

**COOPERATIVE MOVEMENT: THEORY AND PRACTICE**

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**Consumer Market of the Novosibirsk Region. P. 4**

The purpose of the article is to characterize the consumer market of the Novosibirsk Region, its advantages, difficulties, disadvantages, and development prospects. The wholesale trade with the first rating in the Siberian Federal District and the tenth in Russia is shown as successful. It is concluded that the Novosibirsk region has really become the wholesale-and-logistics center of Siberia. Another strategic position occupied (in retail) is increased supply of trading floors which exceeds the required standards. The author analyses retail services in the settlements, where stationary trade is poorly developed or absent; identifies the reasons for closing retail facilities; summarizes the data and analyses the results of state support. The paper highlights the role of consumer cooperation in rural trade.

**Key words:** consumer market of the region, Novosibirsk, wholesale-and-logistics center of Siberia, supply of trading floors, risk of closing trading facilities.

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**Develop and Collaborate with Retail Chains and Regional Consumer Union. P. 8**

The purpose of the article is to characterize the features of the territorial factor of the economy of the Novosibirsk District Consumer Union as a suburban organization servicing the population of 17 municipalities, competing with retail companies of the district and the city of Novosibirsk, the territory of which is attractive for expansion of retail chains. It is shown that even in these conditions of high competition the development is possible through collaborating with retail, introducing innovations and modern technologies, attracting young professionals.

**Key words:** suburban district consumer union, interaction with retail, procurement committee.

**TOPICAL ECONOMIC ISSUES**

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**Wage Inequality: How Large is the Contribution of the Discrimination? P. 12**

This study examines the wage inequality in Russia. Using the data of the Russia Longitudinal Monitoring Survey we conduct a decomposition of inequality to reveal the contribution of different factors. Among all factors, those ones that reflect the discrimination are considered. It is revealed that the overall contribution of these factors to the total inequality is lower than 10 percent.

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**Key words:** wage, inequality, discrimination, Gini coefficient, Theil index.

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**Pension Reform and Tourism for Retirees. P. 32**

The article discusses the impact of pension reform on tourism for people of retirement age. The paper provides characteristic features of organizing tourism for retirees emphasizing the social

orientation of this type of tourism. The authors provide some approaches to developing this type of tourism at the regional level in the Novosibirsk region.

**Key words:** pension reform, tourism for retirees, retirement age, tours for people of retirement age, natural and economic needs of retirees, destinations, recreation, social tourism.

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#### **Development of Chinese-Russian Tourism: Main Features and Trends. P. 37**

The article discusses current trends in the development of tourism business between Russia and China. In connection with the trend of increased mutual tourist interest, there is a need for the development of tourist routes, hotel industry, entertainment facilities. The authors analyze existing problems in the development of tourism business, in particular entertainment environment; examine possible ways of developing cooperation between the countries for the joint transformation and modification of tourism in accordance with tourist preferences.

**Key words:** tourism business, tourism, tourism trends, development vector, Chinese-Russian relations, entertainment objects.

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#### **Accounts Balance in the Luca Pacioli's Treatise. P. 42**

The article deals with the procedure for the formation of the balance sheet in Chapter 34 of the Treatise on Accounts and Records by Luca Pacioli. It is shown that the control procedure described by Luca Pacioli cannot be considered a trial balance.

**Key words:** accounting balance sheet, Luca Pacioli, accounting theory, history of accounting.

### **MATHEMATICAL METHODS IN ECONOMICS**

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#### **Determining the Dependence of Multidimensional Indicators of an Enterprise. P. 48**

The article presents an approach to identifying dependencies between groups of indicators. The dependencies are represented in the form of matrix equations. The solution of the problem is illustrated by the example of an enterprise, whereas elements of the resource potential of the enterprise and the performance results are taken as indicator groups.

**Key words:** resource potential, performance, column vector, matrix equation, functional dependence.

## TECHNOLOGY, QUALITY AND SAFETY OF CONSUMER GOODS

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### **Research of Quality Characteristics of Food Salt. P. 54**

Food salt is used in processing almost all food products to improve their consumer properties. The article presents the results of assessing the quality characteristics and competitiveness of salt of different brands. The analysis is based on the results of comparative research of packaging, organoleptic, physical and chemical indicators, as well as information on the label and declaration of conformity. The results obtained are necessary to provide Russian consumers with high-quality products.

**Key words:** food salt, quality, competitiveness.

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### **Quality Assessment of Butter with Flavoring Components. P. 61**

The article provides the results of assessing the quality of butter with flavoring additives (chocolate) sold in the retail chains of the city of Novosibirsk. It is concluded that all the products under analysis conform to requirements of regulatory documents and correspond to the information declared by producers in terms of packaging, weight, consumer labeling, organoleptic characteristics and thermal stability. At the same time the authors provide recommendations: to change the grouping of labeling information (for all manufacturers) and packaging design (for brands Siberian Leopard and White Castle).

**Key words:** butter with flavoring additives, quality assessment, characteristics.

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### **Marketable and Technological Properties of Dorset Ewe Wool. P. 65**

The article is devoted to the study of properties of a new type of wool obtained from ewes of Dorset breed in order to substantiate its entry into the state register of breeding achievements approved for application. The study is carried out in collaboration with LLC AgriVolga.

It is established experimentally that Dorset ewe wool is characterized by high quality indicators: white color, good uniformity in length and fineness in the staple, a sufficient amount of fat of cream color, normal clear crimpiness. The authors state that the sheep breed has future prospects for efficient use in agriculture. High marketable and technological properties of wool will allow it to confidently gain a foothold in the ranking of the main breeds bred in the territory of the Russian Federation.

**Key words:** wool properties, Dorset sheep breed, sheep breeding, production of semi-fine wool.

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**Quality Characteristics of Croissants Sold in Retail Chain of Khabarovsk. P. 70**

The article presents the results of studying the assortment structure and quality of croissants sold in the city of Khabarovsk. The authors' assumption about the low quality of Russian croissants in comparison with foreign ones is confirmed by the data of the product quality assessment: three out of five well-known brands do not meet the standard requirements for organoleptic indicators.

**Key words:** croissants, market, assortment, quality assessment, quality indicators.

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**Development of Assortment of Semi-Finished Flour Products and Their Trade Characteristics. P. 74**

The article presents the results of analyzing the assortment structure of semi-finished flour-based products sold in the retail chains of Vladivostok and consumer preferences regarding the choice of these products. It was concluded that waffles mixtures could become a new and promising type of semi-finished flour products. The authors develop a new range of semi-finished flour products for making waffles, the main component of which is a composite wheat and rye flour enriched with protein, dietary fiber, minerals and vitamins due to the use of lentil seeds.

**Key words:** semi-finished flour products, food concentrates, waffles, composite flour, lentils, nutrition value.

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**Quality and Competitiveness Assessment of Metal Kitchenware in the Market of Belarus. P. 78**

The article presents the results of quality and competitiveness assessment of metal kitchenware. The authors carry out a comparative assessment of metal pans of different manufacturers, provide conclusions. The assessment of competitiveness of the products under study is based on the evaluation of experts.

**Key words:** quality, competitiveness, metal kitchenware, pan.

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**Quality Characteristics of Dairy Products for Children of Preschool and School-Age Children: Promotion in the Market Using Web Technologies. P. 83**

The research is aimed at screening information, developing a database about the range and marketable properties of products suitable for nutrition of preschool and school age children and its presentation through web-technologies for corporate and individual use in the Republic of Belarus.

The authors determine the criteria according to which dairy products can be referred to this category of consumers, analyze 38 enterprises of the dairy industry of the Republic of Belarus and 1002 items of goods. The information is systematized and presented in the website layout. The site layout includes the following sections: Home page; About the Project; Parents and Professionals; Survey; Interesting Facts.

**Key words:** pre-school and school nutrition, market, specialty products, regulatory documents, systematization of identification criteria, marketing information, screening, dairy products, website layout.

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**Analysis of the Assortment Structure of Corsetry. P. 89**

This article presents the classification of corsetry, describes requirements to the products, and provides the results of analyzing assortment structure in a corsetry shop Aphrodite carried out according to four main criteria. The analysis reveals that the corsetry is marketed on the basis of consumer preferences.

**Key words:** corsetry, bra, consumer properties, LLC Aphrodite, assortment structure.

## SCIENTIFIC HERITAGE

*Oldak P. G., Doctor of Science in Economics, Professor (1923–2011)*  
**Civil Society and Cooperative Movement in a New Century. P. 96**