

# Scientific research of the SCO countries: synergy and integration

August 15, 2019. Part 1

Поле	Значение
Объект №1	
Заголовок	THE MODERN AUDIT MODEL BASED ON THE CONCEPT OF IMPROVING THE EFFICIENCY OF OPERATIONS AND LONG-TERM MANAGEMENT IN OIL PRODUCTION
Аннотация	<p>The technology of oil production at the final stage of exploitation of deposits differs significantly from the conditions of development of deposits at an early stage it requires new innovative technologies of complex production to the last drop. Therefore, the implementation of innovative approaches to enterprise management methods that take into account the specifics of oil production from old fields is especially relevant. Among the economic institutions that indirectly regulate the relations between business entities, an important place is taken by the audit institution. Currently, the traditional form of audit financial audit, mainly aimed at checking the legality and correctness of the distribution of financial resources and accounting, is actively complemented by an audit aimed at establishing the efficiency, effectiveness and profitability of the financial and economic activities of companies. The main purpose of such an audit is to evaluate the current management mechanisms and develop specific recommendations for more effective, provident and efficient business processes of the audited companies. The development of an audit of the effectiveness of investment activity is due to the desire of the management of commercial enterprises to control investment costs, to more effectively manage the financial flows arising in the course of this activity, as well as the everincreasing need for reliable financial information among investors and lenders. The lack of comprehensive scientific and practical developments on the aspects of the interaction of internal audit with external during effectiveness audit of business processes, taking into account the current</p>

	Russian specifics of the activities of oil producing enterprises. Internal and external audits in this regard can complement each other. In this regard, when using an integrated and systematic approach to the characteristics of the current state of audit, there is a need to develop a logical Model of modern audit based on the concept of improving performance and longterm management.
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<b>Объект №2</b>	
Заголовок	PHILOSOPHICAL AND ECONOMIC APPROACHES TO PROPERTY UNDERSTANDING
Аннотация	The concept of ownership has been the subject of analysis by the scientific community for many centuries. During this time, a certain amount of knowledge and ideas about the role of property, its functions and tasks in the socioeconomic life of people was accumulated. Despite this, there is still no single approach to understanding it. Various researchers interpret this concept in different ways: for some, property is an appropriation, for others it is alienation. Some scientific schools understand property rights as something whole and indivisible and consider it necessary to concentrate all property rights to an object in the hands of one owner, considering cases of dispersal of powers among several persons as feudal remnants. Others share the AngloSaxon legal tradition, allowing the possibility of fragmentation of ownership of an object to the authority of several persons. The purpose of this study is to identify the evolutionary stages and the main origin factors of the ownership institution based on an analysis of the economic and philosophical views of scientists

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Объект №3	
Заголовок	AGREEMENT ON THE PAYMENT OF ALIMONY IN THE RUSSIAN FEDERATION
Аннотация	The introduction of an alimony payment agreement in Russian law marked the transition to lessening the influence of mandatory regulatory methods that had traditionally dominated earlier in Russian family law. It was determined by the needs of society in the search for simplified ways to consolidate alimony obligations. The article examines some issues of the essential conditions of an agreement on alimony for minors in Russia
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Объект №4	

Заголовок	RELEVANCE OF PROFESSIONALLY-ORIENTED PROJECT TASKS IN THE PREPARATION OF BACHELORS-BUILDERS
Аннотация	The article is devoted to the current problem of the formation of engineering competence of bachelors in Construction specialty in the educational institution of higher education. The work is interdisciplinary in nature, the idea is substantiated that the developed set of professionally oriented design tasks includes situational tasks that arise in the professional activities of a civil engineer. The article reveals the process of formation of engineering competence of bachelors in the system of engineering education on the example of the discipline Material resistance. This area is also complemented by a review of structural components that define criteria and indicators for the levels of engineering competency of bachelors in Construction specialty.
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Объект №5	
Заголовок	EDUCATIONAL RESOURCES OF THE ORGANIZATION OF EDUCATIONAL RESEARCH ACTIVITIES OF STUDENTS IN THE STUDY OF THE COURSE "MICROBIOLOGY"
Аннотация	The global integration processes, the need for the higher education system to respond to an unstable situation in the field of employment, increasing competition and the level of requirements of employers have led to a reform of the content and structure of higher education in almost all sectors. Researchers consider professional development as a synthesis of cognitive, subject practical and personal experience and that it cannot

	<p>be formed by giving students a learning task or incorporating it into activity. The student must go through a sequence of situations close to reality and requiring more and more competent actions, assessments, and reflection of the acquired experience. Thus, the nature of the educational research culture is such that, although it is a product of training, it does not directly follow from it, but rather is a consequence of the selfdevelopment of the student, in our case, the student, and not so much technological as personal growth, holistic selforganization and synthesis of ones activity and personal experience.</p>
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<b>Объект №6</b>	
Заголовок	ANALYSIS OF RISK FACTORS FOR HEALTH DISORDERS IN THE EDUCATIONAL ENVIRONMENT
Аннотация	The article discusses the conditions and risk factors of the intraschool environment. An analysis of research has shown that the health of students depends largely on the hygienic conditions of the educational organization and the integrated pedagogical process. The success of educational institutions should be evaluated not only by the results of student performance (in the form of grades and tests), but also in conjunction with indicators that determine the level of health of students and the level of their functional state. Maintaining and maintaining the health of all participants in the

	educational process is possible with the introduction of new developed healthsaving technologies. The lack of education can be compensated for by selfeducation, additional education, tutoring, and it is very difficult to restore lost health, physical development is most often impossible.
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<b>Объект №7</b>	
Заголовок	DEVELOPMENT OF CIVIL ACTIVISM USING THE INTERNET TECHNOLOGIES 1
Аннотация	The Internet has become an integral part of modern society and the volume of Internet audience in the country continues to grow. The activity of users on the Web is strongly influenced by their sociodemographic and territorial characteristics. Today in the regional Internet community there is an acute question of trust: trust in each other, trust in various sources of information about events in society. Civil society institutions operate in an open system, constantly in contact with its elements. In part, they cannot always solve the problems that they have to face in their work, and of course the activity of any public organization is built on participation in society.
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Объект №8	
Заголовок	DIFFERENTIATION OF ENGLISH VERBS OF PSYCHOLOGICAL IMPACT
Аннотация	The article presents the experience of onomasiological research of the semantic structure of English synonymic verbal units with a general meaning of making psychological impact. The author focuses on the problem of differentiation of verbs with overlapping denotation, which is solved in the context of identifying differential and integral components of the meaning of the lexical unit and description of the role configuration of the verb. Verification of the research hypotheses is based on the analysis of lexicographic sources and data from the British National Corpus (BYUBNC).
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Объект №9	
Заголовок	NEW CRIMINALS OF RUSSIA: FORMATION IN THE 1920TH YEARS

Аннотация	The article reveals the features of the formation of a special type of criminal social world, namely, Soviet criminals. It is shown that the genesis of this criminality is associated, on the one hand, with previous criminal elements, and, on the other, with the specifics of the formation of new socioeconomic and political relations. The question is raised about the periodization of the formation and development of the criminal world in Soviet Russia, which the author associates with the possibility of connecting this world with power structures.
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Объект №10	
Заголовок	DYNAMICS OF HEMODYNAMIC PARAMETERS IN PATIENTS WITH Q-WAVE MYOCARDIAL INFARCTION
Аннотация	The steadily progressive nature of postinfarction remodeling is not always explained by the presence of pathological remodeling in the early stages of MI. Subsequent destabilization in the form of repeated myocardial infarction, persistent angina pectoris also make an important contribution. Adherence to discharge therapy, even in the absence of revascularization and thrombolytic therapy, improves the prognosis of postinfarction patients and reduces 2year mortality.
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Объект №11	
Заголовок	REGULATION OF INTRAOCULAR PRESSURE IN PATIENTS WITH GLAUCOMA DURING OPHTHALMIC SURGERY
Аннотация	Glaucoma is a group of chronic and progressive visual neuropathies that are the main cause of irreversible blindness in more than 60 million people worldwide. A key factor in the pathogenesis of glaucoma is apoptosis of the optic nerve against the background of increased or normal intraocular pressure (IOP). Preparations for local or systemic treatment of glaucoma have serious side effects and, when interacting with anesthetics, can provoke various serious complications. Therefore, the anesthetist should be aware of the prescribed treatment for glaucoma. In perioperative management of patients with glaucoma, it is necessary to take into account the mechanisms that determine the level of IOP during surgery, as well as factors associated with the anesthetic technique and manipulations. It is necessary to prevent postoperative nausea and vomiting and adequate pain relief to prevent an increase in IOP in the postoperative period.
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Объект №12	
Заголовок	NEW DIAGNOSTIC MARKERS OF EPITELIUM-MESENCHIMAL TRANSFORMATION IN PATIENTS WITH DIABETIC KIDNEY DISEASE
Аннотация	The aim of this study was to search and analyze the role of new diagnostic markers of EMT in urine in patients with DKD in early stage of its development. The study included 79 patients with the diagnosis of type 2 DM, newly diagnosed, DN, CKD C 1, AH, grade 12. The control group included 30 healthy individuals. The state of the functioning of the body systems of patients was evaluated on the 7th day of the study on the basis of indicators: the measurement of AER, the assessment of MAU, GFR calculation according to the CKD Epidemiology Collaboration formula, quantitative analysis of the content of EMT marker proteins Ecadherin, podocin, lipocalin2 in urine samples was performed on the basis of test systems by ELISA. Correlation interactions between the concentrations of podocin, Ecadherin, lipocalin 2 in the urine of patients of the study group with AER index were represented by direct correlations of average binding strength for the concentration of podocin, lipocalin 2 and high binding strength for the concentration of Ecadherin in the urine. The study demonstrated prognostic role of podocin, Ecadherin and lipocalin2 proteins in the progression of DKD as special scenario of CKD in individuals with type 2 DM.

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Объект №13	
Заголовок	CONTROL OF PARAMETERS OF TRANSPORTATION OF A MIXTURE OF LIQUEFIED GASES THROUGH LOW-TEMPERATURE PIPELINES
Аннотация	The article describes the technology proposed by the authors for transporting liquefied hydrocarbons through lowtemperature pipelines in a single phase liquid state from gas condensate fields of the Far North at a temperature not lower than minus 50 C and a pressure not higher than 12 MPa. The composition of the mixture of natural gas and gas condensate, critical parameters are determined using the REFPROP software package to ensure a singlephase liquid state with the above transportation parameters. Control is carried out by varying the composition of the mixture by critical parameters, and accordingly, a singlephase liquid state is predicted at the stage of preparation of the mixture for further transportation through lowtemperature pipelines. The proposed method allows to adjust the critical parameters (critical temperature and critical pressure), as well as transportation parameters (temperature and pressure) of a mixture of liquefied hydrocarbons, depending on its composition.
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Объект №14	
Заголовок	METHODOLOGICAL COMPREHENSION OF REGULARITIES AND FACTORS OF TOURISTIC AND RECREATIONAL ZONING (ON THE EXAMPLE OF ORENBURG REGION)
Аннотация	Approaches to touristic and recreational zoning are analyzed, zoning principles and methods are chosen. Touristic and recreational localities and districts are characterized
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Объект №15	
Заголовок	ON THE EFFECTIVENESS OF USING MEANS OF AUTOMATED FIXATION OF TRAFFIC RULES VIOLATIONS IN THE PREVENTION OF TRAFFIC ACCIDENTS AND THE PRESERVATION OF LIFE AND HEALTH OF ROAD USERS IN THE REPUBLIC OF SAKHA (YAKUTIA)
Аннотация	The intensive growth of the car fleet in the Republic of Sakha (Yakutia), along with the continued concentration of business activity around urban agglomerations, puts

	forward problems associated with a sharp increase in the level of traffic on roads, as one of the most acute. Inconsistency of road transport infrastructure networks with regulatory requirements, insufficient functioning of this system, as well as extremely low discipline of road users required the adoption of effective and targeted measures to reduce the accident rate on the roads of the republic.
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<b>Объект №16</b>	
Заголовок	INVESTIGATION OF THE INFLUENCE OF THE DRIVER'S REACTION TIME ON THE TRAFFIC SITUATION AT THE RING INTERSECTION
Аннотация	The dependences of traffic flow parameters on the reaction time of drivers at the ring intersection of the main roads of citywide significance are presented by simulation modeling.
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Объект №17	
Заголовок	SOIL MOISTURE SENSOR FOR AUTOMATIC DRIP IRRIGATION
Аннотация	Electric capacitance humidity sensor with a length of 20 m allows measuring the average soil moisture along its length. The sensor is made in the form of a bundled cable placed in the root layer of plants. The sensor has been used in an automatic irrigation system of drip irrigation due to the maintenance of optimal soil moisture, increase in yield is 2030.
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Объект №18	
Заголовок	EXOGENOUS REGULATION OF PRODUCTIVITY AND RESISTANCE OF THE VITIS VINIFERA PLANT SPECIES TO PHYLLOXERA

Аннотация	<p>A promising direction in the technology of cultivation of grapes is the use of elicitors to increase the resistance of plants to damage by diseases and pests, in particular by phylloxera. The purpose of the work is to study the effect of elicitors on the productivity and resistance of plants of the <i>Vitis Vinifera</i> species to phylloxera. The object of research is the root grape plants of the technical Bianca interspecific hybrid, of EuroAmerican origin. The plant growth regulator furolan and the amino acid methionine, as well as their composition, were used as elicitors. The use of elicitors in grape cultivation technology makes it possible to increase the resistance of root plants of Bianca grapes to damage by both the root and leaf form of phylloxera and in its biological effectiveness is not inferior to the standard treatment option, which involves the use of a large number of chemical protective agents. The use of elicitors affects the metabolism of grape plants, increases the content of phenolic compounds, and activates photosynthetic activity. This allows to activate the protective reactions of grape plants, increase productivity, get environmentally friendly products without compromising the quality of grapes.</p>
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Объект №19

Заголовок	BEHAVIORAL FEATURES OF ORGANIC SALTS AMMONIUM IN LATEX COAGULATION
Аннотация	<p>The stage in the production of latex coagulation is one of the most problematic in the general technological scheme of extraction emulsion rubbers. Until now sodium chloride is used in the process of coagulation synthetic rubbers from emulsion latex. The sodium salt is supplied to the treatment facilities after extraction of rubber crumb from latex with waste water. At the treatment facilities sodium chloride is not removed from the aqueous phase and is dumped in natural reservoirs thereby pollutes the environment. Currently quaternary ammonium salt in the production technology of emulsion rubbers is applied in the industry. They allow to exclude the use of sodium chloride in the industry of synthetic rubber and also to solve some environment problems. However quaternary ammonium salts cannot be used in some technological processes of production of emulsion rubbers. In the published earlier research articles were shown the prospects the use of lowmolecular ammonium salts in the coagulation process in the emulsion latex. Their consumption is 34 times less than the consumption of sodium salt. In the article was carried out the estimation of the coagulating ability of ammonium acetate, ammonium oxalate and ammonium citrate in the study of latex coagulation in the comparison with an inorganic ammonium salt and sodium chloride. The influences of the nature salt component were established, as well as their consumptions on the technological features of the coagulation process in the emulsion latex. The relationship between the consumption of organic ammonium salt and acidifying component on the complete coagulation was shown. These rubbers, rubber compounds and vulcanizates correspond to standard parameters.</p>
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