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| 1   | **Study on avian diversity of Thal desert (district Jhang), Punjab, Pakistan**  
Shahid Mahboob* 1,3, Zaib-U-Nisa2, Alkahem Al-Balawi, H. F 1, Fahad Al-Misned1, Z. Ahmad1 and S. Sultana 3  
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**Abstract:** Thal Game Reserve area of district Jhang was surveyed from December, 2008 to November, 2009 on the monthly site visit basis to study the population of wild bird species of the area. The survey method included on site direct observations with the naked eye in the morning and evening. Two transects i.e. one of 10 km in length and 500 m in width for larger birds, whereas second of 10 km in length and 200 m in width for smaller birds were studied. Seventy six plant species belonging to twenty five families were recorded from the area. All these plant species supported the population of avifauna directly or indirectly by providing food, water, shelter, roosting or parching. We recorded 55 bird species belonging to 42 genera from 28 families representing 13 orders from the area. Among these species 13 bird species were migratory and winter visitor, 5 migratory but summer breeder, 1 ordinary migrant and 36 residents which were found throughout the year. A total of 2550219 birds was estimated in the Thal Game Reserve area. The maximum population of birds was estimated during the month of December, 2008 (11.13%) and January, 2009 (10.57%) whereas the minimum population of birds was estimated during April (4.30%) , May (5.82%) and June, 2009 (6.7%). The maximum diversity in the avifauna of Thal desert was found during the summer (D=0.11) and autumn (D=0.11) seasons while minimum during spring (D=0.14) season. Illegal hunting, livestock grazing, tree and bush cutting for fuel wood collection, shortage of food and water during summer and vegetation exploitation were recorded the major threats to wild fauna of the area. It was concluded that there is an urgent need to safeguard the very fragile ecosystem and overall biodiversity of Thal desert through management planning of the area.  


**Keywords:** Bird; Game Reserve; Migratory; Hunting; Species |

| 2   | **Psychology-Pedagogical Basis of Forming Pupils Healthy**  
Talgat Abubakirovich Daniyarov, Kamalbek Meirbekovich Berkimbai, Alina Kuandykovna Bimaganbetova, Maksat Suyundykovich Moldaliev, Mariya Botaevna Djazdykbaeva, Gulsara |

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Abstract: The article deals with psychology-pedagogical basis of forming a pupils (younger pupils, teenagers, and senior pupils) healthy lifestyle. The authors analyzed the literature on psychology and pedagogy on the given topic and performed the work on organizing of the experiment. In the experiment 516 pupils participated in age from 6 to 17 years. The article gives the concepts and a concrete schedule of upbringing of a healthy lifestyle in the process of out-of-school activity. Pedagogical project of the system of complete upbringing of a pupils healthy lifestyle in the course of out-of-school activity it is provided the definition of specific objectives developing literacy about a healthy lifestyle, sensibleness of a healthy lifestyle and the behavior corresponding to a healthy lifestyle, in unity of the contents, forms and methods of their development and self-development in the activity directed on keeping a healthy lifestyle. The article also shows the results of the carried out experimental work among schoolchildren.


Keywords: school, a pupil, a healthy lifestyle, sports, a habit, self-education, psychological-pedagogical concept, innovation, people.

Modification of the glassy carbon electrode with Multi-walled carbon nanotube/1, 4-dihydroxy Anthraquinone/chitosan As a potentiometric pH sensor

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Abstract: In this study, the electrochemical behavior of 1, 4-dihydroxy anthraquinone (Q) is investigated with cyclic voltammetry (CV) technique at glassy carbon electrode (GCE) in different pH. The results have been shown one redox wave in aqueous solution and the redox wave shifted to negative potential with increasing pH. The half potential (E_{1/2}) for redox wave was linear in the pH range form 1.5 to 7.0. A modified glassy carbon electrode (GCE) is prepared using an appropriate mixture of Q/multi-walled carbon nanotubes/Chitosan. The electrochemical behaviors of sensor were studied in different pH. The half potential (E_{1/2}) of the redox wave was shifted to negative potential with increasing pH. It is found the E_{1/2} for redox wave was linear over a range of 11 pH units in pH range between 1.0 and 12.0 the values of correlation coefficient and RSD are 0.997 and 1.99% respectively which is so better than previous method. [Meisam Asghari. Modification of the glassy carbon electrode with Multi-walled carbon nanotube/1, 4-dihydroxy Anthraquinone/chitosan As a potentiometric pH sensor. Life Sci J 2013;10(10s):16-18]. (ISSN:1097-8135). [http://www.lifesciencesite.com] 3

Key words: multi-walled carbon nanotubes, Chitosan, pH sensor, 1, 4-dihydroxy anthraquinone

Feasibility Study of Tourism Development Impacts on Stable Regional Development Dimensions: The Case Study

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Abstract: Without a doubt one of the most important challenges the region programmers are facing in many countries are issues related to sustainability and sustainable regional development. There are several factors that could have influenced the sustainable development in the region. One of these factors could be tourism and its consequences. Comprehensive study of the impact of tourism in the region requires a regional study in the context of sustainable development. District of Kandovan Tourism with over 850 years of being in the western foothills of the Sahand Mountains in the East Azerbaijan province has an influential impact in attracting Tourism and regional & national development by diverse and pristine nature and cultural and historical authenticity. The present study reviews the concepts of sustainable tourism, sustainable development implications of tourism on the region. This method is based on analytic methods for data collection and data archival and field methods have been used. Statistical Society is Tourism and tourists as well as residents and officials in the region that Cochran method is being used to determine the number of samples. Achieved sample size is 341 people from a random distribution of the questionnaire. Results gathered represent that despite positive economic impact on some aspects of the social and environmental aspects, results are often negative that help to regional instability.


Keywords: Tourism, Sustainable Development, Sustainable Regional Development, Kandovan Tourism Area

The Effects of Allium porrum and Medicago sativa on Iron Concentration in Thalassemia

Serums

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Abstract: Iron overload is a major problem in Beta thalassemia patient due to regular blood transfusions. Regularly iron chelation is more recommended after 10-20 blood transfusions practice or when serum ferritin is more than 1000 ng /ml. The aim of present study was evaluated of chelating activity of Allium porrum and Medicago sativa. Materials and Methods: The total phenol, antioxidant activity and chelation capacity of plant extracts were estimated. For in vitro study of iron chelating, plant extracts were expose with serum thalassemic for 2h. Results: Total phenolic content and antioxidant activity in Hydro- alcoholic and phosphate buffer extracts were reported with maximum and minimum contents respectively. Iron content in thalassemia and control serums was estimated 181.6 ± 18.1 and 87 ± 17.3 respectively. A significant difference was found between iron concentrations in absence and presence extracts p<0.001. Iron levels in normal and thalassemia significantly reduced when exposed with plants extracts especially in Medicago sativa in phosphate buffer p<0.001. Iron concentration in serums control (86.9) after mixed with Medicago sativa phosphate buffer extract 66.2 ± 4.07 and Allium porrum phosphate buffer extract 75.2 ±6.8 were reported. Conclusion: Medicago sativa and allium porrum with high iron chelating activity was a good plant chelator for in vitro study. These extracts can be a candidate for treatment of iron overload.


Key words: β- Thalassemia major, iron chelating, Iron overload,Medicago sativa, Allium porrum

Assessment of pesticide residues in water, sediments and muscles of Cyprinus Carpio from Head

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Balloki in the River Ravi

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Abstract: The present study investigated the presence and potent source of pesticides and specific pesticide bearing effluent release points on the River Ravi at Balloki Headworks (BH). The levels of selected organochlorine and nitrogen containing pesticide residues were assessed in water, sediments and muscle tissues of Cyprinus carpio of five different weight groups collected from five different sampling sites on the River Ravi at BH by using HPLC (Reverse phase chromatography). Six pesticide residues viz., endosulfan, carbofuran, cypermethrin, prophenophos, triazophos and deltamethrin were detected in muscle tissues of Cyprinus carpio. The endosulfan and profenofos were the most abundant pesticides recorded in the fish tissue. Profenofos and cypermethrin were dominant pesticides recorded in the water samples from the River Ravi at BH. Cypermethrin and triazophos were not detected in the sediment samples.


Keywords: Fish; HPLC; River Ravi, pesticides; sediments; water

Studies on Feeding Ecology of fresh water fish (Barbus arabicus) Dwelling in "Beesh Dam", Jazan, Saudi Arabia.

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Abstract: A study was conducted to examine the feeding ecology of Barbus arabicus, a fish species endemic to Saudi Arabia. The specimens of B. arabicus were collected from Beesh Dam, Jazan region. The various types of food recovered from the stomach of fishes indicated that it is an omnivorous fish. The results obtained indicated that this fish species prefer to feed on phytoplankton mostly on the members of bacillariophyceae. There were insignificant differences in the quality of food consumed by the fishes of different size groups. The frequency of occurrence of various food items in the diet of B. arabicus of various sizes was high. The higher values of diet overlap index showed the sharing of various food items by B. arabicus of different sizes. The highest overlap index (0.98) was recorded in winter between group1 and group3 whereas the lowest (0.67) in fall between group2 and group3. The diet breadth index for all size groups were between 0.30-0.588 and showed little variation among the fishes of various sizes in different seasons.


Key words: Freshwater fish, diet overlapping, diet breadth index, frequency of occurrence

Stock Market Liquidity, Firm Characteristics and Dividend Payout

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Abstract: Firms have two choices about earning: paying out as a dividend, or reinvestment as a retained earnings. In a market without any restrictions on trading, rational investors with liquidity needs can choose between dividend and selling stocks at no cost. In this article the relationship between turnover, considering free float as liquidity criterion, and the amount of dividend payout is investigated and the firm characteristics including size, profitability and growth opportunities are controlled. The result of the linear regression model shows that the investors in Tehran Stock Exchange (TSE) do not consider stock turnover rate as a variable which explains the amount of dividend. Also, the relationship between size and growth opportunities with dividend has not been confirmed; but profitability has a positive significant relationship with dividend. On the other hand, investors in TSE use the profitability as a criterion to determine the dividend.


Keywords: Dividend Payout, Trading Volume, Free Float Stock, Firm Characteristics

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A Comparison of Selective Attentions in Equilibrium-oriented and Non-equilibrium-oriented Parent-Child Relationship Patterns in University Students

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Abstract: Introduction and objectives: since the relationship patterns play an important role in the future life of children, the present study aims at studying the effects of equilibrium-oriented and non-equilibrium-oriented (freedom-oriented, security-oriented) patterns in parent-child relationships on the basis of selective attention (focus) in Sabzevar State University. Methodology: to this end, a sample entailing 367 students of Medical University and Hakim Sabzevari University in Sabzevar were randomly selected. The required data were collected using Bagheri’s parent-child relationship patterns questionnaire and d2 test. Findings: the ANNOVA revealed that the students who follow equilibrium-oriented relationship with both parents significantly enjoy a higher selective attention than the ones following non-equilibrium-oriented relationship with both parents. In addition, the efficiency (information processing speed) is significantly higher in these students. Conclusion: it could therefore be said that the parents grow purposeful children using a higher selective attention, which serve as a prerequisite to purposeful activities, by paving the grounds for the formation of rules, experience, individuality, and self-acceptance in children.


Keywords: child-parent relationship pattern, selective attention, university student

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Food Groups consumption and Macro and Micro-Nutrients Intake among Primary School Students in Torosk Village of Sabzevar

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Full Text
Abstract: Background: Assessment of dietary intakes among different groups and population is important for improving the health status. This study determines food group and nutrients intake among Primary School Students in Torosk Village of Sabzevar. Materials and Methods: This cross-sectional study was conducted on elementary students in Torosk village, sampling method was census. A validated semi quantitative food frequency questionnaire was used. Student’s diets were analyzed by Nutritionist IV software. Collected data was analyzed by SPSS software and descriptive statistical tests. Results: In this study, 78 primary school students in Torosk village were participated that 42 (53.8%) female and 36 (46.2%) were male. Age range 7-12 years, mean age 10.01 ±1.46 years, mean weight and height were 23.27 ± 4.41 kg and 124.64 ± 8.41 cm, respectively. Calcium, zinc, vitamin D and C intake lower than the Recommended Dietary Allowance (RDA) (P <0.05). Conclusion: This study showed that Students had lower amount of some micronutrients.


http://www.lifesciencesite.com

Keywords: Student, food, nutrients, Torosk, Iran

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Presenting a conceptual model for innovation development in organizations

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Abstract: Organizations require improving innovative methods and creating new positions to develop. Human resource management (HRM) could play a vital role in providing required conditions to conduct people in development of innovative activities. By development of innovative activities, organizations are faced with more instability in innovation process and would require creative staff with flexibility against uncertainty and ambiguity, so there should be more emphasis on these characteristics in their functions and performance. Organizations could encourage employees to creative thinking and innovation by some human resource management functions, such as recruitment, training, participation, performance evaluation and reward systems. Innovation power of an organization is closely associated with its ability to use its knowledge resources. Innovation process involves acquiring, sharing and applying new and available knowledge. Human capital with its knowledge, expertise and skill is a valuable organizational resource. Organizations that effectively enhance employees’ latent knowledge and expertise would be able to create more innovative ideas. So to recognize effective factors in organizational innovation, different aspects of each factor was identified using descriptive method. And a conceptual model is presented to develop innovation in organizations. This model suggests that knowledge management is as a catalyst for human resource management and organizational innovation relation. Accordingly, human resources management affects on innovation through its functions in knowledge management. It means that organizations can use a set of human resources functions, to foster knowledge acquisition, sharing and applying level, and this leads to accelerating and improving employees’ adherence to organizational innovation.


Keywords: innovation, human resource management, knowledge management, innovation development, conceptual model.

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Infectious lesions of oral cavity in HIV patients: A Review

Iman Ghasemzadeh 1, Forugh Mahmoodi 2, Mohammad Esmaeil Shahrzad 3, Rokhsareh Zare Shahri

Full Text
**Abstract:** Oral lesions of patients infected with human immunodeficiency virus (HIV) are a leading cause of morbidity among afflicted patients. In this study we summarized the most prevalent oral infections among HIV patients and the appropriate treatments. The most common infection is candidiasis followed by viral infection. The oral lesions have direct association with CD4 lymphocyte count. Also, these conditions are seen less in populations with ART medications. HIV infected patients with oral lesion should be diagnosed and receive appropriate treatment.


**Keywords:** Oral Ulcer; HIV; Infection

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**Comparison of C-Reactive Protein Concentrations of Patients with Preeclampsia and Normal Pregnancies**

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**Abstract:** Preeclampsia is one of the complications of pregnancy and is one of the most important causes of maternal and fetal death. This disease usually occurs after the 20th week of pregnancy. Hypertension, proteinuria and different degrees of end organ damage may be present in this disease. The aim of this study was to compare CRP levels in normal pregnancies with pregnancies involved with preeclampsia. This was a cross sectional study that was conducted in 2012 among pregnant women who attended Shariati Hospital of Bandar Abbas. About 200 participants were included in this study and were divided into three groups with a 1:1:2 ratios. Blood samples were taken from all the participants and the CRP level was measured by the Latex Agglutination test. Data was analyzed with SPSS v.21 software using t-test and descriptive statistics. The CRP level was 17.858 ± 19.7457 in patients of the severe group, 15.106 ± 18.2851 among the mild group and 6.576 ± 7.5491 among the control group. The differences between the CRP levels of the three groups were statistically significant (P < 0.001). On the other hand the difference of the CRP levels of the severe and mild preeclampsia group was not significant (P-value > 0.05). Our results show that CRP can be known as a risk factor for preeclampsia among pregnant women. Although performing a systematic review is necessary for establishing it as a routine test.


**Keywords:** Preeclampsia, C-Reactive Protein, Case-Control Study.

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**High Troponin I Level among Patients with Severe preeclampsia**

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Abstract: Hypertensive disorders of pregnancy are still one of the major issues of obstetrics. Few studies have been conducted on the troponin level of pregnant women and the results of these studies are not conclusive, therefore we aimed to investigate the difference between its level among patients with severe preeclampsia, mild preeclampsia and normotensive pregnant women. This was a case control study that was conducted on all pregnant women who attended Arash Hospital in 2011-12. In this study, 144 samples were allocated into three groups. For each patient, age, body mass index (BMI), gravidity, parity, liver enzymes and platelet counts were collected and the troponin I level was measured in Shahid Rajai laboratory. The level of troponin I was normal if it was below 0.01. The troponin I level of none of the participants of control group was abnormal. Among the patients with mild preeclampsia, only one patient (2.08%) had high levels of troponin I and in the third group, 7 (14.58%) had high levels of troponin I. The difference between the troponin I levels of the severe preeclampsia group and the control group was significant (P=0.01). On the other hand, no significant difference was observed between the other groups (P>0.05). According to the findings of this study and similar studies, troponin I levels increase more in patients with preeclampsia compared with normotensive pregnancies.

Keywords: Preeclampsia, Troponin I, Case-Control Study.

C-Reactive Protein and Preterm Labor, a Case-Control Study

Abstract: About 75% of prenatal mortality and morbidity is related to preterm labor and infection is a leading cause of preterm labor. Fast, non invasive and simple assessments can predict intrauterine infections in women who have no symptoms. Previous studies have shown relations between serum CRP, MMP-9, IL-6 and preterm labor. However, few studies have been conducted to evaluate the relationship between these markers and preterm labor among pregnant women. The aim of this study was to evaluate the relationship between CRP levels and preterm labor. This case control study was conducted in 2012 in Shariati Hospital of Bandar Abbas. One hundred pregnant women with a gestational age below 37 weeks were enrolled in the case group and 100 pregnant women with term deliveries were enrolled in the control group. Patients with diabetes, hypertension, premature rupture of membrane, BMI above 30, and infections were excluded from the study. Blood samples were taken from all the participants to assess CRP levels. Demographic data were also collected. Data was analyzed by SPSS v. 16 using logistic regression, descriptive statistics and odd’s ration. Among 200 participants, the mean age of the participants was 25.91 ± 6.308, and 26.93 ± 5.495 for the case and control group, respectively. The mean CRP level was 19.5082 ± 20.2566 and 6.1467 ± 5.2827 for the case and control group, respectively. This difference was significant (P<0.0001). The results of this study showed that CRP levels can predict preterm labor. However, more studies are necessary to
A Note On Proper Teleparallel Homothetic Motions Of Well Known Spacetime Using Non Diagonal Tetrad

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Abstract: The aim of this paper is to find proper homothetic motions for Einstein universe in context of teleparallel theory of gravitation. We have chosen non diagonal tetrads for the above spacetime and applied direct integration technique to obtain teleparallel homothetic motions. It comes out that the above spacetime do not admit proper teleparallel homothetic motions for the choice of non diagonal tetrad field.

Keywords: Teleparallel theory, Tetrad fields, Proper teleparallel homothetic motions.

Civil society organizations: nature and their role in rural development (A case study of Hazara region of Pakistan's Khyber Pakhtunkhwa province)

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Abstract: Efforts by the state to reduce poverty and improve rural livelihoods in the Khyber Pakhtunkhwa (KP) province of Pakistan in general and mountainous regions of the province in particular have gain modest success. The vacuum created by the state and non-government organizations (NGOs) regarding rural development is (sometimes) filled by so called ‘organization’ including village level and religious non-profit organizations. Such organizations claim that they are deeply rooted in the traditional and religious culture of the province, and that they are in a better position to address the issues related to prevailing rural poverty and inequality in the marginalized areas. These organizations and social movements even challenge the state departments in providing basic services to the rural communities. This paper, examined the social organizations in a broader perspective of civil society movement. The data were collected from Abbottabad and Mansehra district of (former) Hazara division of KP. The results showed that the organizations working in the study region can be broadly classified into three categories; the organizations working for rural development/human rights, cultural identity and religious identity. Majority of the organizations was working in both rural and urban areas. It was found that these organizations mostly relied on voluntary staff. In most of the cases, at district and provincial level, these organizations had linkages and networking with other organizations on different issues e.g. for child rights, women rights, rights of forest users and owners, rights of growers and landless labourers.

**Salinity Effects on External and Internal Morphology of Rose Geranium (Pelargonium graveolens L.) Leaf**

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**Abstract:** Salinity is an environmental condition that induces stress on plants especially under high soil salts levels. It limits crop metabolic activities, hampers plant growth and synthesis of secondary metabolites. It also affects osmotic potential in the plant root zone. A complete randomized block design was used to evaluate the effect of salinity applied at 1.6, 2.4, 3.2 and 4.0 mS cm\(^{-1}\) on external and internal morphology of rose geranium (Pelargonium graveolens L.) leaf and treatments were replicated three times. Scanning electron microscopy (SEM) and transmission electron microscopy (TEM) were used to evaluate the morphology of the leaf. Salinity levels induced the development of capitate trichome. Abaxial leaf position had the highest number of trichomes than the adaxial leaf position. A strong polynomial \((r^2=0.97)\) relationship was found between capitate trichome and salinity. High densities of capitate trichomes were found at a high salinity level. Although the development of asciiform trichome was induced, it was in an insignificant level, trichomes densities are therefore not affected by salinity. It was therefore concluded that rose geranium might have some degree of tolerance to salinity.


**Keywords:** Rose geranium, salinity, SEM, TEM, trichome

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**Power Indicators of Bar Abrasive Processing**

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**Abstract:** Energy approach in modelling of the process of superfinishing allows you to create a more universal model of the process that allows the search of new directions of perfection of technology of final precision processing of a wide range of parts. Factor to energy of single cut abrasive grain at bar to abrasive processing - as generalized factor of cut, since takes into account and power of cutting, depth, length, and volume of single cut is considered in the article. Each of these factors characterizes the cut on the one hand, but factor to energy of single cut characterizes the nature of cut by abrasive grain as a whole.


**Keywords:** bar abrasive processing, superfinishing, energy of cutting, cutting moshchnost

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**The Concept of Universalization in the Law of the Constitution**

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**Full Text**
**Abstract:** Talking about the concept of universalization in the Law of the Constitution, we should first note that it is directly connected with the theories and concepts of universalization developed under the frameworks of other sciences and departments of knowledge. The studies of universality predetermined outcome in the regularities of the social developments were made through the logic of adverting to the socio-cultural tendencies which are responsible for the exertion of universality as social characteristics. The significant tendency of universalization of the world is the tendency of globalization, the studying of which is based on the concept of the postindustrial society, post-national world and phenomenological compression characterized by the turnover and precarity of modern times.


**Keywords:** rights, freedoms and liabilities of personality, guarantee of the rights, principles of constitutional status of personality.

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**Abstract:** Shakarim Kudaiberdiev is one of the Kazakh poets, who possess great skills of writing with a whole beauty of the words, content-richness of the text, and depth of knowledge and art novelty which is transferend into the text. Words which are rhymed in his own way show deepness of thoughts in his own works. Shakarim is a poet, a thinker and a person who raised a word art on a new level. For today, objective of the Kazakh literature as science is the overall studying of Shakarim’s heritage. We know poetic skills of Shakarim Kudaiberdiev very well, his direction in a native literature and a unique style of his works. Looking at features of rhyming, dividing Shakarim’s lyrics on the sociopolitical lyrics (in the same place the philosophical lyrics, at the same time, educational, civil and instructive), the sincere lyrics, lyrics about the nature, we were convinced that works of the poet is very difficult creations.


**Keywords:** lyric, Kazakh Literature, Shakarim introduction (Shakarimtanu - Reading and exploring the Kazakh poet Shakarim Kudayberdiev’s works).

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<th>Development of ways of strategic management system improvement of the information and telecommunication sector companies of the Republic of Kazakhstan</th>
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**Abstract:** In the article questions of information and telecommunication companies strategic management in Kazakhstan were considered. The condition of strategic management level in the
enterprises of Kazakhstan at the present stage is analysed. Strategic problems in information and technological area are considered, stages of preparation of strategy management in information and telecommunication company.


Keywords: Strategic management, information and telecommunication systems, efficiency, innovative management.

Growth and body composition of catfish Heteropneustes fossilis fed testes 3X supplemented diet

Zubair Ahmad

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Abstract: Supplementation of the minced meat diet with a homoeopathic glandular preparation (Testes 3X) promoted growth of catfish Heteropneustes fossilis and increased the tissue concentrations of RNA, protein and glycogen. DNA content per unit weight of tissue declined. Presumably, cellular DNA content remained constant. Testes 3X ingredient caused lipolysis and hydration in the body tissue. RNA/DNA ratio emerged as an index of the living condition of fish. Specific growth rate, Food conversion efficiency and food quotient were enhanced after the supplementation of testes 3X.


Keywords: Fresh water fish, growth, testes 3X, RNA, DNA, protein

Anxiety and Aggression Disorders of Children with Chronic Kidney Disease on Regular Hemodialysis

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Abstract: Background: Chronic hemodialysis is an established treatment of end stage renal disease which maintains the lives of individuals who otherwise would have succumbed to a uremic death. However, this method of treatment raises certain psychological, social and ethical issues, anxiety and aggression are the most common disorders. Aim: to evaluate psychological problems including aggression and anxiety disorders in children with chronic kidney disease (CKD) on regular hemodialysis compared to children with attention deficit hyperactive disorder (ADHD) and healthy children. Patients And Methods: this study included 20 children with CKD on regular hemodialysis, and 20 children with ADHD, they were selected from hemodialysis unit and psychiatric departments of AL -zahraa hospital, Al-Azher university. Also the study included 20 healthy children age and sex matched as a control group. Aggression and anxiety scores (CAS) were assessed for all the participated groups. Results: the mean aggression scores sowed higher degrees in children with ADHD and CKD patients compared to the control group. Anxiety score was higher in CKD patients on regular hemodialysis compared to children with ADHD and the control group. Aggression and anxiety has been found in 100% of CKD patients. A significant positive correlations between the presence of aggression and anxiety and the duration of hemodialysis. Conclusion: psychiatric disorders, mainly anxiety are prevalent in our CKD patients on regular hemodialysis. A significant positive correlation between aggression and anxiety scores and the
duration of hemodialysis so bring attention to the severity of medical illness that can be of great influence in the child behavior and planning treatment strategies is essential to improve treatment outcome.


**Keywords:** Aggression, anxiety, ADHD, CKD, hemodialysis

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<tr>
<th>1.14C Linoleoyl-COA Desaturation into Diverse Lipid Classes of <em>Dracocephalum moldavica</em> Cotyledons</th>
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<td>MOHAMMED ABDEL-REHEEM&lt;sup&gt;1, 2&lt;/sup&gt;*, AND DAVID HILDEBRAND&lt;sup&gt;3&lt;/sup&gt;</td>
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<td>1 Research Center, College of Science, King Saud Univ., Riyadh, KSA, 2 Biochemistry Dept. Faculty of Agric., Ain Shams Univ., Cairo, Egypt; 3 Plant Science Dept., University of Kentucky, Lexington, KY 4056-0091, USA</td>
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<td>Abstract: To elucidate factors that contribute to the high 18:3 content of <em>Dracocephalum moldavica</em> (<em>D. moldavica</em>), a pulse-chase study of radiolabeled 14C linoleoyl-CoA was carried out at an early and late stage of embryo triglyceride (TG) synthesis. In <em>D. moldavica</em> 14C-18:2 incorporation in PC increased and 14C-18:3 decreased, meanwhile the opposite was observed in TG (the incorporation of 14C-18:3 in TG is two-fold that of 14C-18:2 in PC). This suggests that both ω-3 desaturase is effectively desaturating 14C -18:2 in PC and acyltransferases are selectively transferring 14C -18:3 into TG. Also 14C -18:3 increased in <em>D. moldavica</em> TG indicates that most of the 18:2 was desaturated to 18:3 before transfer to the free fatty acid/acyl-CoA pool in <em>D. moldavica</em>.</td>
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<th>Incorporation of 14C 18:2 into Different Lipid fractions of <em>Glycine max</em> Cotyledons</th>
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<th>Effect of Adding Risperidone to Fluoxetine in Treatment of Obsession Compulsion Disorder Patients</th>
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Abstract: Obsessive-compulsive disorder (OCD) has the lowest response to treatment among anxiety disorders. Although specific serotonin reuptake inhibitors are effective in the treatment of this disorder, about 50% of these patients experience no improvement by these medications. According to the lower response of OCD to treatment compared with other anxiety disorders, the goal of many studies is to use additional treatments. This study aimed to evaluate the effect of adding risperidone to fluoxetine in these patients. In a double-blind randomized clinical trial, one group received the treatment with fluoxetine-placebo while another group was under treatment with fluoxetine-risperidone. The “Yale–Brown Obsessive Compulsive Scale” was used to assess obsession severity before treatment, 6 weeks and 12 weeks after treatment. 88 patients with OCD (cleaning obsessions) were involved in the study. The cure rate was compared in the two groups by using Friedman, Chi-square, U Mann-Whitney and t tests. In this study, 6 weeks after the treatment, cure rate with risperidone in 12 patients (66.7%) was higher than the placebo in 6 patients (33.3%). However, after that the mean of Yale–Brown Scale in the two groups was similar (15.2 (6.0) vs. 15.2 (5.1); (P=0.982). According to the present study, adding risperidone to fluoxetine did not have a long-term effect on increasing the response to treatment in patients with OCD.

Key words: obsessive-compulsive disorder, fluoxetine, risperidone.
### Geochemical characterization of Middle Eocene sediments in Helwan area, Greater Cairo, Egypt

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**Abstract:** The Middle Eocene sediments of Qurn and Wadi Garawi formations exposed in the area east of Helwan have been categorized on geochemical basis. Major oxides and trace elements, including the REE, were determined by ICP-MS. This work focuses on the role of the clastic admixture and diagenetic processes on the geochemistry of the marine carbonates. The normalization of the clay-rich limestone to the almost pure limestone points to the significant role of clay admixture as prominent accumulator of trace elements, especially Cu, Pb, Ni, U, Th and REE. The analyzed sediments were generally depleted in Ce, suggesting an influential role of marine conditions, especially when clayey and ferruginous materials are not abundant. The marine versus terrestrial character was best documented by the Y/Ho ratio in the studied sediments. Heavy metals such as Cr, V and As were scavenged by the ferruginous material. The recrystallization of carbonate leads to purification of carbonate sediments, hence, the depletion in content of most major and trace elements. The REE pattern of the recrystallized carbonate displayed clear tetrad effect.

**Keywords:** REE; geochemistry; Maadi Group; limestone; Eocene; Egypt.

### Fatty acids composition and lipid content from muscle tissue of clam Amiantis umbonella (Bivalve) in the Persian Gulf Coasts (Bushehr)

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**Abstract:** In this investigation, the muscle tissue of Amiantis umbonella from the coastal waters of Bushehr, Iran in May 2013 were separately extracted for their lipid content especially omega-3 fatty acids composition using the method of Blight & Dyer. The compounds were determined by Gas Chromatography-Mass Spectrometry (GC-MS). The components detected in both male and female species. Some of the compounds identified in both sexes, including saturated fatty acids Palmitic acid and Stearic acid, monounsaturated fatty acid Oleic acid, polyunsaturated fatty acid alpha-Linolenic acid (ALA), two methyl esters of fatty acids including Octadecanoic acid, methyl ester and Hexadecanoic acid, methyl ester. The dominant fatty acids identified in both sexes were alpha-Linolenic acid (ALA) and Palmitic acid.

**Keywords:** fatty acids, lipid content, liver, muscle, *Amiantis umbonella*, Persian Gulf.

**Long-term investment planning in oil and gas sector: trends, risks and opportunities (the case of NOC «KazMunaiGas»)**

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**Abstract:** The company's strategic development challenges and opportunities were summarized based on the consolidated, operating and financial statements of NOC «KazMunaiGas» using SWOT-method. The conceptual scheme of the VIOC's strategic management and the system of long-term development targets, adapted to the peculiarities of oil and gas sector of Kazakhstan, are proposed.


**Keywords:** Oil and gas complex, investment, vertically integrated oil company (VIOC), SWOT-analysis, strategic management.

**Development of Mixed Silo for Boars and Investigation of Its Effect on Quality Indicators of Ejaculates**

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**Abstract:** Combined silage consisting of alfalfa, pumpkin and husks of grapes with addition of lactic acid bacteria Bacillus subtilis was developed. According to sensory evaluation the stacked silos with added lactic acid bacteria Bacillus subtilis, pumpkin and husks of grapes were of good quality, had medium sour taste, the smell of pickled vegetables, the color of raw materials, and intact structure of the particles. The best option to make silage is to add 75 g of probiotic, 50 kg of pumpkin and 60 kg of husks of grapes per 1 ton of green mass of alfalfa. 1 kg of such a silo contained 0.33 fodder units, 385 g of dry matter, 32 g of digestible protein, 18 g of fat, 50 mg of carotene and 51 g of crude fiber. The inclusion of 20% of the total nutritional value of such mixed silage in the diets of boars increases the palatability and improves the physiological condition of the body and reproductive capacity of boars. In this case, the volume of ejaculate increased by 12.6 % and total sperm - by 13.2 %, pathological forms decreased by 19.5 %, the safety of the sulfhydryl groups (SH) improved by 12.1%, and functioning of energy system in 2.3 times. It was found that feeding boars with mixed silage increases sperm cryostability. Compared with the control group damaging of sperm with acrosomes is 8.6% lower, the survival time is longer by 19.6-35.3 %, the sperm motility is higher by 14.7-26.5 %, as well as the safety of SH-groups – by 8.1%, functioning of the energy system - by 46.9-77.5 %, fertilizing capacity of gametes – 8.3-33.4%. The highest results for cryostability of sperm were found in boars of second experimental group.

### Theoretical and Methodological Background of Efficiency of Educational Services in the System of Higher Education

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**Abstract:** The wide spread occurrence got the consideration of different aspects of educational services efficiency, in particular, the more narrow aspect of higher education regional efficiency - the efficiency of interaction of higher vocational educational system and the regional labor market, and also different manifestations of efficiency from the perspective of direct consumers of educational services (a student, a state, a society, an employer and an educational institution). The question about economical essence of costs, connected with the higher education, is of the same importance. Are they productive or nonproductive? There is no still consensus in this and some other questions. Thus, it is possible to separate two exact antipodes of opinion on the character of educational costs. The followers of one of them consider, that in specialist training the costs on higher education are not directly transferred to the cost of goods, produced in material sphere that is why these costs cannot be considered as the productive ones. Another group of researchers refers the costs on staff training to the necessary costs of production restructuring, i.e. considers them as the fixed capital formation. At present, for the higher education economy the evaluation problem of cost efficiency on higher education and determination of their optimal value, from the national economy viewpoint, is the main methodological and applied problem.


**Keywords:** silage, alfalfa, boar, sperm, probiotics, conservation, husks of grapes, ejaculates, fertility, diet, nutrition, lactic acid bacteria.

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### Research of Ethnopedagogical Approach in Professional Training of Teachers

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**Abstract:** The authors of this article presented the results of the conducted research on identifying the conditions of effective realization of ethnopedagogical approach in professional training future teachers in higher educational institution. The actuality of the problem of the research is caused by the active development of national cultures of the people of Kazakhstan, the appeal to the national values making culture of any people, the aspiration to revival of ethnic culture through keeping the native language, customs and traditions. In modern society the importance of ethnopedagogical knowledge, including in an educational system increases. The authors in the research rely on the principle of connecting the national, state and territorial bases in modernization the professional education of Kazakhstan. Because Kazakhstan is the polycultural state the main tasks of which in education are to form the common educational space, harmonization of the national and ethnocultural relations.

A 68-year-old man with Angioedema due to Enalapril

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Abstract: A 68-year-old man presents to the emergency department with nausea, drooling, and swelling of his tongue that began 3 hours earlier. The patient reports previous episodes of swelling of his lip and tongue about 4 years ago, that have been attributed possibly to drug reaction. There is no family history of similar episodes. Physical examination reveals a swollen tongue and hypertension, drooling, flushing, and no rash, bronchospasm, or urticaria.

Keywords: Angioedema, Enalapril

The Constitutional-Legal Characteristics of Political System of the Kazakhstan Republic

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Abstract: This study deals with the analysis of efficiency of the political system structure in historical-legal aspect; there is subsequently proved the idea, that the content of functions of the state political system at different stages of the state development is subjected to various changes. Its quantity and content can depend on processes of development of statehood, social, political, economical and legal conditions in the country. The article also deals with the general conditions of essence and tendency of the political system of society in the Kazakhstan Republic and presents a conclusion that the state functions and develops in complex interdependent social relations. The authors determine a political system, as a central one in juridical and political sciences, the use of which separates the political life from the rest public life. In its turn, it is thoroughly studied a development process of concepts of state-legal phenomena and policy in whole, conditioned significantly by great deepening of knowledge about the variety of links, the desire to express them in the relevant concept system. The results of this study shall be used in improvement and updating of mechanisms of constitutional-legal regulation of separate political institutes, such as a state, a parliament, a party system, an electoral process, non-governmental associations, local government and others.
Abstract: The article deals with general review of artistic, stylistic and linguistic skills of dramatic works by Turkic nations, previously fundamentally unexplored by the world and Turkic language-speaking scientific community. The scientific innovation of the article lies in the fact that the whole variety of linguistic instruments of dramatic effect aimed at implementation of writer's idea was revealed based on particular facts. For the first time, the problems of stylistic and language signs of a dramatic discourse: it is universal by character and unique by the scope of implemented functions: a word can implement any linguistic function. Only a word mark can cover the whole scope of linguistic functions. Word marks bear both communicative as well as pragmatic functions, influence the people around with their meaning, stylistic and expressively emotional pattern. In this respect, the special potential capabilities of a word are revealed at its functioning within a literary text, in which words along with their common meanings also become the means of expressing the playwright's artistic and aesthetic orientation. Comprehensive study of the lexis, etymology, and stylistic skills of dramatic works (tragedy, drama or comedy) of kindred Turkic nations brings us to a conclusion that playwrights, as opposed to their predecessors and contemporaries, very rarely use the typifying role of the extra literary lexis (subdialects, dialects, slangs, ritual talks).

Keywords: stylistics, drama lexis, stage language, drama language.
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**Keywords:** stylistics, drama lexis, stage language, drama language.

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**The problems of study of the genre of dramaturgy of Turkic nations of Central Asia and the Siberian region of Russia in its correlation with the European dramaturgy (from folklore to drama)**

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**Abstract:** The article deals with general review of artistic, stylistic and linguistic skills of dramatic works by Turkic nations, previously fundamentally unexplored by the world and Turkic language-speaking scientific community. The scientific innovation of the article lies in the fact that the whole variety of linguistic instruments of dramatic effect aimed at implementation of writer's idea was revealed based on particular facts. For the first time, the problems of stylistic and language signs of a dramatic discourse: it is universal by character and unique by the scope of implemented functions: a word can implement any linguistic function. Only a word mark can cover the whole scope of linguistic functions. Word marks bear both communicative as well as pragmatic functions, influence the people around with their meaning, stylistic and expressively emotional pattern. In this respect, the special potential capabilities of a word are revealed at its functioning within a literary text, in which words along with their common meanings also become the means of expressing the playwright's artistic and aesthetic orientation. Comprehensive study of the lexis, etymology, and stylistic skills of dramatic works (tragedy, drama or comedy) of kindred Turkic nations brings us to a conclusion that playwrights, as opposed to their predecessors and contemporaries, very rarely use the typifying role of the extra literary lexis (subdialects, dialects, slangs, ritual talks).


**Keywords:** stylistics, drama lexis, stage language, drama language.

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**Peculiarities of Forming Creative Competence of Future Specialists**

Sakhipzhamal Askarovna Uzakbaeva, SauleAbdrasahovna Zholdasbekova, Ulzhalmal Konakbaeva Zhandaralieva, Kamalbek Meirbekovich Berkimbaev, Saltanat Tynybekovna Nyshanova, Gulzhan Temirsharovna Abdullina

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**Abstract:** This paper deals with the formation of creative competence in training future specialists at A. Yasawi International Kazakh-Turkish University in Turkistan, Kazakhstan. Importance and necessity of including of motivational and emotional spheres of a student is underlined in the methodical literature of last years. This new century requires specialists according to the needs of this century's students. The challenge we face is not only to teach content but, to help students to exploit their amazing potential in order to apply their skills in problem solving and, at the same time, being a citizen of the world. It is not only to know; our students need to do something with their knowledge, share ideas to help solving situations in their communities, cities, countries, and the world itself by having confidence in themselves and respecting society, nature, different opinions, races, etc. Our
students need to learn by themselves and keep learning through their lives and, university is the place where they have to develop their abilities to face, in the better ways, the problems forming creative competence of future specialists.


**Keywords:** ability, creativity, training of future specialists.

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**Evaluation of Incidence of Intraventricular Hemorrhage after Blood Transfusion in Preterm Neonates**

Rakhshaneh Goodarzi1, Mohamad Ali Molavi1, Ali Reza Moayedi1, Abdolbaset Khatibizadeh Sooroo2 and Abdolmajid Nazemi*1

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**Abstract:** Blood transfusion in preterm neonates is an essential component of modern pediatric therapy. Although advantages of blood transfusion increasingly discovered in recent decades, it considered as an important risk factor of intraventricular hemorrhage (IVH). IVH can cause life-long disabilities or death. So we decided to assess the relation between blood transfusion and IVH in preterm neonates. Method: This case control study conducted in November 2012 to April 2013 in Bandar Abbas-Iran. Preterm Neonates with birth weight less than 1500 g enrolled to this study. Exclusion criteria included: NICU admission, thrombocytopenia, asphyxia, respiratory distress syndrome and coagulopathy. First screening sonography carried out for all participants (100 neonates) in the first day of study. After blood transfusion in case group (50 neonates), second screening sonography carried out to investigate IVH. Collected information entered to SPSS version 16 and analyzed. Result: In this study, case group contained 50 neonates with blood transfusion indications and control group contained 50 neonates with no blood transfusion indications. IVH was detected in 16% (8/50) of case group and 4% (2/50) of control group. Based on our findings, there is a significant relation between IVH and blood transfusion in preterm neonates (P= 0.046). We also evaluated whether gestational age, birth weight and gender in preterm infants have relation with IVH or not, but we had found no statistical relation (P>0.05).

**Discussion:** our findings show blood transfusion in neonates is linked with risk of IVH. Thus we recommend paying more attention and being more cautious in transfusion procedure and after blood transferring, use screening means to diagnose possible IVH after in this group of neonates.


**Key words:** Blood transfusion, Preterm neonates, Intraventricular hemorrhage.

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**Organizational Learning in a General Hospital**

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**Background:** Rapid changes in the environment of organizations and its complexity forces organizations to develop their capacities and knowledge to sustain in this competitive world. In the health services hospitals play the most important role and are very expensive and complicated organizations. These organizations are dealing with accelerating pace of changes and need to adapt with the continuously changing situations organization to work and sustain in the complex and uncertain environment. **Objective:** The paper is aimed to identify and rank the factors that hinder hospitals to become learning organizations. Also strategies for facilitating and accelerating the process of learning are presented. **Methods:** This research is a descriptive survey. Data were collected using a 26-item questionnaire and were analyzed in SPSS using chi-squared test, binomial test, Friedman test, and AHP. The population of the research consisted of 547 employees of a general hospital in Tehran, and sample size of 157 was calculated at the 0.05 significance level. **Results:** There is a significant positive relationship between organizational learning and organizational culture, team learning, systems thinking, shared vision, and personal mastery. Poor team learning and lack of a shared vision were ranked respectively as the most and the least important barriers in organizational learning. **Conclusion:** Based on this study the most important barrier that hinders organizational learning is team learning and team working. Considering the effects of different variables on organizational learning some recommendations provided which help in transforming the studied hospital and others into a learning organization.


**Keywords:** Organizational Learning, Learning Organization, Knowledge Management, Hospital management

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**Designing a Model for Selecting Internet Marketing Strategies in the International Market**

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**Abstract:** This paper is an exploratory research in which internet marketing strategies are first identified (they are defined in the theoretical literature) and then they are indexed and numerized through using experts opinions to determine numerical value of each strategy. The statistical universe has been defined by information of Stock Exchange Organization. It comprises 50 consistently profitable companies during 2010 to 2012 which possess internet marketing system. Sample number was estimated 44 via Cochran formula. To measure validity, the most credible existing method, i.e. construct validity, has been applied. Cronbach formula has been used to calculate reliability. With regard to the number of companies and the selected indices, Cronbach's alpha coefficient was estimated 0.785 that is higher than 0.7. The tests used in this paper consist of Pearson correlation coefficient, Friedman ranking, and VPLS factor analysis. The main result of this paper is offering a regression model for selecting internet marketing strategies in the international market.


**Keywords:** Internet marketing, marketing strategies, web technology
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Abstract: Effective power management is among the most important challenges faced by the computing industry especially in wake of rapid shift of trends from desktop computing machines to battery operated portable machines. The prevailing operating system based advanced configuration and power interface (ACPI) technology are passive in nature depending solely on user physical inactivity from keyboard or mouse for specified interval before the system enter into power conservation mode. With the intent to improve the display power management controls in mind, a simple and smart PC display power management and conservation system (PMCS) is proposed that could improve power consumption efficiency based on actively monitoring user presence or PC bound attention via facial and eye gaze information. Facial and eye gaze are most important signs to reveal user presence and prevalent state of engagement with the computer. The system track user eyes gaze within near frontal facial positions and sustain power-up mode as long as the user eye gaze is focused on the computer screen. On failure to detect user presence or attention beyond some threshold interval the system enter into power down mode. The system employs a low-end webcam typically integrated in the laptops as a mean to obtain user facial and eye gaze information. The system will contribute toward improved PC power consumption.

http://www.lifesciencesite.com

Key words: PC Display Power Management, Energy Conservation, Smart PC, Eye Tracking, Gaze Estimation.

An Indirect MSB Data Hiding Technique

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Abstract: Various image steganography techniques have been proposed. In this paper, a new reversible data hiding technique were used, as an improvement over the LSB data hiding technique. The new idea focus on indirect hiding secret message in the most significant bits of the cover image, while using the least significant bits as an indicator to the hiding value. Also, using an encrypted key to specify the bits to store the secret image in it. As a result, it is difficult to extract the hidden information without knowing the retrieval method and the secret key. Peak Signal to Noise Ratio (PSNR) were used to measure the quality of the stego images. The technique is fast and robust. Experimental results show that the proposed method is so fast because it doesn't need any additional calculations with very good PSNR results.


Keywords: Steganography techniques, digital images

Selection of high-yielding agrophytocenoses of annual crops for fodder lands of frontier zone

Beybit Nasiyevich Nasiyev

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Abstract: The studies conducted have provided data enabling one to evaluate the productivity of feed crop in the frontier zone of the West Kazakhstan Province of the Republic of Kazakhstan and the Saratov region of the Russian Federation for use in innovative technologies on feed protein production. The studies have ascertained the feasibility of cultivation of sorghum, Sudan grass and millet agrophytocenoses in the noted frontier zone instead of the conventional barley crops. Suggested croppers are distinguished by active photosynthetic activity. Over the 5-year period the average maximum leaf area of sorghum crop makes 52.0 thousand m²/ha, crop of Sudan grass and coarse millet generate 46.0 and 42 thousand m²/ha, respectively. And in the barley crop it does not exceed 23.6 thousand m²/ha. Studied agrophytocenoses of annual forage crop differ by yield of fodder units, digestible protein, feeding protein units (FPU) per unit of land, and the accumulation of the metabolic energy. Over 5-year study period, the highest yield of green mass was provided by sorghum and Sudan grass crop - 26.1 t/ha and 16.2 t/ha, respectively. Productivity of barley was significantly inferior to sorghum and Sudan grass, accounting for just 12.0 t/ha.


Keywords: agrophytocenoses, productivity, photosynthetic potential, feed crops, feeding value.

Study of Skull X-Ray and physical examination in head trauma with GCS=15

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Abstract: Head trauma is a frequent and important problem from the view of emergency physician. Estimates of mortality following head injury vary from 10 to 36 per 100000 populations. Estimates of combine medical costs from trauma places of over 6 billion dollars. One of the diagnostic procedures in these cases is use of radiologic imaging. Nevertheless, visible fractures are found less than 5% in skull X-Ray films. Therefore, it is better to use this procedure when risk of detecting visible fracture is high. In a cross-sectional analytic study that performed in Emergency Medicine Department of Tabriz University of Medical Sciences from September 2010 to July 2013 on patients with head trauma, we evaluated fractures visible on plain radiographies and the clinical manifestations in patients with head traumas with GCS=15. This study besides determination of relative frequency of age, sex, etiology, visible fracture in skull X-ray and clinical manifestations in these cases tries to determine the relationship between clinical manifestations and visible fracture in skull X-ray. The most common cause of head trauma was falling down 42.7%. Male to female ratio was 2.2 to 1 and most of cases were in 2-17 years age group(40.2%). 346 of cases discharged without admission who had not clinical manifestation or had only slight swelling, mild pain in traumatized area, vomiting(maximally 2 times), scalp wound, cephalohematoma or mind subgaleal hematoma. 150 caese were admitted and 11 of whom had visible fracture in skull X-Ray. Clinical manifestation in
these cases are as below. On the basis of this findings and clinical statistical finding in inpatients and usage of Chi-squre with p<0.05 it is proved that there is relationship between clinical manifestations and visible fracture in skull X-Ray. Clinical manifestations include otorrhagia, recurrent vomiting, Raccon sign, and all of the cases who had severe tenderness and subgaleal hematoma had fracture in skull X-Ray. As a conclusion besides these problems, if scalp wound presents, it is preferred to take skull X-Ray to detect foreign body or fracture that have a high risk for meningitis. When cases had no clinical manifestations or had only slight swelling, mild pain, vomiting (maximallt two times) cephalohematoma, or mild subgaleal hematoma, they have had a low risk to find visible fracture and skull X-Ray does not help to determine fracture. Therefore, we can with attending above mentioned notes decrease accomplish side effects and cost of radiology. Other clinical manifestations such as otorrhea and rhinorrhea in studied cases were not found so it demands more study on these line.


Keywords: Physical Examination, Head Trauma, Skull X-Ray

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**Analysis of the current state and influence on the quality of life of the Republic of Kazakhstan**

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**Abstract:** The research paper describes the structure of the quality of life. Impartial indicators are formed and analysis of the quality of life of Kazakhstan is carried out. The influence of economic factors on the quality of life of Kazakhstan is studied.


Keywords: quality of life, population, needs, income, poverty, life expectancy

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**The Development of the Catalog of Elective Subjects as a Means of Professional Training of Students**

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**Abstract:** In this work the technology of the development of content of the elective courses as a way of professional training of students is theoretically proved. The development of the catalog of elective subjects - the process of drafting and detailing of professional knowledge of students, their experience of practical and creative activities in order to ensure the integrity and appropriateness of elective subjects. The development of the content elective courses is the process of developing and detailing the components of educational content based on the principles, sources of criteria reflecting the nature of the training of students. The backbone component of the content of elective courses in vocational training is the experience of creative design activity of students. Experience the creative activity of students is a combination of knowledge and practical skills mastered, formed in the process of training students to solve creative problems and issues. The development technology of the directory elective courses is an activity for the development of the content of each of the following modules: explanatory, basic, control and diagnostics. The criteria for the effectiveness of technology development directory elective courses as a means of training students are: The ratio of
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| 53   | **Representation of Ancient Times in Kazakh Historical Novel**  
Kadisha Rustembekovna Nurgali  
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**Abstract.** The article deals with the peculiarities and national originality of the historical novel in Kazakh literature. The author gives special attention to modern historical works of fiction written by such authors as B. Zhandarbekov (“Tomiris”), D. Doszhanov (“The Silk Road”) and I. Yesenberlin (“The Golden Horde”). All the Kazakh writers interpret the history of Khazakh people in focus of national identity and national self-consciousness.  
**Keywords:** Historical novel, Kazakh literature, nomadic tribes, Golden Horde |
| 54   | **Hydroimpulsive Development of Fluid-Containing Recovery**  
Boranbay Tovbasarovitch Ratoov and Boris Vladimirovich Fedorov  
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**Abstract.** This work is dedicated to enhance the efficiency of development of the water bearing formations uncovered using a mud fluid. A formation clay cake removal method has been justified as the most efficient vibration method to be used for this purpose. Technical and technological means, based on generation of vibration pulses using a hydraulic hammer, have been developed and successfully tested while constructing geotechnological wells.  
**Keywords:** Water supply and technological wells, water bearing formations, decolmatation, vibration, testing, efficiency |
| 55   | **Artistic Role of Dialogue in National Prose**  
Zholaman Taubaevich Koblanov, Sharafat Sabitovna Abisheva, Bibatpa Amirchanovna Koshimova and Aliya Tugelbaevna Zhetkizgenova  
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**Abstract:** In the article the literary works (stories) ‘Ghost’, ‘Steppe sketches’, ‘The fate of the defenceless’, ‘Who is to blame?’ of Kazakh writers Zhysupbek Aimautoy and Mukhtar Auezov are analyzed. The author is considering their quest for artistic craftsmanship. The examples are given which prove how important the following artistic techniques are: monologue, dialogue, polylogue. In the study of literature of those countries where this branch of science has formed early there are many works about the origination of dialogue, its interaction with other artistic components, specific features of dialogue used by some writers. For example, Aristotle, Socrates, Plato, Lukian, Dumas, |
S. Soloviev, F. Hegel, D. Didro, V. Belinsky. A. Lunacharsky, L. Yakubinsky believe that dialogue is a powerful mean of expression of human thoughts and feelings. Also dialogue was investigated in the studies of such scientists as A. Veselovsky. V. Vinogradov, M. Bakhtin, A. Beletsky. O. Ginzburg and others.


**Keywords:** national prose, dialogue, plot, character, psychological background, psychological landscape, artistic methods, character in a piece of literary work, study of literature, story.

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**Folklore Lines in National Drama**

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**Abstract:** This article is devoted to the drama literary work ‘Alpamys’ of Kara-Kalpak playwright Nazhim Daukaraev: this piece of art is analyzed from scientific point of view. The author of the article gives characteristic to writer’s quest for folklore traditions. He gives specific examples which prove the important role of heroic eposes in development of national drama. Nazhim Daukaraev is a Kara-Kalpak writer which for the first time put national epos on the stage. What is more, this play was a success. On seeing that other Kara-Kalpak writers also decided to address epos in their works: Myrzagali Daribaev wrote a play based on epos of ‘Edige’, Asan Begimov was inspired by epos ‘Kobylandy’, Akhmet Shamuratov transformed the poem “Forty girls” into a play.


**Keywords:** Kara-Kalpak drama, dramatic conflict, musical drama, folklore lines, mythic motif, esthetical categories.

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**Regarding Issues of Toponymy and Social Associations in Language Environment**

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**Abstract:** In this article toponymy of Mangistau Region of Kazakhstan is analyzed. The authors give examples which prove the important role of toponymy in the development of national language environment of Kazakh people. Mangistau toponym is Kazakh national linguistic and cultural concept. Giving grounds to this issue shows potential of conceptualization of Kazakhstan toponyms. First of all, it must be one of the integral parts of macro-concept named Kazakhstan, Kazakh steppe. Though there are no scientific researches yet which have proved the existence of the Kazakhstan macro-concept, but the authors hope that they will soon be available, and not the only one, proving, by the way, the beginning of study if the small concepts of which Kazakhstan concept consists of. The authors view Mangistau as one of the components of the Kazakhstan concept.


**Keywords** toponymy, Mangistau Region, Kazakhstan.
The Compatibility of Extended Pre-charge Detention with the European Convention on Human Rights

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Abstract: In the UK a person reasonably suspected of terrorism can be arrested and detained without charge up to 14 days. While the Terrorism Act 2000 provides for rights for a detainee as it required by the European Convention on Human Rights 1950 these safeguards are not sufficient to prevent arbitrary detention and abuse of power. The article considers whether or not extended pre-charge detention compatible with European Convention on Human Rights.


Keywords: Pre-charge detention, terrorism in the UK, human rights, compatibility with ECHR.

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Necessity, effectiveness and proportionality of extended pre-charge detention of persons arrested under s. 41 of the Terrorism Act, 2000

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Abstract: In the UK a person reasonably suspected of terrorism can be arrested and detained without charge up to 14 days which is longer than in any other state with high risk of terrorism. While terrorism related offences require prompt and rapid response for prevention them from occurrence there is doubt on necessity, effectiveness and proportionality of the pre-charge detention longer than 4 days. The article considers arguments against and for the pre-charge detention, whether or not it proportionate and necessary for counter-terrorism policy, alternatives to extended pre-charge detention.


Keywords: Extended pre-charge detention, terrorism in the UK, necessity, proportionality

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Conditions to Inculcate Tolerance in Students

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Abstract: It is well-known that growth of social cooperation, humanization, democratization and economic development of modern Russian society commit educational institutions to inculcate tolerance in students. Having analyzed scientific and methodological literature and best practices of inculcation tolerance in students we have found the following unsolved problems: models of students' tolerance forming process are not sufficiently developed from theoretical and methodological point of view; insufficient level of tolerant interaction between teachers and students; the factors, conditions and mechanisms of infusion students with tolerance are not investigated in full. The purpose of this investigation: to simulate student’s tolerance formation process; find dependencies

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between external conditions and personal inclinations (factors) of forming tolerance in students.


**Keywords:** tolerance, student, inculcation, conditions, education