

DOI: Scientific research of the SCO countries: synergy and integration

April 10, 2020. Part 2

Поле	Значение
Объект №1	
Заголовок	BUSINESS PROCESS SOFTWARE MARKET
Аннотация	This article will discuss the importance of automating business processes in enterprises, the need to implement software at various stages of office work and production in general, and will also review the current software market for various industries and for different purposes, consumers of the Western market, the CIS market and Kazakhstan in particular.
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Объект №2	
Заголовок	APPROACHES TO CHOOSING AN EFFECTIVE SYSTEM OF STAFF REMUNERATION IN THE ORGANIZATION
Аннотация	The article discusses the main approaches to choosing an effective staff remuneration system. The relationship of wages and economic results of the organization is indicated. The foreign and Russian experience of determining effective wage systems is presented.
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Объект №3

Заголовок	MIGRATION FLOWS IN THE EAEU COUNTRIES: FEATURES OF THE MODERN STAGE
Аннотация	<p>In the context of globalization, integration, internationalization, transnationalization, cooperation, there is an obvious intensification of the processes of labor migration of resources, which, choosing the country of application of their labor, as before, continue to focus primarily on economic factors. If migrants achieve their goal of finding work abroad, significant benefits from participating in the appropriate form of international economic relations in the XXI century are received by both donor countries and recipients. The Eurasian Economic Union is in this case a certain exception, since there is a clear imbalance in the volume and quality of benefits acquired by countries from internal migration processes. This problem can and should be resolved by conducting not only internal national economic reforms, but also by deepening the dialogue within the Union.</p>
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Объект №4

Заголовок	FORMATION OF A BUDGETING SYSTEM IN BUSINESS EDUCATION
Аннотация	The article is devoted to the specifics and problems of the formation of a budgeting system in business education. The article discusses the development of budgeting regulations for business education, the formats of the budgets themselves, as well as the procedure for generating a financial result and, on its basis, determining a system of motivation for program developers and teachers.
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Объект №5

Заголовок	THE IMPACT OF CORONAVIRUS ON THE ECONOMY OF CHINA
Аннотация	The Peoples Republic of China is the second country after the United States of America in terms of economic development level for 2019. The Chinese economy is a driver in world space and if an unforeseen situation arises, such as the spread of an epidemic of a previously unknown coronavirus, then the consequences can be significant not only for China itself but also for the whole world.
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Объект №6	
Заголовок	USA AND CHINA IN THE WORLD ECONOMY
Аннотация	The article discusses the interaction between the United States of America and China. Certain external spheres of foreign economic interaction between countries. The result of research was the identification of trends in trade and economic interaction between the two countries.
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Объект №7	
Заголовок	REFORMING THE RUSSIAN LEGAL INSTITUTE OF ADMINISTRATIVE RESPONSIBILITY
Аннотация	The article discusses various conceptual views on the further development of the legal institution of administrative responsibility. Particular attention is paid to determining the goals and objectives of the legislation on administrative offenses. The authors description of the problems of bringing to administrative responsibility of legal entities, as well as the problems of bringing to responsibility for quasi-administrative offenses is proposed.

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Объект №8	
Заголовок	DIGITAL STRATEGIES AS A FACTOR OF KNOWLEDGE ECONOMY DEVELOPMENT IN INTEGRATION ASSOCIATIONS OF STATES (EU AND EAEU)*
Аннотация	The article discusses the legal issues of formation of the digital knowledge economy in the integration associations of states (EU and EAEU) in conjunction with the UN Agenda for Sustainable Development. At the global, regional and national levels the need for a policy and legal framework for a knowledge economy focused on digital transformation is recognized. Digital strategies, along with research and innovation frameworks, are among the fundamental legal instruments governing scientific and technological development and the formation of a knowledge economy/ In the integration unions (EU and EAEU) digital strategies serve both innovative and integrative goals.
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Объект №9	
Заголовок	DIGITAL EDUCATIONAL ENVIRONMENT IN TRAINING FUTURE TEACHERS FOR ECONOMIC ACTIVITY
Аннотация	The article discusses current issues of professional training of a modern teacher for economic activity by means of a digital educational environment, as well as the components of a digital environment that contribute to the formation of economic activity of future teachers.
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Объект №10	
Заголовок	EVERYDAY LABOR AND LEISURE ACTIVITIES OF SOVIET CHILDREN AS A FACTOR IN THE PREVENTION OF ANTISOCIAL BEHAVIOR (BASED ON MATERIALS OF "TEACHER'S NEWSPAPER" AND "PARENTING SCHOOLCHILDREN" MAGAZINE IN THE 60S OF THE XX CENTURY)
Аннотация	In the text, based on an analysis of the materials of Teachers Newspaper and the journal Parenting Schoolchildren, the work experience of Soviet schoolchildren in the 60s of the XX century was reconstructed. The daily labor activity of children in combination with cultural and leisure activities is presented as a factor in the prevention of antisocial behavior of minors.
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Объект №11	
Заголовок	DIVINE HEALERS OF THE ROMAN WARRIORS
Аннотация	The report is dedicated to the healthy pantheon of the Roman imperial army in the era of the principate. Based on the analysis of information from epigraphic sources, the article identifies a circle of Roman, Greek and Thracian deities, who were addressed by Roman warriors with the hope of recovery or who thanked them for a happy outcome after wounds and injuries received in the battles for the glory of Rome and the emperors.
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Объект №12

Заголовок	TRAINING AND EDUCATION OF ROMAN WARRIORS
Аннотация	The report is dedicated to the education and upbringing of young soldiers of the Roman imperial army in the era of the principate. The article, based on the analysis of information from narrative historical sources (Flavius Vegetius Renat), highlights the most important aspects of both independent and collective preparation of young legionaries for a difficult but honorable mission - to protect their Fatherland in the glory of the Eternal City (Roma) and divine emperors.
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Объект №13

Заголовок	COVID-19 – REBOOST IN THE OLYMPIC HISTORY
Аннотация	<p>For the first time in the history of the Olympic Games there was a situation for which neither the organizers, nor the sponsors, nor the athletes, nor the government of the host country of the Games were ready. The economic damage from the coronavirus epidemic has already been estimated at trillions of dollars, this damage has affected absolutely all areas, including the sports industry. The postponed Olympics showed that, despite the existence of numerous anti-crisis scenarios, the International Olympic Committee was not ready for such challenge. In this article, the authors tried to analyze the prevailing economic risks for the organizers of the most large-scale event in the sports field, as well as to assess whether the abolition of the Games was the only possible way to minimize damage.</p>
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Объект №14

Заголовок	MULTILEVEL MANAGEMENT IN THE EURASIAN ECONOMIC UNION IN THE CONTEXT OF INTERNATIONAL COOPERATION
Аннотация	<p>The international cooperation of the Eurasian Economic Union is not only the formation of free trade zones with partner countries, but also the project of the Greater Eurasian Partnership. Multilevel governance at the supranational, interstate and national level, allows you to better understand and realize the opportunities that international cooperation in the Eurasian region provides. The aim of the work is to study the operation of the multilevel management mechanism in the EAEU. It is shown that the created mechanism of multi-level management not only solves the tasks of the Unions development today, but can also be used to solve more ambitious projects.</p>
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Объект №15

Заголовок	SPECIFIC FEATURES OF THE EMOTIONAL DEVELOPMENT OF PRESCHOOL CHILDREN
Аннотация	<p>This article discusses the theoretical aspects of the emotional literacy of preschool children. The paper presents a study of the real situation regarding the emotional sphere of a preschooler during preparation for school. Correctional and developmental work was carried out, which contributed to a more effective development of the child, as well as the realization and disclosure of the child's abilities in the emotional sphere. Classes are analyzed in detail and conclusions of correctional and developmental work with preschoolers are drawn.</p>
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Объект №16

Заголовок	POSITIVE LESSONS FROM AFFILIATE BETRAYAL
Аннотация	The proposed material attempts to highlight some significant positive effects of sexual adultery. An attempt was made to reflect not on adultery, but on adultery in partnerships of formally free people.
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Объект №17

Заголовок	PSYCHOLOGICAL BARRIERS OF PERSONAL AND PROFESSIONAL DEVELOPMENT OF EDUCATION SUBJECTS
Аннотация	In a theoretical and empirical study, it is shown that marginalism and procrastination are barriers to the personal and professional development of modern man. The main psychological factor in the manifestation of marginalism and procrastination of a specialist is the emergence in childhood and the consolidation in the educational process of schools and universities of various forms of personal (learned) helplessness. An important resource for the prevention and correction of learned helplessness, marginalism and procrastination is a favorable educational space.
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Объект №18

Заголовок

THE PROBLEM OF SAFETY AND SECURITY OF THE UNIVERSITY EDUCATIONAL ENVIRONMENT AS A SPACE FOR THE FULL SELF-REALIZATION OF SUBJECTS OF EDUCATIONAL RELATIONS

Аннотация

It is necessary to take into account the fact that the educational environment of the university, which has many resources, can and should be organized in such a way as to encourage the initiative of the subjects of educational relations, as if to provoke them to take initiative actions, to contribute to the detection of creative tension. If the effect of interaction with the educational environment is not productive, then often students and other participants in the educational process begin to experience uncertainty and stress. Stress can be intensified and cause toxic effects. This problem can be solved through the organization of the educational environment, friendly for participants in the educational process at the university, where everyone understands that they can count on the necessary psychological and pedagogical support. The following can be used as elements of an educational environment friendly to students and teachers of the university: options for working in small groups, focused on the development of reflective and communicative abilities and skills, resilience, emotional intelligence, creativity, various productive forms of teaching material (using adequate digital technologies), visualization of the components of the educational process, organization of creative workshops, project method. A safe educational environment, friendly to the subjects of educational relations, allows students to effectively cope with stress and solve current life problems.

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Объект №19	
Заголовок	ANALYSIS OF BIOPSYCHOSOCIAL CHARACTERISTICS OF LOAN BORROWERS

Аннотация	<p>This work presents the results of a comparative analyze of the biopsychosocial characteristics of loan borrowers - people who seek psychiatric help and people who didnt seek it, and the control group of people who have never issued a loan. The composition by gender and age, the characteristics of the social and material situation of the respondents, sources and sizes of their incomes, motives for obtaining loans, the amount of loans, the attitude of relatives to lending, the influence of collectors, etc. were compared. The facts of providing loans to the mentally ill, including people with disabilities, pensioners, and lonely people, were found. having no resources to repay debts. Debt contributed to the socio-psychological disadaptation of borrowers, the development of psychogenic mental disorders and decompensation of existing endogenous and organic mental disorders. The conclusion is formulated on the need to increase the financial literacy of the population and preliminary psychological counseling of borrowers.</p>
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Объект №20

Заголовок

OPTIMIZATION OF AURICULAR ACUPUNCTURE FOR DENTAL ANALGESIA

Аннотация

The study is dedicated to assessing the results of auricular electroanalgesia of the teeth of patients with various forms of caries using the Search-02 apparatus. An objective assessment of electroanalgesia was carried out on the basis of changes in electroodontometry, the indicators of which increased 2 and 3 times after the procedure. The analgesic effect was also evaluated by the subjective sensations of the patient himself within the framework of a three-point scale: from the absence of anesthesia, to a weak and pronounced one. The assessment was carried out after 1, 2, 5 minutes from the start of exposure and after the termination of the procedure. The study was conducted on 52 volunteer students male (25) and female (27) gender, aged 20-23 years. The advantages and disadvantages of the apparatus used are evaluated. The optimal exposure time was determined. The most promising use of it for analgesia in the treatment of superficial and secondary caries has been identified.

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Объект №21	
Заголовок	THE RELEVANCE OF GENERALIZED SALMONELLOSIS ON AN EXAMPLE OF A CLINICAL CASE. FEATURES OF THE EPIDEMIOLOGY, DIAGNOSTICS, THERAPY
Аннотация	Salmonellosis is an acute zoonanthroponic infection caused by numerous serotypes of bacteria of the genus Salmonella with a fecal-oral mechanism of transmission of the pathogen, characterized by a predominant lesion of the gastrointestinal tract, the development of intoxication and dehydration syndrome, polymorphism of the clinical picture in the case of the development of generalized forms. Salmonellosis is found in all regions of the world and is currently one of the most common zoonoses in developed countries. Everywhere, the incidence tends to increase, especially for large cities with a centralized food supply system. A particularly dangerous form of this disease is generalized, which has a high risk of complications and sometimes death for the patient. Due to the polymorphism of the clinical picture of this form, in practice, doctors are not always able to correctly diagnose it, which leads to errors in treatment and a worsening prognosis of such patients. The article describes a clinical case of a generalized form of salmonellosis complicated by acute renal failure. Clinical and epidemiological features were studied, as well as features in the diagnosis and treatment of this form.

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Объект №22	
Заголовок	EXPERIENCE IN DETERMINING MICROBIAL MARKERS BY GAS CHROMATOGRAPHY WITH MASS SPECTROMETRY IN PATIENTS WITH PURULENT-INFLAMMATORY DISEASES OF THE HAND

Аннотация	The article describes the experience of using gas chromatography with mass selective ion detection (GC-MS) as a method for etiological diagnosis in purulent-inflammatory diseases of the hand. In the studied group of patients, biological material was collected (contents of the focus of purulent inflammation and capillary blood) at 2 critical points. Intraoperatively, before taking antibacterial drugs and on the third day after surgical treatment. A classical bacteriological analysis was also carried out by means of seeding on solid nutrient media, the contents of the purulent focus. The obtained results confirmed the assumption of translocation of the bacterial flora into the focus of inflammation and the predominant role of the anaerobic flora in the pathogenesis of purulent-inflammatory diseases.
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Объект №23

Заголовок	SOME PARAMETERS OF HEMOSTASIS AND THEIR ROLE IN THE CLINIC OF THE MODERN COURSE OF MEASLES
Аннотация	The article contains modern information about hemostasis and vascular wall lesions in patients with measles. The feasibility of using indicators such as platelet aggregation, D-dimer, von Willebrand factor, endothelin, thrombomodulin, which will reveal new aspects of the pathogenesis, diagnosis and treatment of measles patients at the present stage, is considered and will serve as the basis for the development of prognostic criteria and preventive measures for thrombohemorrhagic complications in these patients.
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Объект №24	
Заголовок	THE PHYSICAL NATURE OF THE FRACTAL BEAUTY
Аннотация	Physical description of the fractal beauty has been considered in this work. The arguments for the concept of selection of the spatial frequencies of fractal images in the brain cortex have been discussed. Special attention has been paid to the stability of the scaling parameter of a fractal and its Fourier image, indicating the ability for rapid optical signal processing in particular brain sites. Rapid Fourier processing of visual signals makes one feel comfortable and causes the sense of beauty when contemplating a fractal object. The results of this study enable one to explain the efficiency of visual art therapy in medicine from the physical viewpoint, as well as to give a physical interpretation to some statements of modern aesthetics.
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Объект №25	
Заголовок	STUDY OF REVERSE LIGHT SCATTERING OF A TWISTED THREAD
Аннотация	<p>The possibility of using a new optical non-destructive method for monitoring the geometrical parameters of a twisted thread is considered. The method consists in the fact that the studied thread is illuminated by plane-polarized light with a rotating plane of polarization. Then, according to the value of the measured variable component of the light flux scattered at a known angle, an angular diagram of backscattering is constructed. The controlled parameters of the investigated thread are judged by the location of the maxima in this diagram. On yarn samples of various natures, the angular diagrams of backscattering under normal illumination by non-polarized and plane-polarized light with a rotating plane of polarization were studied. On the same samples of the studied filaments, microimages of illuminated areas corresponding to the angular values of backscattering diagrams were studied. Studies show the promise of the proposed method for assessing the angle of mechanical twist of the thread and the angular position of monofilaments in strands of thread.</p>
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Объект №26	
Заголовок	ACID-HYDROCARBON EMULSION SYSTEM (AHES) – MULTIFUNCTIONAL CHEMICAL COMPOSITION FOR ENCAPSULATED ACID TRANSPORT IN THE TECHNOLOGY OF SELECTIVE BZT OF CARBONATE HETEROGENEOUS RESERVOIRS
Аннотация	The object of the study is the acid-hydrocarbon emulsion system (AHES), based on the initial chemical reagents of various classes, for complex treatments of the borehole zones of carbonate reservoirs. The purpose of the work - is a scientifically-based development and study of the physicochemical properties of an acid-hydrocarbon emulsion system to increase the efficiency of processing a carbonate oil reservoir by increasing the depth of penetration of a hydrophobic emulsion into the reservoir, as a result of a multiple (an order of magnitude) slowdown of the reaction rate of acid microglobules in the emulsion with the formation rock, washing off the oil film saturated with asphaltene-resinous substances from the pore surface of the formation and regulating the rheological parameters of hydrophobic first emulsion over time. As a result of the studies, a formulation of an acid-hydrocarbon emulsion system with a specific component and concentration range of components was developed, which is characterized by an optimal set of physicochemical parameters. Expected results - increased efficiency and success of BZT wells at the facilities of PJSC TATNEFT.
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Объект №27	
Заголовок	AN EFFECTIVE APPROACH TO IMPROVING THE PROPERTIES AND QUALITY OF STEELS FOR THE AUTOMOTIVE INDUSTRY
Аннотация	It has been shown that the improvement of the properties and quality of produced and new developing steels for the automotive industry requires reliable data on the kinetics of the transformations occurring in the steel. Based on the results of studying the kinetics of the formation of Nb(C,N), Ti(C,N), and Ti ₄ C ₂ S ₂ precipitates effective approaches have been developed to significantly improve the complex of difficult-to-combine properties of various types of steels for automobile body sheet. New hardened during hot stamping and ferritic steels with a unique set of properties as well as cassette technology for the production of rolled products of various strength classes and drawing categories from IF steels of the same chemical composition have been created.

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Объект №28

Заголовок	AQUACULTURE BIORESOURCES AS A SOURCE OF FOOD AND BIOLOGICALLY ACTIVE SUBSTANCES
Аннотация	<p>The need for proteins is determined by the efficiency of metabolism and utilization of protein by the body. In this regard, the development of special- ized products enriched with protective factors, possessing immunomodulating properties and meeting the requirements of the functional nutrition of the population seems relevant. In order to meet the needs of the population in ensuring the quality and safety of products, it is proposed to use the multisensor system elec- tronic nose consisting of ten piezosensors to evaluate fish and fish products, the work of which is based on a multi-level neural semiotic model that describes the mechanism of operation of the olfactory bulb. It should be noted that fish proteins after proper technological processing are characterized by high digestibility (up to 9395), which significantly exceeds the similar proteins of meat of terrestrial animals. Also, good digestibility of fish proteins is associated with a low content of connective tissue proteins (57 of the total amount of fish proteins), an almost complete absence of elastin, and easy digestibility and glutinization of collagen. Thus, aquaculture bioresources serve as a source of food and biologically active substances, which in many respects provide physiological norms in nutrition and are useful for developing products that correct and maintain human health.</p>
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Объект №29	
Заголовок	CARRYING OUT A COMPUTATIONAL EXPERIMENT TO SOLVE THE SELF-SIMILAR EQUATION OF CROSS-DIFFUSION WITH DOUBLE NONLINEAR DIFFUSION
Аннотация	In this paper, we study the qualitative properties of solutions of the self-similar equation of cross-diffusion with double nonlinear diffusion. The above properties are established on the basis of the solution comparison theorem, and the asymptotics of self-similar solutions are obtained. The results of a computational experiment are presented.
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Объект №30	
Заголовок	QUALITATIVE ASSESSMENT OF LAND FERTILITY WITH THE UNCERTAINTY OF INITIAL INFORMATION
Аннотация	The article discusses approaches to assessing the state of poorly- formalized processes and applied fuzzy assessment systems to maintain soil fertility with fuzzy information.
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Объект №31

Заголовок	APPLICATION OF BIOLOGICAL POPULATION MODELS WITH DOUBLE NONLINEARITY
Аннотация	In this paper, we study the global solvability of a Kolmogorov-Fisher-type biological population problem with double nonlinearity and the qualitative properties of solving a problem based on self-similar analysis and its use for predicting infectious diseases. The qualitative properties of the problem under consideration are based on the study of the qualitative properties of the self-similar equation. To construct a self-similar equation, a nonlinear splitting algorithm is used.
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Объект №32

Заголовок	APPLICATION OF TECHNOLOGY FOR DATA MINING AND INTEGRATION IN APPLIED TASKS
Аннотация	Due to the limited capabilities of traditional methods of mathematical modeling in solving poorly formalized problems, including tasks associated with risk, in this paper we consider the use of data mining technology. They are based on artificial intelligence methods and, especially, soft computing methods (Soft Calculation, Soft Computing) and the areas of Computational Intelligence that originate on this theoretical and methodological base - intelligent computing technologies. The main components of these areas are the theory of fuzzy sets, fuzzy inference, genetic algorithms, artificial neural networks and neural network computing.
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Объект №33

Заголовок	WORLD SUGAR MARKET AND PERSPECTIVES
Аннотация	The article analyzes the global sugar market, determines key influencing factors, identifies trends and estimates sugar production in season 2019/20 in the main producing countries it also analyses the market prospects.
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