

# Biotechnology and Medicine

*L.Z. Gosteva, V.V. Sitnikova*

*Amur State University, Blagoveshchensk*

## **Socio-Medical Work with Tuberculosis Patients in Health Care Institutions**

*Keywords:* algorithm; disease; doctor; healthcare; treatment; medical staff; social worker; health and social work; tuberculosis; stages of treatment.

*Abstract:* The importance of tuberculosis as one of the major national and international problems is increasing. Social workers play a special role in the complex process of treatment of tuberculosis patients. To date, the use of social and medical technologies is an integral component in the implementation of TB control activities.

page 7-10

# Pedagogical Sciences

*O.V. Bobyleva*

*Katanov Khakass State University, Abakan*

## **Brainstorming as a Means of Developing Cultural Competence in the Study of Discipline “Algebra and Number Theory”**

*Keywords:* brainstorming; competence; matrix.

*Abstract:* The paper describes the possibility of using the method of brainstorming to check the development of competence in the discipline “Algebra and number theory” in the study of “Matrix” module.

page 11-14

*P.K. Vlasov*

*Institute of Applied Psychology “Humanitarian Center”, Kharkov (Ukraine)*

## **Ontology of the Concept of Organization**

*Keywords:* commercial behavior, concept, initiator, verbal image.

*Abstract:* The purpose of the study was to find the tendencies in the ontology of the concept of organization. Special method of analysis of the process of verbalization of the concept of organization was developed. The participants were surveyed to make judgments about the organization’s commercial behavior in the market. Having analyzed their interviews, we made the following conclusions: with the increase in socialization of entrepreneurs’ relations with market, the structure of the concept becomes more concentrated; the more structured the concept is, the more personified the business is; the role of organization and the personnel changes depending on the initiator’s stage of life cycle; simultaneously with the structuring of the market, the decrease in the need in safety and openness to changes is observed.

page 15-17

*D.N. Devyatlovskiy*

*Lesosibirsk Branch of Siberian State Technological University, Lesosibirsk*

## **Praxiological Knowledge of Students: The Nature and Content**

*Keywords:* praxiology; praxiological skills; student.

*Abstract:* This paper is aimed at solving pedagogical problems associated with the essence and content of praxiological knowledge of students. The essence of the concept “praxiological skill of a student” has been defined; the set of praxiological skills contributing to students’ success have been identified and described.

page 18-20

*I.V. Zhuykova*

*Kurgan State University, Kurgan*

## **Resistance to Stress as a Professional and Important Quality of Firefighters**

*Keywords:* strong-willed self-control, psychological stability, firefighters; resistance to stress.

*Abstract:* In the present article the concept “resistance to stress” from the perspective of professional importance for firefighters is considered. The results of the research into resistance to stress, psychological stability and strong-willed self-control of firefighters are presented.

page 21-24

*T.N. Kochetkova*

*Far Eastern State University of Humanities, Khabarovsk, Russia*

### **The Echo of the Past in the Present**

*Keywords:* power; state; citizen; activity; law; forlornness; slave.

*Abstract:* The article is devoted to the analysis of Aristotle's ideas, having received partial or well-grounded development in contemporary reality. The philosopher distinguished people with through the categories "forlornness" and "activities". The philosopher explained the essence of social vices manifested in slave's behavior, which was also typical of free people. In spite of social status people rush to power and benefits connected with considerable improvement of material position and acquiring of governance controls. Almost everybody wants to live a life full of pleasures, although the pleasures themselves together with means of their achievement are not always ethical. An ordinary person, deprived of citizenship, is doomed to passive existence, opposed to powerful strength of the government in the face of statesmen.

page 25-28

## **Historical Sciences and Archeology**

*A.V. ANDREEV, L.A. MAKSIMOVA*

*Syktvykar State University, Syktvykar*

### **The Specific of Creation of the Air Transport in Komi**

*Keywords:* airfields; air lines; air transport; cargo; GULAG; industrial development of European North-East; repressed experts; Vorkutlag; Ukhto-Pechora Trust.

*Abstract:* The development of aviation in the Komi Republic can be explained by the lack of transport routes and the need to implement plans of industrial development of the region. One of the special features of aviation was the fact that it was founded by GULAG, like many other industries in the Komi Republic. The authors reconstruct the events associated with the establishment of the first lines in Komi, analyze the level of the technical equipment of the air base, and show ways the problem of staffing was solved, by bringing in repressed specialists. One of the most important tasks for the development of air transport was the construction of airports, which was aggravated by the polar areas, the tundra. The location of the posts depended on the emergence of centers of coal and oil production in the province. The authors argue that the linear scheme for the construction of airports was not always justified; it excluded the use of previous experience which was related to the costs of forced industrialization.

page 29-34

*N.L. Antonova, M.V.Scherbakova*

*Ural Federal University named after the first President of Russia Boris Yeltsin, Yekaterinburg*

### **Youth Marriage Choice: Strategies and Factors**

*Keywords:* marriage; marriage choice; marriage choice strategy; marriage choice factors; young people.

*Abstract:* Using the findings of the sociological poll, the authors describe the features of students' and working youth's marriage choice. The main strategies of marriage choice are rational and emotional. The authors show the controversy of these strategies: on the one hand, the perception of marriage as a sign of stability and search for a potential marriage partner are manifestations of rational strategy and, on other hand, feelings and personal characteristics of a partner are signs of emotional strategy.

page 35-38

*O.A. Vasilchenko*

*Komsomolsk-on-Amur State Technical University, Komsomolsk-on-Amur*

### **State Policy on the Development of Russian Far East in the Second Half of XIX – the First Half of the XX Centuries: Historical Experience and Present Times**

*Keywords:* government policy; Far East; historical experience of the Russian Empire; family relocation; current state; the USSR.

*Abstract:* The author analyzes the basic principles of state policy on the settlement and development of the Far East region. The paper highlighted the methods of its implementation in the Russian Empire and the Soviet Union. The author describes the current state of the Russian Far East, resulting in information about the reduction of its demographic potential. The author believes that the preservation of the Far East of Russia is impossible without an increase in human resources in the region, it confirms the need for the family to carry out public policy development in the region.

page 39-41

*E.A. Vasilchenko*

*Komsomolsk-on-Amur State Technical University, Komsomolsk-on-Amur*

**The Role of Women and Family in the Settlement and Development of the Russian Far East (1860–1917)**

*Keywords:* woman; family; history; Far East; gender ratio; Russian Empire; resettlement; legislation.

*Abstract:* The author describes the demographic development of the Russian Far East in the second half of XIX – early XX centuries, associated with the beginning of the mass migration to the region. The author analyzes the characteristics of migration of the peasant population, constituting the bulk of the settlers, to the eastern outskirts of the country. The author gives information about multiple benefits to immigrants provided by the government. In the paper, on the basis of statistical information ratio of male and female population is given, its dynamics of change is characterized. The author draws conclusions about the importance of family and women in the region to secure the settlers and the reproduction of human resources.

page 42-44

*A.B. Korchagina*

*Gagarin Saratov State Technical University, Saratov*

**Leading Architects of Saratov at the Turn of the XIX–XX centuries (Kallistratov, Lukshin, Mufke)**

*Keywords:* architecture; Kallistratov; Lukshin; Mufke.

*Abstract:* The works of the leading architects of Saratov of the turn of the XIX–XX centuries are considered in this article. The author discusses the influence of general tendencies and directions in the architecture of that time on processes of urbanization and building of the city, and also the influence of the leading architects' works other architects.

page 45-47

*M.I. Kuznetsova*

*Ural State University of Railway Transport, Yekaterinburg*

**The System of the Concepts about the World in Art-Nouveau Era**

*Keywords:* space-time; art-nouveau; philosophy, art-nouveau architecture.

*Abstract:* The study describes the changes of philosophical concepts about space and time in the art-nouveau age. The change of scientific paradigms denominated at the beginning of 20th century is shown and analyzed. The influence of the special theory of relativity on the change of philosophical concepts about constancy of time and the relationship between space and time are analyzed. A parallel between philosophical and architectural concepts about time and space in modern is made.

page 48-51

*I.I. Nazipov*

*Perm Institute of Economics and Finance, Perm*

**Informative Potential of Sources in Investigating Political Relations of the Horde and North-Eastern Russia**

*Keywords:* charters of princes; sources; chronicles; Russian-Horde relations; travelers' messages; the khan's labels.

*Abstract:* The study of political ties requires a source of information giving the details of the events consistently and dynamically. Such source of information is chronicles. Foreign travelers' messages lack in information. They report on what interested the rulers of their countries – Horde army, war, change of the Khans. Only six khans' labels in the form of charters to metropolitans and some letter-labels to princes survived until our days. The labels were written according to the sample and did not show the real state of affairs. Testament and treaty charters highlighted internal princely problems. As for Russian-Horde relations, the information about them is brief and fragmentary, and insufficient generalized conclusions.

page 52-56

*A.V. Osmachkin*

*Armavir State Pedagogical Academy, Armavir*

**Kuban People's Views on Building Communist Society in the 1950–1960s**

*Keywords:* local authorities; orders; letters of proposal; massive construction of communism; Soviet society.

*Abstract:* In this paper, the problem of interaction of the power and Soviet society during the period between XXI and XXII congresses of CPSU is considered. As a result of the quantitative and qualitative analysis of proposal letters written by the Soviet citizens to authorities, the

page 57-60

author comes to the conclusion that the people were mostly interested in the questions of democratization of public life.

*I.A. Dobrovolskaya*

*Peoples' Friendship University of Russia, Moscow*

### **Providing Informational Support to Theatrical Objects in Russia: Communication Channels and their Effectiveness**

*Keywords:* the Bolshoi Theatre; Internet space; information support; information occasion; channels of communication; promotion of theatrical arts; social media; theatrical media market.

*Abstract:* The article evaluates the current state of the theatrical and performing arts in today's Russia. The author explains the necessity of providing informational support to theatrical objects. The scheme of this study of current media market's condition is determined in the context of theatrical art. The author gives her own classification of information events in the theatrical sphere and provides examples of each type. The author analyzed the materials in the Russian informational space and identified the main channels of communication, through which the public audience is targeted. Each of these channels is divided into sub-categories determined by the specifications of theatres' directions. The paper summarizes possible benefits for each of the investigated methods for informational support of a theatrical object. The results of the conducted research make a conclusion on the degree of presence of performing arts in the Russian media market; on the use of reviewed communicational channels for effective informational support.

page 61-66

## **Linguistics**

*E.V. Zaverkina*

*Far Eastern Federal University, Vladivostok*

### **Nomination of Devon Settlements during the Norman Conquest (Extralinguistic Factors)**

*Keywords:* place-name, oiconym; oiconymy; oiconymic etymon; oiconymic appellative; oiconymy formation processes.

*Abstract:* The article highlights oiconymy formation processes of Devon, the south-west county of England. Oiconym is a proper place-name of any kind settlement: a city, a town, a village, etc. The study of oiconyms has a great importance as the oiconyms have an inherent characteristic of keeping relict information fixed in appellatives of oiconymic etymons, which is lost in other strata of the vocabulary. Devon settlement names formation is analysed on two levels: linguistic and extralinguistic ones. This article investigates extralinguistic factors of Devon oiconymy creation of Norman Conquest.

page 67-71

*S.Sh. Radzhabova*

*Azerbaijan National Academy of Science, Nasimi Institute of Linguistics, Baku (Republic Azerbaijan)*

### **On Some of the Features of Formal Style in English**

*Keywords:* English; formal style; business standards; terms; cliché, kinds of text.

*Abstract:* The paper deals with the investigation of the functional and stylistic features of business English texts. The formal genre is discussed. Features of Business English are analyzed at lexical and syntactic levels of the language.

page 72-75

*E.A. Smolonogina, I.S. Nikitina*

*Herzen State Pedagogical University of Russia, St. Petersburg*

### **On the Semantic Structure of the Word "Nachhaltigkeit"**

*Keywords:* contextual relations; corpus linguistics; lexical semantics; semantic structure; text corpus; word meaning

*Abstract:* In this article we analyze the semantic structure of one of the most important German lexical items "Nachhaltigkeit" ("sustainable development" in English). The word is of extreme interest to linguists as its semantic structure is rapidly expanding, and dictionaries of the German language are not able to observe these changes. This paper is an effort to describe the semantics of the word using the text corpus COSMAS II of the Institute for the German Language (IDS Mannheim).

page 76-79

# Information Science, Computer Engineering and Management

*F.N. Muslimova*

*Dagestan State Technical University, Makhachkala*

## **Method for Evaluation of Information Resources Management of Law Enforcement Agencies**

*Keywords:* information resource; law enforcement agencies; expert evaluation; rapid analysis.

*Abstract:* The paper describes a method for evaluation of information resources management of law enforcement agencies on the basis of the rapid analysis of expert evaluations. The factors with the greatest impact on the efficiency of information management have been identified.

page 80-83

*A.S. Yakshina*

*Blagoveshchensk State Pedagogical University, Blagoveshchensk*

## **Special Cases of Spatially Inhomogeneous Riemann Boundary Value Problem**

*Keywords:* Riemann problem; Temlyakov-Bavrina integral type; spatial boundary value problem.

*Abstract:* The article provides examples of spatially inhomogeneous solutions of the boundary value problem of Riemann with constant and linear coefficients in the boundary condition. The solution of the problem are found in the form of Temlyakov-Bavrina integrals type I of the first order

page 84-92

## Machine Building and Engineering

*A.V. Voronin, I.R. Shegelman, P.V. Budnik, A.S. Vasilyev*

*Petrozavodsk State University, Petrozavodsk*

## **Through Material Flows in the Forestry Complex: Direction for the Development of New Objects of Intellectual Property**

*Keywords:* material flows; forest industry; forestry; intellectual property.

*Abstract:* The research showed that the development of through material flows in the forestry complex is the basis for the creation and protection of new objects of intellectual property using the technology for the timber industry and forestry.

page 93-95

*Ya.E. Lorsanov, M.U. Rashidov, Z.G. Tatasheva*

*Chechen State University, Grozny*

## **Green Areas in Conditions of Residential Landscapes in Grozny**

*Keywords:* planting; microclimate; bushes; air; residential landscape.

*Abstract:* The city is a natural and man-made system, a dynamic set composed of resident population, with their economic activities and development of the territory. However, the city is a natural and man-made system. The paper describes the main characteristics of vegetation which is in demand in urban areas, and considers varieties and types of vegetation recommended for normalization of environmental background in residential areas.

page 96-98

## Economic Sciences

*M.V. Beskaravayny*

*Tyumen State University, Tyumen*

## **The Role of the Oil Sector in the Russian Economy, Oil Dependence, the Resource Base, the Potential For Sustainable Development**

*Keywords:* economy; oil and gas sector; the world experience.

*Abstract:* Russia is often referred to as a country dependent on oil. Of course, the oil sector has in the proportion of the Russian budget a huge role, but nevertheless, Russia is actively developing a deep oil refining and is very advantageous looks at the background of the world's largest oil exporters.

page 99-103

*R.R. Muhimkhanov*

*Moscow Institute of Physical Culture and Sport, Moscow*

**Conceptual Directions of the Development of MBA Training**

*Keywords:* business education, management, MBA; system of business education; professional education.

page 104-110

*Abstract:* Business education is an important element in the education market. Its main task is the formation of a new type of business that can effectively solve complex and multi-faceted challenges constantly arising in the modern economy.

## Legal Science

*N.P. Nikonova*

*Surgut State Pedagogical University, Surgut*

**The Efficiency of Using Criminal Law Methods to Counteract Corruption**

*Keywords:* bribery; corruption; criminal law, sanctions.

page 111-115

*Abstract:* The paper examines the effectiveness and appropriateness of applying criminal sanctions in their modern edition for crimes punishable under Article 290 of the RF Criminal Code.

## Proceedings of the VIII International Scientific Practical Conference «Millennium Science»

### Pedagogical Sciences

*A.M. Dokhoyan*

*Armavir State Pedagogical Academy, Armavir*

**Communicative Competence and New Standards of Education**

*Keywords:* competence; competency; communicative competence; education; professional competence; Federal education standards.

page 117-120

*Abstract:* The paper discusses the concept of modernization of Russian education; one of the main priorities of higher education is to train professionally competent specialists. The acquisition of professional competence is achieved through the development of a number of competencies, which the author considers in the paper.

*S.B. Seryakova*

*Moscow state pedagogical University, Moscow*

**Current Competency Requirements for a University Professor**

*Keywords:* teacher's competency; competency-based approach to education.

page 121-123

*Abstract:* The article examines the current trends in higher education reforms that led to the changes in competency requirements for university teachers. The article describes the barriers of professional teacher's work.



## Historical Sciences and Archeology

*E.V. Astaschenko*

*Peoples' Friendship University of Russia, Moscow*

### **The Perception of Cinema in Russian Literature of the Early Twentieth Century**

*Keywords:* modern; decadence; symbolism; mysticism; irrealism; plan; storyboard; frame; film editing; synthesis of arts; allusions.

*Abstract:* The paper studies the mutual influence of cinema and literature of the first third of the twentieth century. Particular attention is paid to irrealism of perception and content of cinema at the beginning of XX century. Being a new form of art, it was perceived as something magic by exalted, mystically minded modernists; that could be explained by the new forms (film, filming on black velvet, lamination) and themes (expressionist films).

page 124-132

*Ihsan Gokjen*

*Azerbaijan University of Architecture and Construction, Baku (Azerbaijan Republic)*

### **The Principles of Urban Development of Turkic-Speaking Peoples (Pre-Seljuk Period)**

*Keywords:* architecture; Islam; Seljuk; urbanism; Central Asia

*Abstract:* The moving of Turks from Central Asia steppes to the West brought a new measurement to both society and the development of architectural and town-planning art of the Middle East. In early Middle Ages this quite large geographical area became center in the field of urban planning and development of many types of craftsmanship. Pre-seljuk period is characterized by the experience of construction of small settlements with populations which from nomads turned into settled tribes with their own traditions and housing. With the expansion of trade relations of these settlements to the other regions through ancient caravan routes, the activities of these settlements took more expanded character, covering such spheres as: construction, manufacturing, culture, agriculture and etc. Gradually, with the creation of primary elements of governance these settlements exacerbated intertribal strife and raids. This resulted in the need to build defensive fortress walls and ditches filled with water, which turned these cities into the fortress, that later became the main trade and cultural centers of the state. The development of architecture and urban planning in the Turkish cities at that time was guided by Islam, which with its ideology influenced both people's activity and formation of new types of architecture: religious, residential, public and palace buildings which were structurally organized elements of Turkish cities.

page 133-141

*M.V. Tsigler*

*Tula State Pedagogical University named after L.N. Tolstoy, Tula*

### **Barbarous Factor in Foreign Policy and Military Science of Bosporan Kingdom at the End of the III–IV Centuries AD**

*Keywords:* ancient world; antiquity; barbarians; Bosporan kingdom; Chersonese; Northern Black Sea Coast; Roman Empire.

*Abstract:* Article is devoted to influence of barbarians on foreign policy and military science of Bosporan kingdom at the end of III – the first half of the IV centuries AD. On the basis of the analysis of written sources the author researches the reasons of change in relations of the state with the Roman Empire and Chersonese. Gain of a role and influence of the barbarous people is defined as the main factor which had impact on development of Bosporankingdom during the late antique period.

page 142-149

## Machine Building and Engineering

*G.N. Voronkov*

*Tambov State Technical University, Tambov*

### **Innovative Technologies in the Market of Printed Products**

*Keywords:* innovative technologies in printing industry; printing speed; quality improvement of printed products; production costs; printing equipment.

*Abstract:* The level of printing in the country today is determined by the professional use of innovative technologies. Innovative technologies in the printing industry are developing in the direction of increase in the speed of printing, improving the quality of printed products and integrated solutions in the service area by increasing production and equipment costs.

page 150-152

*D.A. Katzai*

*South Ural State University (National Research University), Chelyabinsk*

**Optimization of Cutting Element Position of the Rotational Tool**

*Keywords:* cutter of column type; optimum angle; rotational tool.

*Abstract:* In the paper, the working body of the rotational milling unit with the cutting elements of column type is considered. By means of computer modeling programs the analysis of power interaction of the tool and the processed material is made. The optimum position of a cutter to the processed surface is shown.

page 153-157

## **Information Science, Computer Engineering and Management**

*D.A. Griбанov*

*St. Petersburg State University of Economics, St. Petersburg*

**Peculiarities of the Process Approach to Quality Evaluation of Metal Materials**

*Keywords:* ring samples; Magnetic pulse expansion method; quality evaluation; process approach; sector diagram.

*Abstract:* On the basis of the process approach a study of aluminum ring specimen quality was carried out under different modes of high-strain-rate by magnetic pulse loading. The quality evaluation of dynamically loaded metal materials was held by a sector diagram.

page 158-161

*L.M. Levshin*

*Siberian State Technological University, Krasnoyarsk*

**Using Risk-Based Approach at Industrial Enterprises (Part 1)**

*Keywords:* process; risk; risk management; risk-based approach.

*Abstract:* The paper gives guidelines for the assessment and management of risks associated with the delivery and quality of products.

page 162-167

## **Economic Sciences**

*O.V. Voronkova*

*St. Petersburg Humanitarian University of Trade Unions, St. Petersburg*

**The Development of Social Identity and Social Support Concepts in Russia**

*Keywords:* revival of a unified national idea; idea of patriotism; social identity; consolidation of Russians.

*Abstract:* The concepts of patriotism and social unity of people have always been in the center of ideology in Russia. Today, the problem of finding the basis for the national idea and social identity has become extremely urgent; the future of spiritual capital and the unity of the nation rely on the solution of the above problem.

page 168-172

*M.A. Guryeva, A.V. Matsenko*

*Tyumen State Oil and Gas University, Tyumen*

**Ural Federal District: the Green Economy**

*Keywords:* green economy; low-carbon economy; state policy in the field of environmental development of the Russian Federation.

*Abstract:* The paper discusses the concept of green (low carbon) economy and its application in the territory of the Urals Federal District; the authors highlighted the main directions of state policy in the field of environmental development of the Russian Federation.

page 173-176

*E.E. Tarando, N.A. Pruel, O.A. Nikiforova*

*Saint-Petersburg State University, St. Petersburg*

**On the Model of Public Property in Primitive Economy**

*Keywords:* primitive society; public property; domestic tradition in the analysis of primitive economy property; western tradition in the analysis of primitive economy property; public property.

page 177-183



*Abstract:* In the paper, the model of public property in the conditions of primitive economy is analyzed. The social mechanisms of reproduction of human life in primitive society and corresponding organization of property relations are considered. The authors criticize the economic theory of property rights with regard to the absence of property relations as such in conditions of a primitive society.

*Wu Songjie*

*Shandong Pedagogical University, Shandong (China)*

**Marketing of Innovation Projects**

*Keywords:* marketing; organization; accounting; planning; coordination; control; motivation for innovation; innovative project.

*Abstract:* The paper considers marketing innovation management. In modern economies, a combination of several functions such as marketing, organization, accounting, planning, coordination, control, and motivation are used.

page 184-186