

**Economic Security**

**Timoshenko M.**

External Trade Liberalization in Russia's Accession to the World Trade Organization:  
Aftereffects for the Economic Development of the Republic of Belarus..... 3

The article analyzes positive and negative effects of external trade liberalization for the Republic of Belarus from a position of prospects for the country accession to the World Trade Organization and participation in the integration processes with the Russian Federation and Kazakhstan. The priority directions of internal and external economic policy in Belarus and leveling negative effects of external trade liberalization were defined.

**Methodology and Methods of Economic Analysis**

**Bondarenko O.,**

**Avdashkova L.**

Factor and Cluster Analyses of Internal Environment as Tools of Strategic Analysis  
of Marketing Organizations Activity of Consumer Cooperatives of the Republic of Belarus ..... 9

The article highlights the importance of strategic analysis of an organizations' internal environment. Consumer cooperatives of the Republic of Belarus are a part of agricultural sector of the Republic of Belarus, a diversified system, which has its share in such branches as industry, agriculture, procurement sector, public catering and trade. The paper presents an approach of using multivariate analysis in strategic marketing planning of organizations activity of consumer cooperatives of the Republic of Belarus. This approach includes the use of correlation and cluster analysis for the purpose of development of recommendations on the increase in overall scope of organizations' activity and increases of effectiveness of their functioning taking into account the most important internal environmental factors. The article is for the experts dealing with strategic management, university students, postgraduate students.

**Karpenko E.**

Statistical Methods of Quality Control of Products in Practice of Bread-making Plants..... 15

Theoretical foundation and research results of the possibility of applying statistical methods of quality control of products in practice of bread-making plants in the Gomel region are described in the paper and the regression model, which allows to determine the degree and quality effects of products on the level of its profitability were calculated.

**Lepeshev D.**

Tool Improvement of Deterministic Factor Analysis: Theoretical Aspects ..... 21

The article reveals the shortcomings of the formal use of the classical methods of analysis of the index changes of various indicators of economic activity and points out specific measures to overcome them. A new method of the analysis of the widest range of multivariate multiplicative model is provided and its higher efficiency in comparison with the existing methods is shown.

**Germanovich G.,  
Radikevich N.**

Challenges and Opportunities of Attracting Foreign Direct Investment into the Economy  
of the Republic of Belarus ..... 28

The article analyzes the world experience of attracting foreign direct investment (FDI) using the concept of the Investment Development Path by J. Dunning and R. Narula. Selection criteria for countries are increasing FDI inflows, significant positive effects on recipient economies and the similar stage of the Investment Development Path with that of Belarus. The authors identify the main competitive advantages of recipient countries having determining influence on the foreign investors' choice of the location of their activity, and perspectives of their development in Belarus.

**Pugacheva O.**

Regional Aspects of Innovation in the Field of Science and Education..... 40

The peculiarities of scientific-technical and innovative development of the region and its innovative infrastructure are considered in the article, adjectives of innovative activity in scientifically-educational sphere are researched and commercialization experience of high school innovations in the region is analyzed. On this basis the problems of formation of the management mechanism of innovative activity in the region come to light, and its perfection on the basis of integration of information resources is suggested.

**Goncharova E.**

Assessment of Eco-Economical Efficiency of Biodegradable Polymeric Films ..... 47

The article describes a methodology for calculating the economic effect of the polymeric materials adoption of new generation – biodegradable starch-filled films. This methodology is based on the method of comparing costs of their production and disposal with conventional packaging plastic wrap. A method of calculating the environmental effect is also considered, calculated by determining the avoided environmental damage from soil pollution and land pollution.

**Finance**

**Kikot I.**

Financial Structuring of Canned Fruit of Consumer Cooperatives Organizations ..... 52

Approaches of financial structuring of canned fruit organizations were developed in the article and the degree of their managerial flexibility was proved. The possibility of setting financial responsibility in terms of redistribution of costs between business processes identified in the financial structure was identified.

**Kaeshko T.**

The Possibilities of Modern Approaches of Financial Management and Controlling  
for Management Improvement of Payments with Suppliers and Buyers at Enterprises  
of Consumer Cooperatives..... 56

This article presents the current problems of non-cash management accounts at the manufacturing enterprises of consumer cooperatives. Important conditions of management accounts are considered. The basis of submitted developments in the field of management accounts are methodological approaches found in the economic literature and in the practice of organizations of economically developed countries.

## Consumer Market

*Syroed T.,  
Miklushova V.,  
Kolesnikova V.*

Creation of a Competitive Environment in the Trade of Consumer Goods  
and Consumer Cooperatives Role in it ..... 61

The article analyzes a competitive environment in the consumer goods and services market in the transition economy of the Republic of Belarus to the market economy, the main tendencies and directions of its development were revealed, the role of trade in consumer cooperation in this process were defined. The influence of the competition in the market of consumer goods on the trade services quality and employment-population in this area was estimated.

*Tomkovich M.*

Place and Role of Consumer Cooperatives on Modern Wholesale Market  
of the Republic of Belarus ..... 66

The article gives a snapshot of modern wholesale market of the Republic of Belarus. The analysis of the performance was carried out and the role of wholesale in maintenance of functioning of consumer cooperatives as a diversified economic complex was outlined. The prospects of functioning of wholesale as a component mechanism of the state interests realization were defined, in particular, the reduction of import purchases and the maintenance of unhindered access of domestic producers to the national consumer market.

## Modern Technology

*Sytsko V.,  
Kuzmenkova N.*

Features and Quality Requirements for Protective Fibers ..... 72

The research results of polyester fibers properties are presented modified on the crazing mechanism by luminescent dyes and colloidal solution, containing nickel particles, are presented in the article. For the first time discretely painted luminescent fibers were received in Belarus. The visual form and surface texture of fiber, penetration depth of modifying liquid, magnetic properties of fibers processed with colloidal solution, containing ferromagnetic particles were investigated. Fiber quality requirements for securities protection reflected in technological normative literature were studied and added.

*Burkin A.,  
Konovalov K.,  
Dolgan M.*

Service Properties of Thermoelastolayer soles ..... 77

The article deals with the basic requirements to the bottom of shoes, as well as test data of thermoelastolayer soles on such indicators as density, resistant properties, hardness, abrasion resistance to sliding, strength bonding material with cloth and resistance to repeated bending were analyzed.

***Kadolich J.,  
Delicatnaya I.,  
Tsvetkova E.***

Vegetable Oils: the Consumer Market, Adulteration, Quality Control Methods..... 82

The analysis of statistics on the production volume, sales and consumption of vegetable oils in the Republic of Belarus was presented. Predictive data on the production volume are obtained in 2012–2013. The types of adulterated vegetable oils and detection methods of adulterated product were considered. The suitability of finding new methods of rapid analysis of vegetable oils was justified.

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