

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

July 12 2019

Поле	Значение
<b>Объект №1</b>	
Заголовок	THE MANAGEMENT METHODOLOGY FORMATION FOR THE INDUSTRIAL COOPERATION DEVELOPMENT OF THE EAEU ENGINEERING INDUSTRY IN THE CONDITIONS OF DIGITAL TRANSFORMATION
Аннотация	The industrial cooperation development management is complicated by collective management entities having a complex hierarchical management structure. This complication is common for the EAEU machinebuilding enterprises, many of which have a multilevel management system structure. At the same time, in multilevel systems there is specificity it is necessary to solve the tasks of the distribution of functions, powers and responsibilities. The research is focused on the formation of a new methodology for managing the development of industrial cooperation for the engineering industry of the Eurasian Economic Union in the context of digital transformation.
Автор 1	Belyakova, G.Y.
Место работы автора 1	Siberian Federal University Krasnoyarsk, Russia
Автор 2	Fokina, D.A.
Место работы автора 2	Siberian State University of Science and Technology Krasnoyarsk, Russia
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Объект №2	
Заголовок	WATER REUSE AND ITS REGULATION IN RUSSIA AND ABROAD
Аннотация	The purpose of this paper is to examine issues related to the reuse of treated wastewater, including an overview of international legislative framework regulating its reuse. It is shown that the practice of reusing treated wastewater is an important element for the sustainable development of water resources and an effective way to mitigate water stress and to solve environmental problems, compensating the negative impact of global climate change on urban ecosystems. Some features of regulation of water reuse as one of the possible alternative water sources in regions where they are limited are discussed. It is remarkable that there are lots of countries where formal institutions (rules of game) regulating the reuse of water are absent, and although their absence is filled in partly by informal institutions (traditional norms), a requirement in the formal regulation remains actual still
Автор 1	Yerznkyan, B.H.
Место работы автора 1	Central Economics and Mathematics Institute of Russian Academy of Sciences
Автор 2	Fontana, K.A.
Место работы автора 2	Central Economics and Mathematics Institute of Russian Academy of Sciences
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Объект №3	
Заголовок	METHODICAL INNOVATIONS FOR THE DEVELOPMENT OF INFORMATION COMPETENCE OF UNIVERSITY STUDENTS

Аннотация	The article discusses approaches to the definition of the concepts innovation in education, pedagogical innovation, didactic innovation, methodical innovation, which are connected with the digital transformation of society, which in turn influenced the character and accents in the development of students information competence high school. Based on the analysis of these approaches and taking into account the digitalization of education, the article emphasizes that methodological innovations for the development of information competence of university students are a complex of three interrelated components: targeted, meaningful, organizationalactivity, based on modern new paradigm and educational goals.
Автор 1	Tabachuk, N.P.
Место работы автора 1	Pacific State University
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<b>Объект №4</b>	
Заголовок	CREATING OF A BARRIER-FREE ENVIRONMENT FOR PEOPLE WITH DISABILITIES IN THE VOLGOGRAD REGION
Аннотация	In recent years, new technologies have been created in the Volgograd region, aimed at creating a barrierfree space for people with disabilities. An accessible environment is necessary for the safe movement of persons with disabilities and people with disabilities in the urban space, for their integration into society, for active participation in public life. The article presents a model of a barrierfree space for persons with disabilities and disabled people.
Автор 1	Skobelina, N.A.
Место работы автора 1	Volgograd State University

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Объект №5	
Заголовок	UP THE DOWN STAIRCASE**: VERTICAL INCOMPETENCE REFLECTIONS ON THE CURRENT STATE OF PUBLIC ADMINISTRATION IN THE RUSSIAN FEDERATION
Аннотация	For some time now, the vertical of power in Russia has become one of the main obstacles to the development of the socioeconomic system of the country. Blocking the channels of social circulation in a democratic society, as Russia declares itself, leads to stagnation and inevitable social upheaval. The actual inheritance of power by the spoiled offspring of those who plundered the country in the 90s, coupled with a moultage of social elevators, in which the high echelons of power are recruited by foolish young women, the only useful property of which is the willingness to support the company of the right people will not bring to good.
Автор 1	Lopukhin, V.Y.
Место работы автора 1	Doctor of Sociological Sciences, Professor Russia, Saratov
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Объект №6	

Заголовок	FEATURES OF DRAMATIC ART OF THE II HALF OF THE 19TH CENTURY AND INNOVATION OF PLAYS OF A.P. CHEKHOV IN REPRESENTATION OF DOMESTIC LITERARY CRITICS
Аннотация	The article discusses various approaches to the consideration of the dramatic art by A.P. Chekhov, highlights the main periods of studying his plays, gives traditional and new points of view on the features of the writers dramatic works reveals the attitude of literary critics of the second half of the 20th early 21st centuries. as to the person, and creativity A.P. Chekhov.
Автор 1	Novikova, A.A.
Место работы автора 1	Branch of the Far Eastern Federal University in Ussuriysk (School of Pedagogy)
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Объект №7	
Заголовок	FEATURES OF WRITING JIAGUWEN. PREREQUISITES FOR THE EMERGENCE OF CHINESE CALLIGRAPHY
Аннотация	Nowadays, the possibility of selfexpression is becoming increasingly important in society. One of the main tools that contribute to this is the costume. The history of the costume at each stage was closely connected with the art and geographical features of certain peoples. In the modern world, the integration of ethnic motifs into clothing, as well as the use of fragments in the decor, referring to authentic art forms, is becoming a frequent phenomenon. The art of Chinese calligraphy has become one of these arts, widely spread in costume design. Chinese calligraphy as an art form is an extensive topic that scientists from all over the world have been studying for thousands of years. Such interest contributed to the emergence of many works, books and articles on this topic, without

	consideration of which a fullfledged study in this area cannot be conducted. Scientific works of various authors were chosen as literary sources, among which Russian and Chinese researchers predominate
Автор 1	Chaikovskaia, A.V.
Место работы автора 1	SaintPetersburg State University of Industrial Technologies and Design
Автор 2	Zhang, M.
Место работы автора 2	SaintPetersburg State University of Industrial Technologies and Design
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Объект №8	
Заголовок	MODIFIED PROTOCOL OF THE OPEN FIELD TEST PERFORMING
Аннотация	Behavioral testing is widely used in the study of the nervous system and in preclinical studies of drugs that affect psychoemotional status and cognitive functions. One of the oldest methods of behavioral testing is the open field method. The basis of this test is the observation of the behavior of rodents in an enclosed arena marked in squares or sectors. The purpose of this work was to modify the open field test protocol for use in studies of the psychoemotional status of rodents. In the course of the experiment, 40 tests were conducted in an open field using a modified protocol, in which a polymer film was used to ensure the cleanliness of the installation of biological media. Modifications entered into the test protocol open field allow it to be effectively used to evaluate the behavior of laboratory animals. Using disposable replaceable plastic film, instead of cleaning the bottom of the installation with detergents before each testing procedure, allows to optimize the process of preparing the installation for the next test and eliminates distortion of the results by traces of the previous animals in the installation

Автор 1	Kravchenko, S.V.
Место работы автора 1	Kuban State Medical University, Krasnodar, Russia
Автор 2	Kazanchi, D.N.
Место работы автора 2	Kuban State Medical University, Krasnodar, Russia
Автор 3	Kade, A.K.
Место работы автора 3	Kuban State Medical University, Krasnodar, Russia
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<b>Объект №9</b>	
Заголовок	ONE WAY TO SOLVE THE PROBLEM OF FUZZY TEXT DUPLICATES DETECTION
Аннотация	The paper is devoted to solving the problem of fuzzy text duplicates detection. It discusses various methods of complete and fuzzy duplicates detection. To search for duplicates, either a limited collection of documents can be used, or the entire document space available on the Internet. To reduce the time for searching on the Internet, it is proposed to identify a set of key sentences on each page and compare texts on them
Автор 1	Sharapova, E.V.
Место работы автора 1	Vladimir State University
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Объект №10	
Заголовок	SOLVING LEUKOCYTES CLASSIFICATION TASK ON BLOOD CELL IMAGES
Аннотация	The research relates to the white blood cells or leukocytes classification task on blood cells images. Searching for the most reliable and effective way to solve this task has been an important problem for many years, because information about leukocytes in human blood contains an important data and can be used for assess human health, diagnose a patient or recognize the illnesses at an early stage. As part of this research WBC (white blood cells) classification with respect to its two classes mononuclear and polynuclear cells was studied. The first stage of the research was devoted to the formulation of the problem of solving the leukocyte classification task, the existing and applied methods for leukocytes classification were studied and its shortcomings were highlighted. For implementation of computer system, the leukocytes classification method based of the use of convolutional neural network was chosen and studied. For the program implementation of the application the Python programming language with machine learning libraries TensorFlow and Keras were used. The results of testing the implemented program showed high show high performance relative to the majority of existings methods for the white blood cells classification.
Автор 1	Chernykh, E.M.
Место работы автора 1	Belgorod State National Research University
Автор 2	Soynikova, E.S.
Место работы автора 2	Belgorod State National Research University
Автор 3	Mikhelev, V.M.
Место работы автора 3	Belgorod State National Research University

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Объект №11	
Заголовок	ENVIRONMENT, LIGHT AND GRAVITY WAVES. HYPOTHESES AND SUGGESTIONS
Аннотация	The article discusses the original ideas and hypotheses of the spread of light and gravitational waves, based on the paradigm of the ethereal Universe. Methods are proposed for measuring of light pressure, the speed of movement of the ether relative to the Earth and the absolute speed of the spacecraft
Автор 1	Sumachev, Y.N.
Место работы автора 1	Federal Budget Institution TestS. Petersburg, St. Petersburg, Russia
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