Proceedings of the IX International Conference of European Academy of Sciences & Reserch

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# **Proceedings of the IX International Conference** of European Academy of Sciences & Reserch

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### CONTENTS

| Business, Economics & Management  | 6  |
|---|----|
| Humbatov Yusif Abulfat, Nasibova Ayshan Viladdin,<br>Mammadov Seymur Ceyhun<br>ECONOMİC EFFİCİENCY OF İNNOVATİVE PRODUCTS PRODUCTİON İN LİGHT<br>İNDUSTRY İN AZERBAİJAN                                       | 7  |
| OlenaGuslyakova<br>SELF-MANAGEMENT IN THE PROCESS OF ON-LINE EDUCATION  | 8  |
| Oslak Boris Olegovich, Cherkashina Tatyana Alekseevna<br>THE ASSESSMENT OF CULTURAL VALUES IN ALTERNATIVE INVESTMENTS   | 9  |
| Urotadze Ekaterine<br>SIGNIFICANCE OF SOCIAL MEDIA MARKETING<br>IN THE GEORGIAN TOURISM INDUSTRY  | 10 |
| Vahe Davtyan,<br>DEVELOPMENT OF THE ENERGY COMPLEX OF REPUBLIC OF ARTSAKH<br>(NAGORNO KARABAKH) AS THE NECESSARY CONDITION OF ACHIEVING<br>ENERGY-SURPLUS ECONOMY   | 11 |
| Oslyak Boris Olegovich, Cherkashina Tatyana Alekseevna,<br>THE EVALUATION OF CULTURAL PROPERTYAS ALTERNATIVE INVESTMENTS  | 12 |
| Chemical & Material Science   | 13 |
| Zhanar Bolatova, Iuliia Papina, Anna Godymchuk, Lyazzat Kudabaeva<br>AGGREGATION OF NANOPARTICLES IN PEPTONE SOLUTION   | 14 |
| Pavel Milekhin, Anna Godymchuk, Iuliia Papina,<br>INTERACTION OF TiO <sub>2</sub> NANOPARTICLES WITH AMINO ACIDS: pH VARIATION IN<br>SOLUTION   | 15 |
| Viktor Alekseevih Temnikov<br>A STUDY OF THE EFFECT OF ELECTROSTATIC PROCESSING<br>ON PERFORMANCE CHARACTERISTICS OF AXLE OIL   | 16 |
| Orazimbetova Gulistan Jaksilikovna, Namazov Shafoat Sattarovich,<br>Iskandarova Mastura<br>CLINKERS FOR CONSTRUCTION AND SULFAT-RESISTANT CEMENTS BASED ON<br>RAW MATERIALS OF THE REPUBLIC OF KARAKALPAKSTAN | 17 |
| Orazimbetova Gulistan Jaksilikovna<br>RESEARCH OF THE CHEMICAL COMPOSITION OF THE RAW MATERIAL BASE OF<br>THE CEMENT PLANT JV TITAN CEMENT LLC  | 19 |
| Engineering & Computer Science  | 21 |
| Hovik Avanesov<br>THE ROLE OF MODERN TECHNOLOGIES IN THE DEVELOPMENT OF THE LIBRARY   | 22 |

|  | Health & Medical Science | 24 |
|--|--------------------------|----|
| Oleksandr Korolkov, Paviel Rakhman<br>MINIMALLY INVASIVE SURGICAL TECHNIQUES IN THE T<br>PERTHES ' DISEASE   | REATMENT OF              | 25 |
| Sanoyeva Matlyuba, Gulova Munisakhon<br>ANALYSIS OF NATURE OF HEADACHES AND REDUCTION<br>OF PATIENTS WITH COMPLICATED FORMS OF MIGRAINE<br>THE DEVELOPMENT MEDICAL AND SOCIAL PROBLEM  |                          | 26 |
| Sanoyeva Matlyuba, Gulova Munisakhon<br>FEATURES OF SHAPING OF MOVEMENT VIOLATIONS IN N  | MIGRAINE STROKE          | 27 |
| Paviel Rakhman, Oleksandr Korolkov<br>COXA VARA – IS IT ALWAYS SURGERY?  |                          | 28 |
| Kalynychenko Tetiana, Anoshyna Militina, Parubets Lidiia<br>OVERCOMING THE OXIDATIVE COMPONENT OF DAMAGI<br>CRYOPRESERVATION TECHNOLOGY OF RED BLOOD CEL<br>UMBILICAL CORD BLOOD   |                          | 29 |
| MEDVEDIEVA IRYNA, NOVIKOVA IRYNA<br>QUALITY INDICATORS OF PREANALYTICAL STAGE'S LAI<br>IN HOSPITALS  | BORATORY ANALYSES        | 30 |
| Parakhonsky Alexander Pavlovich<br>BIOMARKERS FOR THE OVERLAP SYNDROME OF ASTHM  | A AND COPD               | 31 |
| Paviel Rakhman, Oleksandr Korolkov<br>EVALUATION OF THE EFFECTIVENESS OF THE TECHNOL<br>MULTI LEVEL SURGERY (SEMLS) IN CHILDREN WITH CEI   |                          | 32 |
| Paviel Rakhman, Oleksandr Korolkov<br>INVESTIGATION OF THE STRESS-STRAIN STATE OF THE F<br>AND AFTER SURGICAL TREATMENT BY DIFFERENT MET   |                          | 33 |
| Abaszade Zumrud Amirgulu, Eyvazova Shahla Rahid, Ayyubova ON THE ISSUE OF IMPROVEMENT OF HYPERTENSION PRE<br>POPULATION OF AZERBAIJAN  |                          | 34 |
| Antonova ElenaVasilyevna<br>BIOMONITORING OF LEAD OF THE TECHNOGENIC ORIGII<br>PRESCHOOL CHILDREN  | N IN THE BODY OF THE     | 35 |
| Svetlana Victorovna Grygorieva<br>RESEARCHING THE DYNAMICS OF ATTACHMENT IN FAM<br>HAVING CEREBRAL PROBLEMS  | AILIES WITH CHILDREN     | 36 |
| Myroslava Kulesha-Liubinets, Олена Юріївна Рубан,<br>FEATURES OF THE IDEA OF UNIVERSITY STUDENTS ABO   | UT MENTAL HEALTH         | 37 |
| Huang Kunpeng<br>DRAWING ON THE EXPERIENCE OF THE WHO TO BUILD   | A HEALTHY CHINA          | 38 |
| Yakubov Abdujalol Vakhabovich, Pulatova Nargiza Ikhsanovna,<br>Saidova Shakhnoza Oripovna, Pulatova Durdona Bahodirovna, Mu<br>Aripdzhanova Shakhlo Sardorovna<br>ЭФФЕКТИВНОСТЬ КОМБИНИРОВАННОЙ ТЕРАПИИ ВЕРА<br>ИНДАПАМИДОМУ БОЛЬНЫХ МЕТАБОЛИЧЕСКИМ СИНД | АПАМИЛОМ И               | 39 |

| Humanities, Literature & Arts  | 41 |
|--|----|
| Akhmedova Mehrinigor Bahodirovna,<br>MORAL VALUES, BELIEF AND SPIRITUAL TERMS IN THE ENGLISH LANGUAGE  | 42 |
| Syvokin Hanna, Kartel Tetiana<br>THE USE OF DIALOGUE COMPLEXES IN SCIENTIFIC AND POPULAR DISCOURSE   | 43 |
| Ushenina Tatyana Sergeevna<br>IMPROVING LEARNERS' WRITING SKILLS THROUGH VARIOUS TYPES OF<br>FEEDBACK  | 44 |
| Life Sciences & Earth Sciences   | 45 |
| Kutlieva G.J., Elova N.A., Kamolova H.F.<br>PROSPECTS FOR THE CREATION OF NEW DOMESTIC BIOLOGICAL<br>PRODUCTS FOR BIOCONSERVATION OF FEEDS USING ROBIOTICS                                       | 46 |
| S. Sovhira<br>WAYS OF EFFECTIVE FUNCTIONING OF THE SOUTHERN BUH ECOCORRIDOR  | 47 |
| ButakovEvgenyIvanovich, ShamanskayaLyubovDemyanovna,   |    |
| SmolyaninovYuriIvanovich<br>THE EFFECTIVENESS OF ENVIRONMENTALLY SAFE PREPARATIONS OF<br>NATURAL ORIGIN HAD DEVELOPED ON M.A. LISAVENKO RESEARCH INSTITUTE<br>OF HORTICULTURE FOR SIBERIA        | 48 |
| Ravshanova Nilufar Adilovna<br>INFLUENCEOFAGROTECHNICALMETHODSOFCULTIVATIONONTHENUMBEROFB<br>RANCHESOFCOMMONBEANVARIETIES  | 49 |
| Shixaliyev Kerem Sefid<br>UTILIZATION SOUR TARS OF THE BAKU OIL AND CREAMERY   | 50 |
| Абидова Азиза Джалиловна, Цеомашко Наталья Евгеньевна,<br>Ирискулов Бахтиёр Уктамович<br>ИЗУЧЕНИЕ АНТИМИКРОБНОЙ АКТИВНОСТИ ФУРОКУМАРИНА ПСОРАЛЕНА<br>ВЫДЕЛЕННОЙ ИЗ ЛИСТЬЕВ <i>FICUS CARICA L</i> | 52 |
|  |    |
| Physics & Mathematics  | 53 |
| MALKO NATALIA YUREVNA,<br>STREZHEKUROV EDUARD YEVHENOVYCH,<br>РЕШЕНИЕ ПРОБЛЕМЫ КОНФАЙМЕНТА - ПОЗВОЛЯЮЩЕЕ НАБЛЮДАТЬ КВАРК<br>В НЕСВЯЗАННОМ ВИДЕ   | 54 |
|  |    |
| Social Sciences  | 55 |
| Oleksii Fomytsia<br>A STATE OF STUDYING THE USE OF ATTRIBUTES OF SOUND INFLUENCE IN<br>PROPAGANDA  | 56 |
| Buzdugan Olena, Savvova Viktoriia<br>PEDAGOGICAL CONDITIONS FOR THE FORMATION OF AESTHETIC FEELINGS OF<br>SENIOR PRESCHOOLERS  | 57 |

| Pidhirnyi Oleh, Diachenko Oleh<br>TO THE QUESTION OF THE DEVELOPMENT OF SPECIAL PHYSICAL QUALITIES OF<br>VOLLEYBALL PLAYERS IN THE CONDITIONS OF COLLEGE     | 58 |
|--|----|
| Yangalycheva M. Kh<br>TEACHER'S FEEDBACK AS A KEY TO LEARNER'S SUCCESS   | 59 |
| Shavkat BOBOJONOV<br>THE SHRINE OF HODJA SAID PULOT IN THE PEOPLE'S REGISTRATION   | 62 |
| Lopatynska Natalia<br>DYSONTOGENETIC DETERMINANTS OF COMMUNICATIVE AND SPEECH<br>ACTIVITY IN CHILDREN OF PRESCHOOL AGE                                       | 64 |
| Mikulinska Olga Serhiivna<br>ON THE ISSUE OF FORMATION OF FUTURE CHOREOGRAPHY TEACHERS'<br>HEALTH-SAVING COMPETENCE  | 65 |
| Azizbek SAPARNIYAZOV<br>SOCIO-POLITICAL SITUATION OF THE KARAKALPAKS IN THE 18 <sup>TH</sup> CENTURY   | 66 |
| Umid KULIJANOV<br>ROLE OF ACADEMIC MOBILITY IN INTERNATIONALIZATION  | 67 |
| Hrytsenko Olga<br>INTEGRATION TECHNOLOGY IN THE DEVELOPMENT PROCESS<br>MYSTERY SCHOOLS OF UKRAINE  | 69 |
| Nelly Petrovna Romanova, Romanova Ilona Valerievna<br>REGIONAL CENTER OF PROFESSIONAL ORIENTATION OF YOUNG PEOPLE IN THE<br>HUMAN RESOURCE MANAGEMENT SYSTEM | 70 |
| Svitlana Simakova, Olesia Melnyk<br>CRIMES RELATED TO DRUG ABUSE AND PREVENTION  | 72 |
| Oybek Ostonov<br>HANDCRAFT TRADITIONS IN ZARAFSHAN VALLEY<br>(the end of XIX century, beginning of the XX century)   | 74 |
| Kamarova Nagbdu<br>«WORDS OF EDIFICATION» ABAYKUNANBAYEV – ONE OF THE BRIGHTEST<br>LEGACIES OF THE KAZAKH PEOPLE   | 78 |

#### WAYS OF EFFECTIVE FUNCTIONING OF THE SOUTHERN BUH ECOCORRIDOR

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State regional policy becomes increasingly popular in the system of public administration of social, economic and other processes. In view of this, strategic management of preservation territories and objects should be considered in the context of regional and local interests. Therefore, the Southern Buh ecocorridor as the object of the study dedicated to solve the problems of increasing the efficiency of natural preservation territories and objects; which are under threat of degradation as a result of continuous territory ploughing and loss of flora and fauna species, water pollution by economic, communal, industrial runoff and surface runoff from cultivated land in agriculture.

Landscapes with fragments of natural vegetation cover prevail in the forest-steppe area of the ecocorridor. Steppe landscapes are almost completely cultivated and used in agriculture which causes their rapid degradation. Self-restoration processes are occurred only on the territories taken out from economic use and on natural preservation areas. Natural diversity of landscapes is represented by 35 landscape areas which are divided in the following categories: typical, rare and also endangered by the features of soils distribution and characteristics of vegetative cover. Typical natural complexes are represented by 20 areas which occupy more than 98% of the ecocorridor area.

Rare and endangered natural complexes are represented by 15 areas with area of 2% of the ecocorridor territory. Endangered natural complexes are the most vulnerable complexes, representing the remains of primary natural forests, meadows and steppes among entirely cultivated lands, which is threatened by the reduction of their areas and ruin as a result of further antropogenic influence due to the widening of agricultural land.

In particular, the impact of agricultural activity on the state and functioning of the natural preservation fund is displayed in the following factors: improper use and removal from the land of natural preservation fund; unpermitted cutting of forests; exceeding the norms of permissible recreational load; poaching; insufficient budget financing of the institutions of natural preservation fund; degradation of vegetative areas; loss of biolandscape diversity; loss of biological stability by ecosystems; threat of loss already protected and reserved for natural reserves of unique and standard natural complexes, etc.

A serious barrier for further functioning of the Southern Buh ecocorridor is the lack of water protection belts, mass building of the territories of promising for ecological systems with elite cottage housing and country complexes, fragmentation of vegetative cover, etc.

The South Buh river is divided by dams and almost changed on a number of artificial reservoirs. The river valley is largely used for agricultural activity and housing building. Plots in natural and semi-natural state occupy a relatively small total area. Belt of natural vegetation along the river is rarely wider beyond 50-200m from the water line and disappears almost completely within the settlements.

All this said was directed to the development of a complex of measures for effective functioning of the Southern Buh ecocorridor, which include its argumentation by administrative-and-territorial and regional division and defining of promising reserve objects of ecocoridor for their further protection.

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