Регистрационные данные:

Scientific research of the SCO countries: synergy and integration

28 September 2019. Part 1

Поле	Значение
Объект №1	
Заголовок	INSTITUTIONAL APPROACH TO DETERMINING THE ECONOMIC SUSTAINABILITY OF A FIRM
Аннотация	This article proposes an institutional approach to understanding economic sustainability. The approach is based on the institutional parameters of building a firm: principles, norms, mechanisms, development. Institutions that regulate the economic relations of market entities are one of the components of the economic stability of a company in the face of uncertainty.
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DOI	10.34660/INF.2019.17.37441
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=11
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Объект №2	
Заголовок	HOW TO INCREASE DURATION OF THE POPULATION OF THE COUNTRY
Аннотация	The ways of improving the quality and availability of medical ser vices and increasing the life expectancy of the countrys population based on the use of modern information technologies, original methods, models, algorithms and computer programs are proposed

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DOI	10.34660/INF.2019.17.37442
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=16
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Объект №3	
Заголовок	THE OPPORTUNITIES OF USING THE FOREIGN EXPERIENCE FOR BUILDING A MODEL OF GREEN ECONOMY IN RUSSIA
Аннотация	The article analyzes the foreign experience of greening the economy sectors and the tourism and hospitality industries. The examples of projects that in the future will significantly reduce the environmental burden on the environment are studied. The comparative analysis of ecological development on the example of Sweden and Russia is given.
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URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=24
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Объект №4	
Заголовок	INVESTMENT DECISIONS: RATIONAL EXPECTATION THEORY AND MACROECONOMIC RELATIONSHIPS
Аннотация	Based on sociological studies on the decisionmaking process on investments made in Russia, the factors that influence business decisions on future capital investments are ranked and systematized. The systematization of factors was carried out by the authors in accordance with the established modern eco nomic methodology and theory, which allows us to search for compromise solu tions between investor requests and the ability to customize the economic sys tem. The necessity of state regulation of investment processes in Russia is shown, mainly this can be achieved by improving institutions, including in the tax sphere, and by regulating macro parameters, mainly with the help of the Central Bank of Russia. This regulation is necessary, since investors do not have all the informa tion, and requests for cheap loans can lead to disruption of the macroeconomic balance and depreciation of the national currency. In addition, the state in the modern digital economy should stimulate investment in innovation in this area.
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URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=32
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Объект №5	
Заголовок	ONLINE FRAUD IN CREDIT AND MICROFINANCE
Аннотация	The relevance of the chosen topic is determined by the presence of problems of protecting the personal data of citizens, fraudulent actions when con cluding a loan agreement using copies of documents, personal data in the Inter net telecommunication network, as well as stolen, lost documents, protecting the rights of citizens in the processing of personal data by microfinance organizations for obtaining a consumer loan. There has been an increase in fraudulent crimes using call centers.
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DOI	10.34660/INF.2019.17.37445
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=39
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Объект №6	
Заголовок	PRACTICAL COMPONENT OF THE PROCESS OF TRAINING OF MINING ENGINEERS IN THE FIELD OF INDUSTRIAL SAFETY
Аннотация	The quality of training of specialists of technical universities de pends on the quality and organization of practical training of students. Therefore, specialists who are ready to solve complex problems in the field of industrial safety need to develop practical skills at existing mining enterprises. The experience of organizing educational practice for secondyear students studying in the specialty Mining specialization Technological safety and min ing is presented. Education in this specialty assumes a good theoretical base, reinforced by the practical training of students in the educational base of para military rescue teams and mining enterprises. It has been experimentally proven that

	training practice is an important and nec essary transition to production practice at 36 courses of study and the basis for a con scious understanding and practical application of the disciplines of specialization.
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Объект №7	
Заголовок	A BRIEF SUMMARY OF THE MAIN PEDAGOGICAL TERMS (TO HELP A YOUNG TEACHER OF MATHEMATICS)
Аннотация	The article is devoted to the study of basic terms and definitions of modern pedagogy and contains useful didactic and methodological material on the basic principles and approaches to the educational process, the classification of lessons and the plan of preparation of work programs.
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URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=52
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Объект №8	
Заголовок	TECHNIQUES FOR THE DEVELOPMENT OF IMAGINATION THROUGH READING AND ILLUSTRATING LITERARY WORKS WITH CHILDREN OF PRESCHOOL AND PRIMARY SCHOOL AGE
Аннотация	In the modern world, large amounts of information and modern digital tech nologies are increasingly pushing the reading of fiction by children to the back ground. Young people often prefer watching videos and quick ways to get infor mation than finding books and prints that interest them. Children are weaned to read, they know little of fiction, authors and writers, they are not interested in such an activity as reading. This happens to children all over the world, therefore this problem can be considered a global problem, and if it will not be solved, we will see many gaps in the upbringing and development of the younger generation.
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DOI	10.34660/INF.2019.17.37448
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=67
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Объект №9	
Заголовок	CIVIL AND PATRIOTIC EDUCATION AT THE PEDAGOGICAL FACULTIES IN EDUCATIONAL ORGANIZATION

Аннотация	This article is devoted to the organization of the management system of Patriotic education at pedagogical faculties in educational organizations. It based on the data of modern sources of the methodological, pedagogical and scientific lit erature, the article defines the goals, objectives and contents for the implementation of the work of Civil and Patriotic education of students in an educational organization. Tendencies of Civil and Patriotic education at school is necessary to pay attention to the Manager are defined. Also the conclusion about necessity of formation of the citizen and the patriot in students is given, ways of their education in walls of higher education institution and behind its territory are offered.
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DOI	10.34660/INF.2019.17.37449
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=72
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Объект №10	
Заголовок	THE DEVELOPMENT OF INDIGENOUS CULTURE IN CANADA: INDIGENOUS LANGUAGES ACT
Аннотация	The subject of the research is the current trends in the cultural and linguistic development of the indigenous peoples of Canada, namely those areas of public policy that are most effectively reflected in the restoration, preservation and use of the languages of the indigenous people of the country. The author pays special attention to the new law on the preservation of indigenous languages, which was adopted in June 2019, its goals, development mechanisms and pros pects, as well as issues of modern

	language education and the practice of using languages. The article uses general scientific methods for the analysis and syn thesis of research literature, a large amount of statistical data, and a comparative approach. The study showed that the situation with the languages o f the indig enous population of Canada remains difficult. The new law on the preservation of languages is designed to improve the situation. Under this law, state funding of new language development programs, research activities, the publication of dictionaries and textbooks, youth education and the training of qualified special ists are expected. Recently, a number of indigenous communities of Canada have seen positive trends in the restoration of the number of native speakers thanks to immersion programs at the level of preschool and school education, the use of new technologies, the development of media and ethnotourism
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Объект №11	
Заголовок	PREGNANCY RESULTS FOR WOMEN INFECTED WITH HEPATITIS A VIRUS
Аннотация	The study was conducted on 8 pregnant women with hepatitis A. When a woman was registered, she was examined by a hepatologist and virologist, and a protocol was drawn up taking into account these specialists to conduct the prenatal period. According to the protocol, the content of AST, ALT, alkaline phosphatase, total bilirubin was determined in the blood. Ultrasonography was performed at the end of each trimester. To prevent deterioration of the impaired functional state of the liver, pregnant women were prescribed heptral 1 tablet 2 times a day (800 mg). With a sharp in crease in markers of liver damage during the day, pregnant women were given 400

	mg of heptral intravenously. After a 2week course of using heptral to consolidate the effect, pregnant women continued to receive the drug 1 tablet per day for 10 days. An improvement in the functional state of the liver by the end of the second trimester of pregnancy led to visible positive results in the prenatal period. So out of 8 pregnant women, only in one (12.5) the pregnancy was not completed. But in the postnatal period, in 2 newborns (25), body weight was below normal, in the 1 (12.5) the patent ductus arteriosus was found
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DOI	10.34660/INF.2019.17.37451
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=85
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Объект №12	
Заголовок	PROPAGATION OF ELECTRIC POTENTIAL ON AN UNDIRECTED SURFACE
Аннотация	The classical dipole model of the myocardial electrical activity does not explain the difference in the amplitude of the ECG signal in standard leads. Buckbergs recent discovery showed that the myocardium of the heart has a Moe bius topology and is a nonoriented surface. The article considers the influence of a nonoriented surface on the distribution of the electric potential recorded in standard leads during ECG test. According to the results of experimental studies on samples of simulators, it was shown that the difference in the amplitude of the ECG signal in the leads can be associated precisely with the myocardial topology. It is also shown that by introducing distortions into the sample topology, cardi ac pathologies associated with impaired ohmic resistance in the currentcarrying circuit can be imitated.

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URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=89
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Объект №13	
Заголовок	TRACE ELEMENTS OF THE LYMPH NODES OF DIFFERENT LOCALIZATION IN THE CORRELATION WITH AGING
Аннотация	The synchrotron radiation Xray fluorescence technique was applied to the determination of Mn, Fe, Cu, Zn and Se concentration in different lymph nodes of Wistar rats. The experiment included healthy young and old animals. The results revealed the trace element profile of lymph nodes and associated it with the localization of lymph nodes and the period of life. The content of trace elements is optimal in lymph nodes of different localization in young animals. The differ ence in the content of trace elements is associated with the territorial belonging of lymph nodes, taking into account the concept of the lymphatic region (regional specificity). Aging leads to the development of cu, Zn, Se, Fe deficiency in excess of Mn in lymph nodes, which reflects the involution of lymphoid tissue and reduced immune function. The results obtained are the basis for the development of the concept of the lymphatic

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DOI	10.34660/INF.2019.17.37453
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=96
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Объект №14	
Заголовок	TRACE ELEMENTS OF LYMPH NODES OF DIFFERENT LOCALIZATION IN THE CORRELATION WITH AGING
Аннотация	The synchrotron radiation Xray fluorescence technique was applied to the determination of Mn, Fe, Cu, Zn and Se concentration in different lymph nodes of Wistar rats. The experiment included healthy young and old animals. The results revealed the trace element profile of lymph nodes and associated it with the localization of lymph nodes and the period of life. The content of trace elements is optimal in lymph nodes of different localization in young animals. The differ ence in the content of trace elements is associated with the territorial belonging of lymph nodes, taking into account the concept of the lymphatic region (regional specificity).

	Aging leads to the development of cu, Zn, Se, Fe deficiency in excess of Mn in lymph nodes, which reflects the involution of lymphoid tissue and reduced immune function. The results obtained are the basis for the development of the concept of the lymphatic region in the search for lymphotropic technologies for the correction of trace element homeostasis.
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DOI	10.34660/INF.2019.17.37454
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=102
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Объект №15	
Заголовок	EVALUATION OF THE EFFECTIVENESS OF NON-INVASIVE METHODS FOR THE DIAGNOSIS OF MALIGNANT NEOPLASMS OF THE MOUTH
Аннотация	he complexity of the early diagnosis of cancer of the oral mucosa (COP) is due to the fact that it is impossible to determine the malignancy of the process using standard examination methods, and good visualization of the ele ments of the lesion does not give advantages in this period. Currently, the modern examination method for oral mucosa includes autofluo rescence (AFC) and AFC with staining using which it is possible to detect the localization of pathological processes. In 201819, 45 patients

	aged 35 to 85 years with integrity violation of oral mucosa (erosion, ulcers) due to chronic mechanical injury were examined at the Department of Dentistry of FSBI FPE CSMA. A comparison of stomatoscopy was performed to identify the diagnostic efficacy of determining the malignancy of pathologically lowlying foci of oral mucosa. Diagnostic tests were evaluated based on the concepts of evidencebased medicine and data from biopsy results. The sensitivity of the AFC and AFC staining methods was 100. The low (less than 10) informative value of diagnostic methods was established by criteria such as specificity, accuracy, prognostic value in this regard, using these meth ods, it is impossible to identify malignancy of the pathological process. The modi fied AFC technique with staining allows one to determine the area of the lesion elements and to separate the borders of the pathological focus from the intact tissue for biopsy. Thus, with the help of stomatoscopy, it is only possible to clearly visualize any case of oral mucosa disease.
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URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=108
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Объект №16	

Заголовок	HYDROBIOLOGICAL AND ICHTHYOLOGICAL PECULIARITIES OF TUDAKUL RESERVOIR AT PRESENT CONDITIONS
Аннотация	The Tudakul reservoir was created in the lower reaches of the Zarafshan River for irrigation purposes, it receives water from the middle reaches of the Amu Darya River (main source) and from the Zarafshan River. The reservoir was created in the 1950s, longterm fishing productivity of fisheries was 812 kg/ha, catches were 120 200 tons per year. Since 2003, pasture aquaculture (culture based fisheries) began to be developed in this reservoir. For this purpose, a fish hatchery was built in which carp yearlings (Cyprinus carpio), white carp (Hypophthalmichthys mo litrix), spotted silver carp (H. nobilis), grass carp (Ctenopharyngodon idella) are grown up to 30 120 g of average individual body weight, stocked reservoir with density 300 500 ind./ha. Fish walk for 2 years or more. Fishing was completely transferred to nonaquatic with kurpnoy mesh (70 mm and above). As a result, since 2005, catches began to increase sharply and amounted to 1000 1500 tons in 2006 2015, and fish productivity increased to 4060 kg/ha.
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URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=116
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Объект №17	
Заголовок	FEATURES OF SOIL FUNCTIONING IN THE SOUTHERN BAIKAL REGION
Аннотация	This work considers soils developed under paleocryorelief conditions and experienced agrogenic effects. It is established that a low energy level of soil formation is characteristic of them. The high variegation of parent rocks, the position along the topography, including its microforms, is reflected in the state of phytocenoses and biological activity of soils. Agrogenic exposure leads to a noticeable deterioration in their properties, intensifying during cultivation of soils complicated by tuberouslowland paleocriorelief.
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URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=121
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Объект №18	
Заголовок	MODELING AND SIMULATION OF ENGINEERING SYSTEMS ON THE BASIS VECTOR OPTIMIZATION
Аннотация	The purpose of this work consists is to create a practical methodol ogy for designing engineering systems on the basis of the developed theory and methods of vector optimization. The mathematical model of the engineering sys tem is constructed in the form of a vector problem of mathematical programming which is solved in the conditions of certainty and uncertainty in the aggregate. Realization of a decision

	making on model of an engineering system is presented on a numerical example of model, in the form of a vector problem of nonlinear programming. The software in MATLAB is developed for the solution of vector problems with equivalent criteria and with the given priority of criterion.
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DOI	10.34660/INF.2019.17.37458
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=129
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Объект №19	
Заголовок	MECHANISMS OF ENERGY TRANSMISSION AND ENERGETIC MANIFESTATIONS
Аннотация	The law of conservation of matter and the conversion of energy is the basis of all changes and interactions of material objects of nature, where energy, characterizing the movement of matter, is transmitted in the form of work and energy manifestations in the form of heat, light, electricity, magnetism, etc. The presence of substances in the atomicmolecular structure is proposed. elementaryelectromagnetic particles endowed with electrical and magnetic properties, which are elementary energy carriers. Energy transfer in the form of chemical, electrical, electrochemical, mechanical and other types of work is carried out by directed movements of electromagnetic particles with the participation of working bodies. By the working fluid is meant the material object of the system under consideration moving directionally under the influence of electromagnetic particles and participating in the work. In the process of electrical work, an ex ternal emf is needed, a conductor and a working fluid an electron, and dur ing electrochemical work another electrolyte. Chemical work is the course of a chemical reaction of reacting substances, where the working medium is the electron

	and the chemical elements of the chemical individual. To perform me chanical work, devices are required that provide the directed movement of elec tromagnetic particles released during the course of processes and a macroscopic working fluid moving under their influence. In all the cases considered, the number of electrons before and after the pro cesses in the system is constant and only the number of elementary energy carri ers electromagnetic particles is changing, strictly obeying the general law of conservation of substances and energy conversion.
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DOI	10.34660/INF.2019.17.37459
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=143
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Объект №20	
Заголовок	CHEMICAL TRANSFORMATIONS OF POLYSACCHARIDES OF WHEAT STRAW UNDER SUPERCRITICAL EXTRACTION WITH A MIXTURE OF ETHANOL AND DIMETHYL CARBONATE
Аннотация	The creation and development of methods for preparing lignocel lulosic raw materials for biochemical processing is one of the priority areas of chemistry and chemical technology. The most promising methods include super critical ethanolysis. This work presents the results of a study of the effect of meth ylating reagent (dimethyl carbonate)

	on the yield and composition of the products of fragmentation of wheat straw polysaccharides during supercritical ethanolysis. Ethanol, DMC, and mixtures thereof with a concentration of DMC of 20, 40, 60, and 80 vol were used as a solvent. It is established that the presence of di methyl carbonate in the solvent increases the efficiency of fragmentation of straw biomass. In supercritical extraction with dimethyl carbonate, fragmentation of straw polysaccharides is accompanied by the formation of methyl derivatives of monosaccharides of varying degrees of alkylation, of which more than 70 are methyl derivatives of glucose. More than 65 of the identified methyl derivatives of monosaccharides are glycosides. Schemes for fragmentation of straw cellulose in a medium of supercritical ethanol and dimethyl carbonate, suggesting a radical breakdown of glycosidic bonds under process conditions, are proposed.
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DOI	10.34660/INF.2019.17.37460
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=154
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Объект №21	
Заголовок	BIOLOGICAL PREPARATIONS FOR THE PROTECTION OF POTATOES IN PRIMORSKY KRAI
Аннотация	The article presents an assessment of the biological effectiveness of bioinsecticides Fitoverm, KE, (50 g/l), Fitoverm, KE (2 g/l) based on aversectin C and Akarin, CE (2 g/l) based on avertin N to protect potatoes from 28 Spotted potato ladybug, a dangerous potato pest in the south of the Far East.

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Место работы автора 2	The Institute of Plant Protection Primorsky Krai
DOI	10.34660/INF.2019.17.37461
URL	http://naukarus.ru/public_html/wp-content/uploads/2019/Scientific%20research%20of%20the%20SCO%20countries%20-%20English%20Reports%20-%20September%2028%20-%20Part%201.pdf#page=164
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Объект №22	
Заголовок	DEPENDENCE OF THE PHYSIOLOGICAL STATE AND YIELD OF CORN ON THE CONDITIONS OF MINERAL NUTRITION
Аннотация	The article presents the results of studies of the effect of nonroot treatment with micronutrients at different levels of mineral nutrition on photo synthetic activity and yield of maize. Preparations of trace elements stimulated the increase in the photosynthetic surface of the maize plant. In the phase of pa niculation cob flowering, the increase in the leaf surface from the use of prep arations with trace elements against different backgrounds of mineral nutrition amounted to 9.4...11.3 (2.4...3.0 thousand m2/ha) in comparison with options without treatment. The largest leaf surface to the harvesting period was preserved by plants with foliar treatment by EcoFus, at different levels of mineral nutrition it exceeded the control variant by 16.4 ... 19.2 or 3.9 ... 5.2 thousand. Against the unfertilized background, the preparations with trace elements allowed to increase the amount of photosynthetic potential by 6.9...18.3 . The greatest potential was formed with foliar processing of maize crops by EcoFus and Gumos tim. Against the background of nitrogenphosphorus fertilizers, the best result was obtained with foliar treatment by EkoFus 2336 thousand m2/hadays. Against the background of N120P90K60, the value of photosynthetic potential from foliar treatment with trace

	elements exceeded the control by 2.1 ... 17.0. The maximum effect obtained from the use of Siliplant universal and EkoFus. The highest yield was obtained in foliar processing of plants by Cytovit, Humate7B, and EkoFus an increase of green mass amounted to 3.9...of 8.8 t/ha, that of dry matter 0.95...2.7 t/ha in comparison to the control, depending on the level of soil fertility.
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