Registration data:

Scientific research of the SCO countries: synergy and integration. Part 2

September 14

Field	Value
Object №1	
Заголовок	COMPETENCE APPROACH AS A MODERN METHOD OF MANAGING THE EFFICIENCY OF STATE CIVIL SERVANTS PROFESSIONAL PERFORMANCE
Аннотация	Improving the efficiency and effectiveness of the performance of public civil servants is one of the main directions of development of public administration in Russia. The development of state management in this direction determines the use and improvement of new modern methods of managing personnel of state bodies. So, as a modern method of managing the efficiency of state civil servants professional performance, the article considers the competence approach The paper describes the main approaches to the concept and content of the category competencybased approach in scientific thought, highlights the main disadvantages of using this method in the practice of Russian state management. As a result of the learn, the competencybased approach is characterized as an indirect modern method of managing the efficiency of state civil servants professional performance. Based on this conclusion, the need for developing a quantitative assessment of the impact of using this method on the results and the effectiveness of professional performance of employees is substantiated as the main recommendation for improving the competencybased approach method.

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Исправить данные	

Object №2	
Заголовок	STATE FISCAL POLICY IN RECESSION AND IDENTIFICATION OF KEY PROBLEMS
Аннотация	The article examines the key problems of fiscal policy of the Russian Federation. General conclusion is that overall fiscal policy acts as a regulator of public spending and taxes. And only the proper use of tools fiscal policy leads to a stable, balanced and prosperous way of life of all subjects of the state.
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Object №3	
Заголовок	THE USE OF VIOLENCE AGAINST FINNISH POLICE OFFICERS IN THE LINE OF DUTY

Аннотация	The article discusses the use of violence against police officers in the line of duty with an encroachment on their life and health. The article notes that the fight against crime and the maintenance of law and order are always associated with a risk to the lives of police officers, especially when detaining armed groups of criminals associated with serious drug crimes. When studying the materials of criminal statistics over a long period of time, an increase in the number of cases of violent acts against police officers at both the national and European levels was also established. Based on the facts presented by the author, it can be concluded that the use of firearms with actual shooting to kill police officers in Finland is quite rare in comparison with other countries. Based on statistical data and the results of empirical studies published in Finland and international reports, priority directions in the fight against the use of violence against police officers have been identified, and recommendations have been proposed to counter this negative phenomenon.The principle of the rule of law implies that the actions of official authoritiesshould be carried out both formally and in fact within the framework of the law.This is especially justified in the case of the use of lethal force, in particular weaponsto kill, and the definition of rights, obligations and their regulatory frameworkin this situation should be based on the doctrine of jus positivum.The use of scientific and technical resources, combined with the latest achievementsof computer technology, new technologies of artificial intelligence and robotics,has increased the level of police equipment, which guarantees the safety ofcitizens and police officers.
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Object №4	
Заголовок	CHARACTERISTICS OF INTERNATIONAL SCIENTIFIC AND TECHNICAL COOPERATION MODEL OF THE INTERNATIONAL CENTER FOR NEUTRON RESEARCH ON THE BASIS OF THE PIK HIGH-FLOW RESEARCH REACTOR (ICNR PIK)
Аннотация	The ongoing internationalization of research projects, a vivid example of which are the functioning ITER International Organization for Thermonuclear Energy and the European Organization for Nuclear Research, as well as the initiated implementation of a megascience class project1 The International Center for Neutron Research, based on the PIK highflow research reactor 2 in Russia, taking into account the mandatory international presence of the Laue Langevin Institute and the European neutron source have identified the objectiveneed and urgent need for the formation of a model of international scientific and technical cooperation3 and the study of its legal aspects, allowing to achieve mutually beneficial international cooperation4 between representatives of Russia and foreign countries.
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Object №5	
Заголовок	PROBLEMS OF LEGISLATIVE REGULATION OF RE-SOCIALIZATION AND SOCIAL ADAPTATION OF CONVICTS TO IMPRISONMENT
Аннотация	The article analyzes the implementation of the Concept of development of the penal system of the Russian Federation until 2020. The necessity of updating the relevant legal framework for the further reform of the penitentiary service is substantiated. It is offered to fix definitions of resocialization and social adaptation in the domestic criminal executive legislation.
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Object №6	
Заголовок	SKILLS-PASSPORT AS INDICATOR OF PROFESSIONAL GROWTH OF THE GRADUATES OF PEDAGOGICAL HIGHER EDUCATION ESTABLISHMENTS
Аннотация	The article considers the problem of development of soft skills of future professionals as the main task of a modern pedagogical university, as well as the means to ensure the success of this process. A modern teacher needs to have a number of skills: communicative literacy, time management, project management, emotional intelligence, etc. The most universal solution to the stated problem is Skills passport a professional portfolio that demonstrates what professional skills a graduate of a pedagogical university has and what is his level of knowledge of these skills
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Object №7	
Заголовок	FORMATION OF COMMUNICATION SKILLS IN ADOLESCENTS
Аннотация	The problem of the formation of communication skills is of particular relevance in modern society. The authors analyze the concept of communication competence, its structural components, communication skills, determine the training potential and evaluate the effectiveness of their use in practice.
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Object №8	
Заголовок	FEATURES OF THE COACH AND SPORTSMAN RELATIONSHIPS IN THE COURSE OF TRAINING ACTIVITIES
Аннотация	This article presents the results of the study of the relationship between coaches and sportsman in training and competitive activities on the example of athletics. The statistics of athletes sports men show that the effectiveness of the pedagogical process of training athletes is related to the effective functioning of the coachathlete system, and a comprehensive study of joint activities athletes and coaches can be used in the training of highly qualified professionals in the field of physical culture and sports.
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Object №9	
Заголовок	C. SCHMIDT'S THEORY OF LARGE SPACE
Аннотация	The formation of a multipolar world (even at the doctrinal level, in the field of ideology, as a possible alternative) implies the need for a conceptual justification. The only known theoretical justification for multipolarity is the theory of large space by C. Schmitt.
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Object №10	
Заголовок	QUALITY OF LIFE IN PATIENTS WITH CHOLELITHIASIS BEFORE AND AFTER CHOLECYSTECTOMY
Аннотация	The article provides an assessment of the quality of life in patients with gallstone disease, before and after cholecystectomy. In the study of quality of life parameters, the Nottingham Health Profile was used. We consider such indicators as: pain, energy, emotional state, social isolation, sleep, and physical activity. It was shown that cholecystectomy without specific rehabilitation measures does not significantly improve the quality of life in comparison with healthy people.
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Object №11	
Заголовок	Regeneration and microcirculation of bone tissues under different conditions of osteosynthesis
Аннотация	Our own experimental studies have shown that all stages of morphogenesis of bone microstructures are simultaneously provided and continuously accompanied by focal and stereotypical angiogenesis (capillary genesis). A powerful factor in the implementation of reparative osteogenesis is the osteoinductive interaction of the ends of the damaged bone segment, which is positively manifested even in cases of significant diastases between fragments (if stably fixed). In order to ensure the stability of the zone of bone damage for the entire period of consolidation, after any type of stable osteosynthesis, endostealcortical bone regenerate is formed due to direct osteogenesis (i.e., without fibrocartilaginous tissue) of a minimum volume and in the shortest possible time. In this case, periosteal osteogenesis is actually a reserve source of bone formation, which manifests itself in insufficiently stable conditions. The instability of the area of bone damage and, especially, of the metal implant is fraught with the most serious destructive consequences.
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Object №12	
Заголовок	ADSORPTION ACTIVITY OF SPRUCE ROOTS POLYSACCHARIDES

Аннотация	The spruce Picea abies (L. Karst.) is a widespread wood plant in the territory of Perm region and other regions of the Russian Federation. The work is related to the research of watersoluble polysaccharide complex sorption activity of spruce roots, which are logging residues. The raw materials for the research were the roots of spruce, collected in the cutting area (the territory of Ilyinsky district, Perm region). Watersoluble polysaccharide complex was obtained from raw materials in two methods. Adsorption activity was determined by the ability to bind methylene blue, which is a marker for the most medical sorbents. According to the results of the research, the watersoluble polysaccharide complexof spruce roots obtained by extraction with 30 alcohol (method 1) was the most active. It was found that it exhibits adsorption activity at the level of the referential preparation (activated carbon). The obtained substance can be prospective for the development of sorbent drugs.
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Object №13	
Заголовок	THE STUDY OF THE ELEMENTAL COMPOSITION OF LEAVES, THICK EXTRACT OF COMMON PEACH - PERSICA VULGARIS MILL
Аннотация	The study of the elemental composition of the leaves, thick extract of common peach Persica vulgaris Mill was conducted. Samples for the study were prepared in the Krasnodar Territory of the Russian Federation in the vicinity of the city of Maykop. The study was carried out using a Thermo Scientific QUANTX Xray fluorescence spectrometer. According to the results of the study, the main macroelements of peach leaves are potassium and calcium, and among the microelements in the largest amount accumulate: aluminum, iron and manganese. It was also established that all the main elements with the exception of silicon go into a thick extract of peach leaves, but their mutual relationship changes.
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Object №14	
Заголовок	ANTICORROSIVE PROPERTIES OF N,N-BIS(3-AMINOPROPYL)-DODECYLAMINE
Аннотация	We investigated the stability of the alloy tin in relation to the solutions of alkyldimethylbenzylammonium chloride and N,Nbis(3aminopropyl) dodecylamine (Triamine), taken separately or in different ratios. It is shown that the mixture of alkyldimethylbenzylammonium chloride (QAC) with Triamine anticorrosion properties occur at concentrations greater than 1. The number of QAC must not exceed the concentration of Triamine. When the concentration of the chloride alkyldimethylbenzylammonium is 3, concentration of Triamine must exceed 2 times the concentration of QAC in order to prevent corrosion of the metal.
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Object №15

Заголовок	DIURNAL RHYTHM CHARACTERISTIC OF SOME BIOCHEMICAL CONSTANTS OF FEMALE WISTAR RATS AT THE AGE OF ONE YEAR IN A FIXED LIGHT MODE AND CONSTANT LIGHTING
Аннотация	The results of the study of the peculiarities of the daily rhythm of total protein, albumin, alkaline phosphatase, cholesterol, bilirubin and triglycerides in the blood plasma of female Wistar rats at the age of one year under conditions of fixed light mode and constant lighting are presented.
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Object №16	
Заголовок	OZONATION OF PLANT BIOMASS. TG/DTG/DSC ANALYSIS OF OZONIZED PINE WOOD
Аннотация	Transformations of pine wood under the influence of ozone were studied by thermal analysis in an oxidizing environment. The data of TG / DTG and differential scanning calorimetry (DSC) were analyzed from the point of view of transformations of lignin (LG), hemicelluloses (HC) and cellulose (CL) in wood with different amounts of absorbed ozone. The results of TG / DTG analysis indicate the destruction of hemicelluloses during ozonation of pine wood. Lowering the temperatures of thermal decomposition of LCM obtained from ozonated wood is consistent with a decrease in the LG content and depolymerization of CL during ozonation of biomass. A decrease in the total exothermic effect is observed from H 5.6 kJ / g (source wood) to H 3.6 kJ / g (ozonized wood). The noted changes in thermal properties are associated with the destruction of aromatic and multiple lignin bonds during ozonation, and, possibly, with an increase in the proportion of amorphous cellulose.
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Object №17	
Заголовок	CAUSES OF 3,4-BENZPYRENE FORMATION DURING SMOKING AND WAYS TO REDUCE TOBACCO SMOKE TOXICITY

Аннотация	Solving issues related to improving the quality of smoking products and reducing the toxicity of tobacco smoke is associated with the study of its physicochemical properties. To assess and monitor harmful toxic substances in cigarette tobacco smoke, the World Health Organization has identified nine priority toxic components. Among the polycyclic aromatic hydrocarbons (PAHs) of tobacco smoke, 3,4benzpyrene is given a special place, since it is a carcinogen and is classified as a hazard class 1 substance (extremely dangerous). The article considers the chemical composition of tobacco smoke aerosol, the formation of polycyclic aromatic hydrocarbons (PAH) and ways to reduce the toxicity of cigarette smoke. The chemical and toxicological characteristics of PAH are given.
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Object №18	
Заголовок	EVALUATION OF COLOSTRAL IMMUNITY TO THE VIRUS OF AUJESZKY'S DISEASE
Аннотация	This article presents the results of determining colostral immunity in newborn calves by adjusting the metabolic status of the inactivated vaccine from the Kordai strain against Aujeszkys disease. To determine colostral immunity in newborn calves, the method of metabolic status correction was used to vaccinate lambs obtained from immune sheep 4 months after birth. Research findings indicate that lambs obtained from immune sheep have high VNA titers. At the same time, an increase in the VNA titer goes up to 2130 days, then they remain at the same level for a month and gradually decrease to 1.01.5 log2 by 4 months after birth.
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Object №19	
Заголовок	BIOLOGICAL PROPERTIES OF BACTERIOPHAGES AGAINST ATYPICAL MYCOBACTERIA
Аннотация	The article presents the results of studies on the basic biological properties of bacteriophages against atypical mycobacteria isolated from the objects of the environment.
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Object №20	
Заголовок	PIROLOGICAL CHARACTERISTIC OF FOREST TYPES IN NATURE RESERVE «KUZNETSKY ALATAU»
Аннотация	Based on modern fundamental research in forest pyrology in Russia, a pyrological characterization of forest types in the Kuznetsk Alatau nature reserve has been performed. We used the Forest Type Scheme for this reserve and the type guide for the main combustion conductors developed at the Forest Institute, Siberian Branch of the Russian Academy of Sciences. The pyrological characterization of forest types makes it possible to perform a more perfect assessment of the natural fire hazard in the forest, to compile largescale maps of plant combustible materials to the places of fires and to predict their behavior: the speed of propagation of the tactical parts of the fire, the possibility of its transition from the ground to top or soil and predict the immediate consequences of the fire for example, mortality (of deaths) of the stand depending on the intensity of burning, tree species and its average diameter.
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Object №21	
Заголовок	BIOLOGICAL AND TECHNOLOGICAL ASPECTS OF PRODUCTION OF DIETARY MEAT PRODUCT USING QUAIL MEAT AND AMARANTH SEEDS
Аннотация	Information on the prevalence of food allergies is provided. The biological value and chemical composition of quail meat were studied. The rationale for the use of quail meat in food technology for children with food allergies is given. Meat souffle recipe is designed.
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Object №22	
Заголовок	THE MODEL OF NUCLEATION AND PROPAGATION OF TRANS-SIBERIAN WAVE OF INFLUENZA A(H1N1)PDM IN THE 2009-2010 SEASON
Аннотация	The development of the epidemiological situation of 20092010 in the Far East is simulated with the emergence of a pandemic influenza wave and its spread throughout Russia. The mechanism of this phenomenon is investigated. Import cases of infection and communication between residents of the Far East and China are taken into account. The movement of a pandemic wave across the territory of Russia is modeled using a multicamera model, where the Far Eastern region plays the role of the first camera. It is shown that the development of the first pandemic wave of 2009 in the world did not cause an epidemic in the Far East due to the absence of an epidemic in China, and only the development of the second pandemic wave that swept China also led to the transmission of the pandemic strain to residents of the Far East.
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DOI	10.34660/INF.2019.16.36891
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Object №23	
Заголовок	METHODOLOGY FOR EXPERIMENTAL STUDIES OF DEFORMATION ANISOTROPY OF NON-ROCKY SOILS IN COMPRESSION AND SHEAR DEVICES
Аннотация	The article provides a test procedure for soil samples in compression and shear devices. Samples should be taken in two mutually perpendicular directions. Based on the results of experimental studies, an anisotropy index was obtained, which allows one to establish the degree of deformation anisotropy of the soil and the shear modulus. The dependence of the shear modulus on the magnitude of shear strains and on the magnitude of the load is obtained.

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Object №24	
Заголовок	A COMPREHENSIVE APPROACH TO PROTECT LIGHTLY ARMORED VEHICLES AIRBORNE TROOPS FROM PRECISION WEAPONS

Аннотация	in this article the issues of complex increase of protection of lightly armored equipment of airborne troops from highprecision weapons are considered, the analysis of highprecision weapons, submunitions of armed armies of foreign States, as well as the principle of its operation is carried out. recommendations on complex protection of lightly armored equipment of airborne troops, as well as promising models of weapons are given
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Место работы автора 1	Ryazan higher airborne command school named for army General V. F. Margelov
Автор 2	Aleshin, V.Y. .
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Object №25

Заголовок	MODELING AND USING EXPLICIT AND IMPLICIT EXPERT KNOWLEDGE FOR THE ASSESSMENT OF DESIGNED OBJECTS
Аннотация	The use of mathematical parameters to describe the basic elements of the general model of objects is becoming more and more popular at present. Varying the geometric parameters allows to choose the most rational design scheme with minimal construction costs. The criterion for the correct decisionmaking is a measure of the effectiveness of the chosen path to achieving the goal. At the stage of preliminary assessment of models of designed objects, a group examination is applicable with the involvement of experts to substantiate the best solution. This task includes, mainly, qualitative indicators that cannot be clearly formalized and can only be taken into account approximately and are solved by attracting expert knowledge, scientific hypotheses, and intuition of researchers. The important thing is that an expert is able to measure immeasurable. The choice of model is based on the formalization of expert qualitative assessments. The mathematical basis of the approach in such cases is the algebra of fuzzy numbers. The presented approach has great potential for implementing a new class of applied problems in the field of application of additive technologies in construction.
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Object №26	
Заголовок	THE MAIN APPROACHES TO MODELING ELEMENTS OF SAW DEVICES WITH DIFFERENT CODING METHODS
Аннотация	The article describes modern methods and approaches to coding passive, that is, without external power supplies of acoustoelectronic identification tags and sensors. To receive a response signal from each tag or sensor, the energy of the interrogation signal is sufficient. To analyze encoding methods, it is necessary to consider various approaches to modeling acoustoelectronic devices. The typical designs used in the construction of passive acoustoelectronic tags and sensors are considered. It is shown that the main problem in the operation of radiofrequency data identification systems is the problem of collision of response signals, while polling. The analysis of modern models used to analyze and optimize the design made it possible to formulate requirements for solving the collision problem.
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Object №27	
Заголовок	THE USEGE OF PLANT EXTRACTS OF ADAPTOGENIC ACTION IN FUNCTIONAL BEVERAGES

Аннотация	The average annual growth in functional beverage consumption is more than eight percent, and this indicator continues to grow. Representatives of the food industry have a tendency to create functional foods, in particular drinks, as the fastest digestible form, due to increased consumer demand for healthy and wholesome foods. Manufacturers are increasingly using innovation to gain market position and a new target audience. Due to technological progress and an increase in factors affecting the body, the risks of diseases associated with the nervous system and the brain have increased. The World Health Organization (WHO) has predicted that in 2020, brain diseases and mental disorders will be among the top five diseases leading to disability. In this regard, the urgent task is to create a functional drink based on plant materials, using natural dry extracts that have adaptogenic effects to improve the bodys resistance to harmful environmental factors, reducing the risks of diseases of the nervous system and brain, as well as stimulating cognitive functions. We have modeled, using the sensory free profiling method, a functional drink based on directsqueezed juices, tea infusions and Centella asiatica extract
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Object №28	
Заголовок	BOLT CONNECTION UNIT FROM THIN-WALLED COLD-FORMED PROFILES WITH A PART OF A CONCAVE FLAT WALL
Аннотация	Thinwalled coldformed profiles with a part of a concave flat wall are used in the manufacture of truss frames. In these frames, the elements are joined using sheet shapes. Given the shape of these profiles, the bolts can be installed only in two extreme rows, while their wall in the place of flat concavity cannot be tightly connected to the gusset, therefore, the actual operation of such nodes requires research. The aim of the work is to study the stressstrain state of the joint of thinwalled coldformed profiles with a part of a concave flat wall when two rows of bolts are installed. As a result of the studies, the stressstrain state was determined when installing the bolts in the part of the concave flat profile wall. The authors proposed to install a reinforcing element of a gusset made of sheet steel in this part of the wall,which will increase the bearing capacity of the assembly, reduce the length of the connected elements and reduce the number of bolts.
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Данные проверены