# ABSTRACT&REFERENCES

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## CALCULATION OF THE PROFITABILITY FACTOR OF THE JOINT EDUCATIONAL PROJECT WITH A CHINESE COLLEGE IN ZHOUSHAN CITY

**p. 6–13**

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*The implementation of joint educational projects with Chinese partners is perspective. For the preliminary assessment of the success of such projects, an innovative methodology for calculating the profitability factor of a joint educational project with a foreign college has been developed. This methodology is used to estimate the possibility of establishing a joint program with a college in Zhoushan city, Zhejiang Province*

***Keywords:*** *international educational program, methodology of calculation, profitability factor, Initial project analysis*

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## SYSTEMATIZATION OF MANAGEMENT ACCOUNTING PRINCIPLES AT THE ENTERPRISE

**p. 13–16**

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*It is stated in the investigation that not all commonly accepted accounting principles are suitable for use in management accounting. It is also systematized the main principles of management accounting with the association by various aspects, which are distinguished by different scholars with offering own principles. It is concluded that the principles are the result of each other or are interconnected, they are necessary for the organization of an adequate system of management accounting at the enterprise, the specifics of which activity must be considered*

***Keywords:*** *principles, management accounting, accounting, system approach, accounting information*

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**CONTRIBUTION OF ANATOLII ZAKHAROVYCH MOSKALENKO (1934–1999) IN THE DEVELOPMENT OF BASIC PRINCIPLES OF MODERN NATIONAL JOURNALISM**

**p. 17–19**

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*The article is devoted to the activity and contribution of the first director of the Institute of Journalism of the Taras Shevchenko National University of Kyiv, A. Moskalenko (1934–1999), to the formation of the basic principles of modern journalism in Ukraine, which until now have been guided by authoritative journalists in Ukraine. It is proved that pedagogical ideas and scientific developments of the scientist develop and grow through the work of his journalistic school*
***Keywords:*** *Ukraine, A. Moskalenko, modern national journalism, scientific and pedagogical activity, social communications*

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**ANALYSIS OF PARTIAL SOLUTION OF THE PROBLEM OF THE BREWER THEOREM IN IN-MEMORY DATA GRID**

**p. 20–24**

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*Key-value memory data grids combines approaches of BASE-systems and algorithms for updating indexes, that were calculated for the purpose of work in the global network. Brewer theorem, which includes such grids, argues that it's not possible to provide at once three main properties of such systems. In order to increase the consistency, it's purposed to use synchronous indexes for horizontally scaling indexes*
***Keywords:*** *Brewer theorem, IMDG, consistency, index, availability, distribution, key-value, RAM*

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**APPROXIMATION ANALYSIS OF MEASUREMENT OF HEAT FLOW BOMB CALORIMETER IN NON-STATIONARY MODE**

**p. 24–32**

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*The principle of functioning of a bomb calorimeter and methods of determining the heat of fuel combustion are studied. Experimental studies are conducted to determine the heat of combustion of wooden pellets. Based on the conducted studies, potential zones for reducing the time of establishing the results of measuring the bomb calorimeter are shown. The method of reducing the measuring time of heat of fuel combustion is proposed and its probabilistic characteristics are analyzed*

***Keywords****: bomb calorimeter, heat of fuel combustion, interpolation functions, determination coefficient*

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**NANODISPERSED $TiO_2$ DOPED BY SULFUR AS A SUPPLEMENT TO PACKAGING FOODSTUFFS**

**p. 33–36**

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*The results of the study of composite materials based on Titanium(IV) oxide doped by Sulfur, which have antibacterial activity, are presented. The influence of Sulfur concentration and conditions of preliminary temperature treatment on their antibacterial action in relation to bacteria Bacillus subtilis is investigated. It has been shown that nanodispersed $TiO_2$ doped by Sulfur and its packaging materials, have antibacterial activity in relation to the above-mentioned bacteria*

***Keywords:*** *packaging, nanodispersed Titanium(IV) oxide, dopant, Sulfur, antibacterial activity, Bacillus subtilis*

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**SYNTHESIS OF NOMOGRAM FOR THE CALCULATION OF SUBOPTIMAL CHEMICAL COMPOSITION OF THE STRUCTURAL CAST IRON ON THE BASIS OF THE PARAMETRIC DESCRIPTION OF THE ULTIMATE STRENGTH RESPONSE SURFACE**

**p. 36–45**

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*Based on the mathematical model describing the effect of carbon (C) and the carbon equivalent ($C_{EQ}$) on the ultimate strength (US) of structural cast iron, a parametric description of the response surface US = US (C, $C_{EQ}$) is performed. It is shown that, for the model considered in the form of a regression equation, the application of ridge analysis makes it possible to find a set of suboptimal values of the input variables (C, $C_{EQ}$) that ensure the production of specified grades of structural cast iron. A graphical representation of such sets forms a nomogram for calculating the suboptimal chemical composition of structural cast iron*

***Keywords:*** *structural cast iron, suboptimal chemical composition, regression equation, stationary region, ridge analysis, nomogram*

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**SCIENTIFIC ANALYSIS OF IVAN FRANKO'S LIBRARY AS STRUCTURE-FORMING UNIT OF THE WRITER'S ARCHIVE**

**p. 46–50**

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*The article researches the history of the beginning and forming of the Ivan Franko's library, basis of its sources, its role and place in the writer's creative legacy, importance for the national cultural legacy. The scientific analysis of the Ivan Franko's library has been presented, in particular, edited first and second volumes of its description, significance of this phenomenon for the modern history and criticism of literature development has been characterized. Archives, as the national depository of manuscript's and print's legacy, is the guarantee of efficiency in such researches*
***Keywords:*** *personal library, archives, literary sources, scientific description, testament, convolute, legacy*

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**INTERSEMIOTIC EXPRESSION OF HORROR IN MULTIMODAL DISCOURSE SYSTEM**

**p. 51–55**

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*The research focuses on explaining and delineation the notions of concept and emotional concept. Emotionality and the ways of its actualization in horror movies via iconicity principles in multimodal environment. It is proved that iconicity is a powerful tool for emotional impact, which at the same time functioning with the language and compensates language means, thereby causing emotional resonance between addresser and addressee (director and spectator)*
***Keywords:*** *emotional concept, emotionality, multimodal environment, screened version, spectator*

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