

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

April 10, 2020. Part 1

Поле	Значение
Объект №1	
Заголовок	SYSTEMIC ASPECTS OF THE INFLUENCE OF LARGE COMPANIES ON THE DEVELOPMENT OF THE COUNTRY'S ECONOMY
Аннотация	<p>In this study, the task is to determine the quantitative relations of parameters characterizing the current level and development trends of macroregional asymmetry, based on the analysis of large business for a number of indicators. One of the most important research problems is the macroregional stratification of the economic space of Russia with the identification of development priorities. Many scientists have studied these aspects. In this article, we used the methods and instrumental technologies of scientific research, in particular, economic and statistical groups (typological, structural, analytical), expert assessments. Conclusions are made about increasing the rating of Russian companies in world statistics, reducing the investment activity of large companies, taking into account the uncertainty of the economic policies of Russia and other countries for the future.</p>
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Объект №2	
Заголовок	OBTAINING COMPETITIVE ADVANTAGES BY GAZPROM NEFT DURING THE IMPLEMENTATION OF INDUSTRY-SPECIFIC IMPORT SUBSTITUTION STRATEGIES
Аннотация	The article discloses a fundamentally new approach of Gazprom Neft, one of the leaders in the extraction and processing of hydrocarbons, to obtain additional competitive advantages in the course of implementing measures for industrial import substitution strategies in the oil and gas industry. It is based on the fact that in the modern Russian economy there is a fairly large number of innovative and technologically advanced companies in almost any industry. To obtain additional competitive advantages, Gazprom Neft considers it appropriate to interest these companies in the prospects for the production of innovative products and technologies that are in demand. To meet the potential demand volumes, manufacturers who want to sustainably receive additional profit quickly shift their capacities to the development and production of innovative products and technologies. As a result of this approach, more and more innovative products and technologies that were not previously produced by Russian manufacturers will appear on the domestic market.

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Объект №3	
Заголовок	FINANCIAL LOSSES OF THE RUSSIAN ECONOMY FROM SANCTIONS AND WESTERN COUNTRIES FROM THE INTRODUCTION OF A FOOD EMBARGO BY RUSSIA

Аннотация

Despite the imposition of sanctions against the Russian economy, our country continues to interact with all countries in economic terms. The features of this interaction make approaches to assessing financial losses for the economies of all countries participating in the sanctions wars highly relevant. The main objective of this study is a comparative assessment of the financial losses of the economies of the EU and Russia from the policy of sanctions restrictions and prohibitions, as well as the impact of the Russian food embargo on the economies of the EU countries and their allies. As an object of research, sanction restrictions and their consequences for the economies of the participating countries were selected. The subject of the study is a comparative analysis of the negative impact of sanctions on the economies of the initiating countries and the countries against which they were introduced. The methodological basis of the study was the methods of collecting and processing statistical information, analysis and comparison of economic indicators, generalization and comparison of the resulting indicators. In the course of the study, it was possible to establish that financial losses from the introduction of sanctions restrictions negatively affect not only the economies of the countries against which they are directed, but also the economies of the countries that are their initiators. It has been established that, in value terms, the financial losses of the Russian economy so far exceed the losses of the economies of the Western countries. However, the introduction of a food embargo by Russia in response to the sanctions restrictions of Western countries was an incentive for the development and modernization of the domestic agricultural sector, and also contributed to an accelerated solution to the problem of import substitution in the food market. Ultimately, this led to increased food independence and the security of our country.

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Объект №4	
Заголовок	ASSESSMENT OF THE QUALITY AND ACCESSIBILITY OF MEDICAL SERVICES AS A FACTOR IN THE SUSTAINABLE DEVELOPMENT OF THE REGION
Аннотация	The article considers the concepts of the quality of medical care and its accessibility, characterizing their criteria and target values. Based on the annual reports on the state of public health and healthcare organization in the Tyumen region and statistical data, an analysis of the criteria characterizing the quality and accessibility of medical care for 2016-2018 is carried out, as well as a comparison of actual values with criteria. The impact of the quality and accessibility of medical services on the socio-economic development of the region is evaluated.

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Объект №5	
Заголовок	MANAGING INVESTMENT PROJECTS IN INNOVATION SPHERE
Аннотация	An article emphasizes the importance of using theoretical and practical methods in project management procedures for investment projects in innovation sphere. Authors present various methods of evaluating effectiveness, calculating and analyzing financial indicators of investment projects. They also propose a variant of developing and implementation current business model evaluating effectiveness investment project in innovation sphere.
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Объект №6	
Заголовок	HIGHER EDUCATION AS A FACTOR IN THE ECONOMIC DEVELOPMENT OF RUSSIA
Аннотация	The relevance of the proposed article is due to the development of the higher education system through the prism of key elements of the financial mechanism. For these purposes, the main approaches to the methodology of periodization of the study are identified. The main elements that make up the foundation for the development of higher education are: regulation methodology infrastructure financing.
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Объект №7	
Заголовок	COMPETITION IN THE MONOPOLY MARKETS OF THE KAMCHATKA TERRITORY
Аннотация	This article analyzes the behavior of key economic actors operating in the Kamchatka Territory in the markets for oil products and energy resources within the framework of natural monopolies. The study presents the comparative characteristics of the types of activities of economic entities of natural monopolies and the geographical boundaries of their functioning. The analysis of the structure of their products and the effectiveness of the monopoly enterprises. The problems hindering the development of firms are identified, and ways to solve them are proposed. The methodological basis of the study was the fundamental concepts and provisions of Russian and foreign scientists in the field of systems theory and system analysis, as well as assessing the market concentration of firms.
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Объект №8	
Заголовок	ANALYSIS OF FINANCIAL STABILITY OF THE ORGANIZATION
Аннотация	This article is discussed the actual sources of information for analyzing the financial stability of an organization in a digital economy, as well as preventing information leakage. The modern world is a consumer society, where it is difficult to gain a leading position in the market. Those, who manage to build their business, have to deal with maintaining an already established reputation and maintaining the organizations stability.
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Объект №9	
Заголовок	POSSIBILITY OF APPLYING THE DEFINITION OF SYSTEM TO INTERNATIONAL TRANSPORT CORRIDORS
Аннотация	The article proves that international transport corridors are a system. The author made an analogy between the main properties of the system and the properties of international transport corridors. In the article, the author shows static, dynamic and synthetic properties of international transport systems on the example of the International transport corridor East West. Based on the results of the review of the system properties of the international transport corridor, the author concludes that it is possible to use system analysis to study the effective- ness of international transport corridors.
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Объект №10

Заголовок	COMPETITIVENESS AS THE BASIS FOR THE FORMATION OF AN ENTERPRISE STRATEGY
Аннотация	The presented study analyzes the evolution of scientific views on competitiveness, as a key category affecting the formation and effective implementation of an enterprise strategy. The analysis of factors and the main features of competitiveness is presented, the classification of competitive forces is carried out. The authors view of competitiveness is presented from the perspective of the formation of a company's strategy. The work was based on the concepts of domestic and foreign authors who made a significant contribution to the scientific substantiation of the conceptual and theoretical foundations of competitiveness.
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Объект №11

Заголовок	THE FIRST EXPERIENCE OF MASS ORGANIZATION OF DISTANCE LEARNING IN RUSSIA
Аннотация	The article analyzes the assessment by teachers of the readiness of Russian schools to switch to remote forms of education. The experience of the first day of the mass transfer of schools of the city of St. Petersburg to the remote organization of the educational process is considered. The possibilities are shown and a personal judgment is expressed about the experience of accessing the portal Russian Electronic School.
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Объект №13

Заголовок	THE ROLE OF NATIONAL MUSIC EDUCATION IN CULTIVATING STUDENTS' NATIONAL CULTURAL QUALITY
Аннотация	National music is music with Chinese national characteristics, and it has a very strong and distinct regional atmosphere. National music can nourish human souls. No matter what style or form, or theme or content, ethnic music contains a love for the motherland, students can use ethnic music to increase their understanding of ethnic and folk traditional culture. National music can also broaden the unemployment of students, increase students knowledge reserves, improve students overall music level, and thus improve students national cultural qualities.
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Объект №14

Заголовок	DISTANCE EDUCATION PERSPECTIVES
Аннотация	The competence approach to higher education requires the education process to be flexible and robust, adapted to the needs of the contemporary students and requests of the employers, which is provided by distance learning technologies. This article demonstrates the advantages of distance learning of the basic disciplines for the morphology department of a medial higher educational institution as an integral component of unsupervised learning activities. A functional model for the distance learning technology of the Clinical Anatomy (Modern 3D Technologies) discipline has been designed based on the principles and specialized distance learning techniques.
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Объект №15

Заголовок	MODELS OF CONCEPTUAL-METONYMIC REPRESENTATION IN THE CONTEXT OF STUDYING SEMANTIC MECHANISMS OF EUPHEMIZATION.
Аннотация	The article proposes an algorithm for reconstructing the conceptual foundations of the semantics of euphemisms belonging to modern politically correct areas. It is shown that the most active are the clusters of metonymic concepts (conceptual metonyms). At the same time, the relatively high productivity of metaphorical concepts (conceptual metaphors) allows us to describe the correlation models of metonymic and metaphorical concepts by highlighting common conceptual foci.
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Объект №17

Заголовок	THE ROLE OF SOCS PROTEINS IN IMBALANCE METABOLIC PROCESS
Аннотация	<p>The study discusses the relationship of excess adipose tissue in the body with changes in the immune response system, including the participation of proteins - suppressors of cytokine signaling (SOCS) in the bodys immune response. The aim of the study was to characterize the role of SOCS proteins in the imbalance of metabolic processes. The enzyme immunoassay in patients de- termined the concentration of SOCS proteins 1,3,6. The SOCS - protein indices were compared in subjects who were obese (24 people with progressive forms of obesity I, II, III degree) and healthy individuals (15 people). The study found that in most overweight patients, the SOCS 3 protein value is significantly lower than in healthy individuals, in some part there was an increased content of SOCS 1 and SOCS6 proteins, which indicates a tendency to obesity. The interrelation between the excess amount of adipose tissue in the body and diseases that can be a causal factor of immune changes in the body in a particular patient is de- termined a correlation was found between a lowered content of SOCS 1 protein and the presence of liver lesions in the form of hepatitis, as well as a correlation between an elevated level of SOCS 3 protein and the presence of allergic reactions in medical history. Further studies of the participation of SOCS proteins in the bodys immune response may be promising for the diagnosis and new therapeutic approaches to the treatment of obesity, diabetes mellitus, liver steatosis, allergies and other diseases.</p>
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Исправить данные	
Объект №18	
Заголовок	FEATURES OF THE STRUCTURE OF REVISION HIP REPLACEMENT OPERATIONS

Аннотация	<p>The annual increase in the number of operations on total hip arthroplasty, noted both in the world and in the Russian Federation, inevitably leads to an increase in the number of revision arthroplasty operations. Their accounting is not well established, and the reasons, deadlines, scope of audit intervention, preventive measures have not been studied. The aim of the work was to study the structure of revision surgical interventions performed after total hip arthroplasty. The study is based on a monocenter retrospective study of clinical data on 161 revision endoprosthetics operations performed in 129 patients with destructive-dystrophic diseases of the hip joint in the period of 2015-2019. Differentially, depend on which account (first or second) revision operation was performed, gender, age, chronological, etiological characteristics, as well as the volume of surgical intervention were studied. The interpretation of the revealed differences is given. Conclusions are drawn about the need to study the risk factors for revision surgeries and the importance of a personalized approach to primary endoprosthetics surgeries as the primary principles for reducing the number of revision surgeries.</p>
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Объект №19	
Заголовок	THE ROLE OF IATROGENIC DAMAGE TO THE LARGE SAPHENOUS VEIN IN THE DEVELOPMENT OF INITIAL SIGNS OF VENOUS INSUFFICIENCY DURING OPERATIONS ON THE LOWER THIRD OF THE LOWER LEG ACCORDING TO MODERN LITERATURE

Аннотация	<p>The article is devoted to determining the role of iatrogenic damage to the great saphenous vein during traumatological operations in the development of the initial signs of venous insufficiency of the lower extremities according to modern literature. The aim of the review is to find out how this problem has been studied in the medical community. More than 100 different sources of domestic and foreign authors were analyzed. Having studied the available sources, we concluded that there is very little data on such studies in the literature. For the first time, the problem of the effect of damage to the saphenous vein during traumatological operations on the development of the initial signs of venous insufficiency of the lower extremities in patients with initially absent signs of vascular pathology was studied. According to our studies, damage to the great saphenous vein during trauma surgery in 92 of cases leads to the development of initial signs of venous insufficiency of the lower extremities.</p>
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Объект №20	
Заголовок	CHANGE IN CENTRAL AND PERIPHERAL HEMODYNAMICS DURING TOXEMIA DURING THERMAL BURNS IN CHILDREN UNDER 3 YEARS OLD
Аннотация	Relevance. With imperfection of the subcortical parts of the brain of young children (up to 3 years old), a higher metabolism, a high content of water in the brain tissues are noted, which leads to the appearance of a more severe symptom complex of shock, a period of toxemia, septic toxemia and burn exhaustion. The cardiovascular system has great compensatory capabilities, which leads to persistent circulatory disorders, a state of decompensation of the contractile function of the heart develops due to its increased contractility. Due to the high risk of complications and mortality, the problem of developing effective timely corrective measures remains relevant
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Объект №21	
Заголовок	STUDY OF THE SURFACE PHENOMENA OF A WATER- SOLUBLE POLYSACCHARIDE ISOLATED FROM GRAPE MEAL (CULTIVATED) (VITIS VINEFERO L.)

Аннотация	<p>Grape is the main source of juice and wine in the food industry. As a result of its processing, a lot of waste remains in the form of meal. The aim of the work was to study the surface properties of aqueous solutions of polysaccharides, to establish the critical micelle concentration and solubilizing ability relative to the oleophilic dye. As the object of study, we used the fraction of water-soluble polysaccharides (WSPS) obtained from meal of cultivated grapes (<i>Vitis Vinefero</i> L.). Surface activity was studied using a Rebinder instrument the solubilizing ability of WSPS micellar solutions relative to the oleophilic dye was established by the colorimetric method using a photocolormeter (FEK-56M). The results of the studies showed that WSPS isolated from a meal of grape cultivated belongs to surfactants. They have the ability to spontaneous micelle formation. The solubilizing ability of these WSPS molecules was discovered for the first time.</p>
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Объект №22	
Заголовок	DETERMINATION OF THE MOLECULAR WEIGHT AND AMINO ACID COMPOSITION OF RECOMBINANT L-PHENYLALANINE- AMMONIUM-LYASE
Аннотация	The physicochemical properties of the recombinant L-phenylalanine-ammonium lyase (PAL) were studied. The molecular weight of the recombinant PAL was determined by disk electrophoresis in 10 polyacrylamide gel under denaturing Laemmli conditions. The amino acid composition of recombinant PAL was studied using ion exchange chromatography with post-column derivatization with ninhydrin.
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Объект №23	
Заголовок	ASSESSMENT OF THE MUTAGENICITY OF ENZYMATIC HYDROLYSATES OF COCONUT OIL
Аннотация	The mutagenicity of enzymatic hydrolysates of coconut oil was studied in experiments in vitro using the DNA comet method, which is based on the registration of different mobility in the constant electric field of damaged DNA of individual lysed cells enclosed in an agarose gel.
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Объект №24	
Заголовок	ANALYSIS OF THE AMINO ACID COMPOSITION OF METABOLITES OF PSYCHROPHILIC MICROORGANISMS ISOLATED FROM BOTTOM SEDIMENTS OF LAKE BAIKAL
Аннотация	The amino acid composition of metabolites produced by psychrophilic microorganisms was studied using the method of chromatography- mass-spectrometry. Analysis of fragments, metabolites produced by selected psychrophilic microorganisms, was performed using the Mascot database.
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Объект №25	
Заголовок	EFFECT OF THE CONCENTRATION OF ELECTROCHEMICALLY ACTIVE PARTICLES ON THE MASS TRANSFER PARAMETERS DURING POLARIZATION OF LIQUID METAL ELECTRODES IN MOLTEN CHLORIDES
Аннотация	The results of studies of the concentration of electrochemically active particles on the current density and mass transfer coefficient for the polarization of liquid metal electrodes in molten salts are presented, when dissipative structures of various types arise due to natural convection and interfacial convection in the form of circulation cells - interlinked with each other vortices at the surface of an electrode or an electrolyte layer moving lamina­rly along the phase boundary and determining mass transfer conditions and the type of polarization dependencies (PD). It was shown that with increasing concentration, the current density and mass transfer coefficient increase, and their rate of change with concentration depends on the type of structures and when the circulation cells are formed, it is much larger than with natural convection or in the case of an electrolyte layer moving lamina­rly along the interphase boundary.

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