

## ABSTRACT&amp;REFERENCES

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## EVALUATION OF ACCURACY OF WATER RIVER KUCHURGAN AND KUCHURGAN RESERVOIR BY COMPLEX OF HYDROCHEMICAL INDICATORS FOR FISHERY REQUIREMENTS

p. 6-11

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*The evaluation of the suitability of waters of the Kuchurgan and Kuchurgan reservoirs waters according to the complex of hydrochemical indicators according to the methodology of the Hydrochemical Institute (Kyiv, Ukraine) for the needs of the fish industry has been carried out. The dynamics of water quality in time and space have been studied. According to the calculations of the combined pollution index for the years 2003–2018, the water bodies of water of grades III–IV are dirty and very dirty. At this stage it can be concluded that the water of the Kuchurgan and Kuchurgan reservoirs is unsuitable for fishery use*

**Keywords:** complex of hydrochemical indicators, combined pollution index, water quality evaluation

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## JUSTIFICATION OF THE NEED FOR THE CREATION OF A NATIONAL CENTER OF SPACE TECHNOLOGIES IN UKRAINE

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*The situation on the market of space technologies in the world and prospects of its development are analysed. The necessity and strategic plan for creation of the National Space Technology Center in Ukraine are grounded. Variants of activation of space activity are offered. Proposals on the state support for the functioning of the National Space Technology Center in Ukraine are made. The prospects of interaction between the commercial sector and government regulation on investment in the space industry using its technologies for sustainable economic development are identified*

**Keywords:** *strategic plan, National Center, space technology, space commercialization, government regulation*

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## THE ANALYSIS OF ETHNOMENTAL IDENTITY CRISIS IN THE PERIOD OF MULTICULTURALISM

p. 20-23

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*Within the frames of given article, the author carries out the analysis of an ethnomental identity crisis that is shown in the context of linguacultural crisis. The author focuses on the phenomenon of ethnic paradox, or ethno-renaissance, analyzes various scenarios for the development of integration processes in the global multicultural field, and suggests ways to overcome the challenges associated with globalization. These phenomena are considered in the context of the European integration vector of the Ukrainian people.*

*Particular attention is paid to the analysis of the crisis manifestations of the integration of representatives of different countries into the European linguistic and cultural space*

**Keywords:** mental identity crisis, ethnolinguaculture, multiculturalism, ethnic renaissance, point of mental support

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#### THE LAND PLOTS REALLOCATION ALGORITHM DEVELOPMENT IN THE COURSE OF LAND CONSOLIDATION IN UKRAINE

p. 24-29

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*The issues of land plots reallocation in the course of land consolidation in Ukraine have been considered in the article. The place and role of land plots reallocation in the set of measures on land consolidation have been specified. The main algorithms of land reallocation used for land consol-*

*idation purposes in the national and international practice have been analyzed. The algorithm of land reallocation in the course of land consolidation in Ukraine has been suggested based on the peer land plots exchange. The algorithm has been tested at the land consolidation in Kyiv Region*

**Keyword:** land reallocation, land consolidation, land exchange, peer land plots, optimization model

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**TECHNIQUE OF DEVELOPMENT OF INFORMATION AND TECHNICAL METHOD OF OPTIMIZATION OF CARRYING OUT OF EMERGENCY AND RESCUE WORKS RELATED TO EMERGENCY SITUATIONS IN THE ZONE OF URBAN INFRASTRUCTURE**

p. 30-34

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*The paper analyzes the current state of technogenic and natural security in cities and urban-type settlements in Ukraine, identifies the main contradictions in the organization of actions of emergency and rescue units. The assumption about the possibility of influencing the effectiveness of the actions of rescue units of modern information and communication technologies, namely, QR-coding technology, is substantiated. A scheme for organizing informational QR-support in the zone of possible emergency is proposed. On the basis of the latter, the ways of implementation and the structure of an information technology method for optimizing rescue operations in the area of urban infrastructure are determined*

**Keywords:** emergency, QR-coding, management, rescue units, optimization, information technology method

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INVESTIGATION OF UNCERTAINTY IN A REGULATORY FRAMEWORK IN CONSTRUCTION

p. 35-39

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*The analysis of the regulatory framework in the construction of Ukraine and the review of modern electronic databases of regulatory documentation in the construction and building materials industry are carry out. The conditions of formation and the nature of uncertainty contained in the normative documentation of the industry are investigated. Improvement of the system of technical regulation in construction is proposed to be implemented by intellectualization of the information retrieval subsystem. The expediency of applying models of fuzzy mathematics to the formalization of information, which forms the ontology of the subject area of the control system of the regulatory base in construction, is substantiated*

**Keywords:** information resource, electronic database, uncertainty, technical regulation, environmental transformations

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**EFFECT OF PROGRESSIVE AND REPETITIVE PART METHODS AGAINST THE ACCURACY OF KICKING IN FOOTBALL EXTRACURRICULAR STUDENTS**

p. 40-44

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*The aim of the study was to determine the differences in the effect of the progressive and repetitive part method on the accuracy of the long pass kicks of the High School Football Extracurricular Students.*

*Subject Research 30 athletes. There is a difference in the effect of the progressive part method and the repetitive part method on the accuracy of the long pass kicks of the High School Football Extracurricular Students. The repetitive part method has a better influence than the progressive part method for the accuracy of the long pass kicks of the High School Football Extracurricular Students*

**Keywords:** Precision of The Stomach Kick, Progressive Part Method, Repetitive Part Method

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#### DEVELOPMENT OF SKILLS TRAINING MODEL ATTACKING FUTSAL BY USING SMALL GAME-SIDE 3 VS 3 TO IMPROVE BASIC SKILLS ON HIGH SCHOOL STUDENTS

p. 45-49

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*This research and development aims to develop an exercise model that will be useful and effective, can be used as a model to train students at high school level students. The result of the research is (1) the formulation of the basic mind-base technique of attacking the futsal using a small game in accordance with the training program consisting of 5 models of dasrawanan skill (CVR=1), (2) the feasibility test indicates that the developed model quality has «Very Good», and (3) Based on the results of the effectiveness test there is an effective against the basic teaching element that is mean pretest=75.88, meeting 1 =74.65, meeting 2=74.65, meeting 3=72.82, meeting 4 / posttest=71.32*

**Keywords:** Futsal Practice Model, Basic Skills, Small Game, Futsal Game

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