and development of gas and oil refineries in the Tyumen oblast. These factors lead to an increase in design time and price of projects, which also leads to an increase in the price of the product. The most important part of reducing project time is open sessions that are held with geography scientists and their knowledge. It is also argued that without specialists from other fields, projects will not be useful in general and will lead to the failure of environmental and state expertise.
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Объект №17	
Заголовок	INDUSTRIAL TOURISM OF ORENBURG REGION: BACKGROUND OF DEVELOPMENT AND MAIN CENTERS
Аннотация	The interpretation of industrial tourism as a system is considered. The territorial differentiation is revealed and the attractive objects distribution is analyzed for industrial tourism in the obalst. The development preconditions and main centers are revealed. The public opinion survey on industrial tourism attractiveness and development in the region is done
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Объект №18	
Заголовок	COMPARATIVE CHARACTERISTICS OF THE CONDITION OF TEMPOROMANDIBULAR JOINT IN PEOPLE SUFFERING FROM METABOLIC SYNDROME AND OBESE
Аннотация	he study focuses on a comparative assessment of the prevalence of TMJ diseases in patients with metabolic syndrome and obese patients. A total of 436 patients were examined: 359 patients with metabolic syndrome associated with osteopathies, and 77 patients with obesity. The impact of prosthetics with various orthopedic constructions on the state of TMJ in individuals with a meta 1 bolic syndrome in the longterm period was assessed. According to the results of the study, a higher prevalence of TMJ pathology in individuals suffering from metabolic syndrome was determined. It was revealed that in this category of patients, the operation of wellmade orthopedic structures for three years leads to a decrease in the pathology of the temporomandibular joint.
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Объект №19	
Заголовок	ON THE QUESTION OF DENTAL LITERACY AND MEDICAL ACTIVITY OF PATIENTS OF AN OLDER AGE GROUP

Аннотация	The article presents materials on the structure of the caries intensity index in 342 patients of the older age group, and the hygienic condition of the oral cavity. The oral care regimen was observed on the examined group of patients, as well as certain aspects of medical activity. Data were obtained on a high level of caries intensity (0.34 0.02), a large percentage of extracted teeth (56.12) and a satisfactory level of dental care (51.05) in the examined individuals. The conclusion is drawn on the need for educational work among the population as a whole to improve oral hygiene and increase the level of dental care.
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Объект №20	

Заголовок	DAILY ACTIVITY OF TWO HALOPHYTES UNDER TIDAL DYNAMICS ON THE WHITE SEA COAST OF NORTH-WEST RUSSIA
Аннотация	The paper presents data on the reaction of two halophyte species (<i>Plantago maritima</i> L, mesophyte, <i>Triglochin maritima</i> L, hygrophyte) in the White Sea coastal area to tidal influences. Two strategies for the behavior of species on tidal dynamics are revealed. Structural (passive) in the hydrophyte <i>Triglochin maritima</i> , associated with an increase in leaf area and volume of the aerenchyma, and functional (active) in <i>Plantago maritima</i> (mesophyte), associated with metabolic changes in the flooding conditions. Hypotheses are expressed about the participation of the carboxylating mechanism and the gas film mechanism in <i>Plantago maritima</i> .
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Объект №21	
Заголовок	THE MOST IMPORTANT RESULTS OF SCIENTIFIC RESEARCH IN THE FIELD OF BIOLOGICAL PLANT PROTECTION, HELD AT THE POLAR-ALPINE BOTANICAL GARDEN
Аннотация	The paper presents data on new biotechnologies in the field of biological plant protection carried out in the PolarAlpine Botanical Garden to preserve the collection of tropical and subtropical plants and maintain ecological balance in the artificial biocenosis of the greenhouse. Presented are: Aphidoletes aphidimyza Rond and Aphidius colemani Vier cobreeding technology breeding method for Amblyseius mckenziei Schuster AND Pritchard the method of using Amblyseius mckenziei for the biological protection of greenhouse plants from Brevipalpus obovatus Donnadieu a method for the joint use of predatory mites Phytoseiulus persimiliAthiasHenriot. and Amblyseius mackepzii against a complex of pests: spider mites, (Tetranychus urtica Koch.), thrips (Heliothrips haemorrhoidalis Bouche, Parthenothrips dracaenae Heeger) and greenhouse plots (Brevipalpus obovatus) crop rotation of the flowernectar conveyor, as an additional feed (nutrient) medium for pests and entomophages.
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Объект №22	
Заголовок	CRUSTACEA AS A TEST OBJECT FOR THE RESEARCH OF THE OIL CONTAMINATION OF AQUATIC ENVIRONMENTS

Аннотация

The problem of evaluating the degree of the pollution of aquatic environments by hydrocarbons is very important, and it is complicated by the fact that the equal mass concentrations of oil contaminants with different fractional composition have different degrees of toxic effects on aquatic organisms. The paper presents the advantages of using the method of biotesting for evaluation of the harm caused to natural water objects by the impact of accidental oil spills using the example of specific studies in the Astrakhan region (2013-2015). The following questions are considered: determination of toxicity of oil pollutants in the natural water calculation and comparative analysis of safe concentrations LC10 for the petroleum products with different fractions the assessment of damage caused to the water medium by the impact of emergency oil spills by taking into account the biological indicator LC10. The results of biotesting shows that the heaviest oil fractions of petroleum products have the maximal effect on *Daphnia magna* Straus. The limiting harmless concentrations (LC10) of the heavy oil fractions dissolved and dispersed in water is 2 times less than LC10 for the fractions of diesel fuel and 20 times less than LC10 for the light gasoline and medium petroleum fractions of the petroleum products. The harmless concentration of oil products spilled on the surface of Silver Volozhka water channel is equal to 0.014 mg/dm³. This is 3,6 times less than the MAC of oil products in the water of fishery reservoirs (0.05 mg/dm³), which is taken as a benchmark in determining the degree of toxicity of pollution and economic damage. The use of the calculated index of LC10 and biological coefficient CBIO (if LC10 is less than MAC) allows us to take into account the degree of influence of hydrocarbons directly on aquatic organisms and makes the calculations of damage caused to water medium more accurate and objective. Biotesting methods, along with the traditional analytical methods, should be utilized in complex studies of oil pollutions of the aquatic environments.

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Объект №23	
Заголовок	SPECTRAL CHARACTERISTICS OF FLAME IN THE COMBUSTION CHAMBER OF THE DIESEL ENGINE

Аннотация	<p>The use of mathematical models, which are based on the zonal method of calculating heat transfer by radiation, as applied to the combustion chamber of a marine diesel engine, requires the preliminary determination of a number of energy characteristics. The most important of these is the spectral optical thickness of the flame. The purpose of this article is to develop a calculation method for evaluating the spectral optical thickness of a flame in a combustion chamber of a ship diesel 6 ЧН 24/36. It is shown that the magnitude of the spectral optical thickness of the flame depends on three main parameters: the attenuation coefficient of the radiation, the concentration of soot particles, and their optical characteristics (average diameter and diffraction parameter). The size distribution of carbon black particles and the values of the spectral optical thickness of the flame are presented as a function of the angle of rotation of the crankshaft for marine diesel engine 6 ЧН 24/36 when tested against a load characteristic. The main approaches are given that make it possible to determine the integral degree of flame blackness in the combustion chamber using the calculated data on its spectral optical thickness</p>
Автор 1	Rudnev, B.I.
Место работы автора 1	Far Eastern State Technical Fisheries University
Автор 2	Povalikhina, O.V.
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DOI	10.34660/INF.2019.18.39097

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Объект №24	
Заголовок	MATERIALS AND STRUCTURES FOR ENERGY EFFICIENT CONSTRUCTION IN ARCTIC CONDITIONS
Аннотация	The results of scientific and practical research of the Department of Production of Building Materials, Products and Structures of NEFU in the field of development and application of effective building materials from mineral raw materials for the construction of energyefficient buildings in the North Yakutsk and Chukotka Arctic zones of Russia are presented.
Автор 1	Mestnikov, A.E.
Место работы автора 1	NorthEastern Federal University
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Объект №25

Заголовок	DAMPING LAYER OF SOIL FOR DAMPING SEISMIC VIBRATIONS
Аннотация	This paper presents the nature of an earthquake, how to protect from various effects, different scientists of the world proposed methods of seismic isolation of a building, as well as studies to ensure the earthquake resistance and seismic protection of buildings and structures, based on their analysis of the work, the advantages and disadvantages offered by them .A seismic insulating base in the form of a screen (a shell) as a damping layer of the soil as the base was proposed to protect the building from earthquakes.
Автор 1	Besimbaev, E.T.
Место работы автора 1	International Educational Corporation
Автор 2	Jundubaeva, A.Z.
Место работы автора 2	International Education Corporation
DOI	10.34660/INF.2019.18.39099
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Объект №26

Заголовок	ABOUT TOPOLOGICAL MODELING OF PARALLEL SYSTEMS AND TASKS
Аннотация	<p>he work summarizes the authors research regarding topological modeling of parallel computing systems and tasks and includes formal and verbal descriptions of the original topological model of parallel computing, allowing nonadjacent connections of informationrelated processors of the system, which allows to modify the graph of the system to increase its degree and, accordingly, increase the possibility of isomorphic embeddings in it of graphs of tasks to be solved. The toolkit for comparing topologies with respect to scaling and fault tolerance of parallel systems is based on the authors method of projective description of graphs and on algorithms using this method.</p>
Автор 1	Melentev, V.A.
Место работы автора 1	Senior Research Officer Rzhhanov Institute of Semiconductor Physics Siberian Branch
DOI	10.34660/INF.2019.18.39100
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Объект №27	
Заголовок	PLANT BIOMASS OZONATION. STUDY ON LIGNIN DESTRUCTION IN PINE WOOD BY MEANS OF DIFFUSE REFLECTANCE UV SPECTROSCOPY

Аннотация	Using diffuse reflection UV spectroscopy, we studied samples of pine wood ozonized in the presence of different water contents. According to the UV spectra, during ozonation of pine wood, polyaromatic and stilbene structures are first destroyed, then guaiacyl derivatives, and then carbonyl and carboxylcontaining aromatic lignin structures. Ozone treatment of pine wood leads to a decrease in the lignin content. Lignin destruction proceeds efficiently in wood with a water content of more than 65 in the ozone consumption range of 23 mmol/g. When the water content is below 40, ozone treatment of pine wood allows for low ozone consumption to obtain a variety of LCM modifications with different contents of aromatic, oxygenatedaromatic and polyaromatic structures.
Автор 1	Mamleeva, N.A.
Место работы автора 1	Senior Research Officer
Автор 2	Kharlanov, A.N.
Место работы автора 2	Senior Research Officer
Автор 3	Lunin, V.V.
Место работы автора 3	Lomonosov Moscow State University
DOI	10.34660/INF.2019.18.39101
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Объект №28

Заголовок	OZONE-SORPTION PURIFICATION OF WATER CONTAMINATED WITH PHENOL
Аннотация	Combination of sorption and ozonation as a method of water purification from phenol is considered. Adsorption properties of the industrial adsorbent GAC (granular activated carbon) and activated carbon fiber (ACF) have been investigated. It is shown that the adsorption characteristics of both adsorbents, such as the specific surface area, adsorption capacity, and adsorption coefficients are comparable to each other. At the same time, due to the best kinetic characteristics, the adsorption efficiency on the ACF is significantly higher than on the GAC. Ozonation of phenol aqueous solutions in the presence of GAC and ACF adsorbents was studied after adsorption. Data on the efficiency of combined water purification from phenol by sorption and ozonation are presented. Deep purification of water from phenol and products of its partial oxidation is achieved by the preliminary sorption of phenol on the carbon adsorbent, in this case water purification using ACF is more effective.
Автор 1	Tkachenko, I.S.
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Объект №29	
Заголовок	PHASE EQUILIBRIA IN THE Na, Ca// SO4 , F H2 O SYSTEM AT 50°C
Аннотация	The phase equilibrium of the Na, Ca //SO4 , F H2 O system at 50C was studied by the translation method, and its closed phase diagram was constructed for the first time.
Автор 1	Usmonov, M.B.
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