# ABSTRACT&REFERENCES

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**A COMPARATIVE ANALYSIS OF SORBENTS OF DIFFERENT ORIGIN TO REDUCE THE EXCESS OF ARSENIC IN POULTRY MEAT**

**p. 6–11**

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*The study deals with a number of problems associated with the accumulation of arsenic in the body of birds. The necessity of using sorbents for reduction the negative influence of arsenic on the organism is proved. The features of the sorption effect of sorbents of different nature in poultry tissues are studied. The advantages of Echinacea-based plant sorbent based are indicated. The advantages of using vegetable sorbents as feed additives in poultry farming are proved*

***Keywords:*** *arsenic, contamination, poultry meat, mixed fodder, sorbent, casein, sodium thiosulfate, Echinacea*

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**ASSESSMENT OF THE COMPETITIVENESS LEVEL OF NATIONAL UNIVERSITY OF SHIPBUILDING IN ZHOUSHAN CITY ON THE BASIS OF EXPERIMENTS WITH A SIMULATION MODEL**

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*A number of experiments were carried out with the simulation model of mutual influence of competitiveness factors that are performing various scenarios for design-making decisions aimed at balancing the key indicators of the National University of Shipbuilding in the market of educational services in China. The initial state of the simulated system was determined by the values of the parameters that determine the market share and the number of potential students in Zhoushan City*
***Keywords:*** *project management, simulation model, knowledge management, modeling, education systems*

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**ROLE OF RELIGIOUS ORGANIZATIONS OF THE YOUNG PEOPLE OF UKRAINE AS AN IMPORTANT SOCIAL COMMUNICATOR (IN THE EXAMPLE OF THE ACTIVITIES OF THE JOINT STUDENTS OF CHRISTIAN)**

**p. 19–23**

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*The article is devoted to the activity of the international interconfessional student movement of the Commonwealth of Students of Christians and its role as a social communicator among the student youth of Ukraine. Mass media (social networks, organized meetings, conferences, seminars, summer camps, travel) have been proven to*

*be effective tools for the dissemination of the concept of SCS, where students exchange messages and thoughts that contribute to the development of the ecumenical movement*
***Keywords:*** *social communication, Christian ecumenical movement, Commonwealth of Students of Christians, Christians, union*

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## INFLUENCE OF THE SEED SOWING RATE AND THE SOWING METHOD ON THE VARIABILITY OF BIOLOGICAL YIELD FOR SORGHUM GRAIN GIBRIDS

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*An influence of different variants of the seed rate and sowing method on the formation of the biological yield of grain sorghum hybrids in the conditions of the experimental field of KNAU named after V. V. Dokuchaev are studied. The share of different systems of sorghum grain in the formation of indicators of general biological yield of grain for the influence of the investigated technological factors is determined. The optimal combinations of seed sowing rates and sowing methods are established, which provide a more complete realization of the resource potential of plant productivity*
***Keywords:*** *grain sorghum, seed rates, sowing method, hybrid, biological yield of grain, system of stems*

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## QUALITY ASSESSMENT OF PREPRINT PREPARATION FOR BOOK EDITION

**p. 29–32**

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*The article proposes a methodical approach to the evaluation of the quality of the preprint preparation for book edition. Conditional groups of criteria for quality assessment of the book edition are formed. The chart of indicators for assessing the quality assessment of the book is proposed in the article. The ER-model of the database of the prototype of the information quality assessment system for preprint preparation is developed, which is based on the proposed structure of the book quality assessment indicators*
***Keywords:*** *preprint preparation, quality assessment, book publishing, information system, assessment criteria*

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## ANALYSIS OF COLLECTIVITY OF CLUSTERS ON THE IMAGE OF A DEFECT OF A "CRACK" TYPE BASED ON CONTRAST

**p. 32–38**

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*For the construction of the systems of technical diagnostics of building objects and constructions on the basis of digital representations the analysis of nets of spalling is conducted contiguous with the indicative elements on the image of a defect of a "crack" type. For the construction of nets of spalling the brightness channel of digital representation is used in digital space of GrayScale, methodology of construction of structures of color atlas on the image of a defect of a "crack" type. The obtained research results can be drawn on for the construction of algorithms of localization of image actually on the image of a defect of a "crack" type*
***Keywords:*** *crack, building, control, state, structure, atlas, localization, defect, color, contrast, classifier*

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## INVESTIGATION OF THE INFLUENCE OF LOCAL FORCE LOADS ON TRANSVERSAL-ISOTROPIC PLATES USING OF THE GENERALIZED THEORY OF {m, n}-APROXIMATION

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*The problem of the action of a local power load on a transversely isotropic plate is considered. The load is distributed evenly and acts in the direction normal to the median plane of the plate. Expressions for internal force factors obtained on the basis of the refined theory of {1,2}-approximation are considered. The influence of the elastic constants of a transversally isotropic material on internal force factors is analyzed*
***Keywords:*** *theory of {m, n}-approximation, stress-strain state, transversally isotropic plates, local loads, internal force factors*

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**FEATURES OF PROGRAMMING OF SPORTS ACTIVITIES FOR OLDER PEOPLE**

**p. 44–47**

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*The article deals with the peculiarities of organizational and methodological conditions of the creation of programmed complexes of physical exercises for older people taking into account such individual factors as: the individual's age, the level of his or her physical fitness, sports experience, sex, state of heath. Also, in the course of the development of sports programs for older people the nature of some biological processes ought to be considered*

***Keywords:*** *training program, features of programming, training of older people, preventive physical exercises, health physical exercises*

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**CULTURAL AND IDEOLOGICAL DIMENSIONS OF IVAN FRANKO'S FAIRY TALES AT THE END OF THE XIX CENTURY AND AT THE PRESENT STAGE**

**p. 48–52**

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*The article is devoted to the editions of Ivan Franco's fairy tales, written in the end of XIX century and their publications. The fairy-tale aspect of Ivan Franco's works in folklore is analyzed and paid attention to the*

*detailed research to the scientists of fairy tales. In this article the tendencies of editions of Ivan Franco's fairy tales are traced in development of publishing business at the end of XIX century and on the modern stage*
***Keywords:*** *fairy tale, fairy tale knowledge, folklore, publishing business, edition of fairy tales*

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