

### COOPERATIVE MOVEMENT: THEORY AND PRACTICE

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#### **Cooperation as “Daughter of Needs and Mother of Welfare”: Do the Cooperative Idea and Cooperative Practice Hold the Relevance? P. 3.**

The article analyzes the current contradictions and difficulties of the Russian cooperation development and focuses on the relevance of the cooperative idea for the sustainable positive dynamics of the society. It is shown that in the conditions of market economy, cooperative issues have gone out of sight of state authorities and social scientists. At the same time, cooperation retains its economic and social potential for solving urgent problems in the development of the society.

**Key words:** cooperation, consumer cooperation, cooperative strategy, social institution.

### TOPICAL ECONOMIC ISSUES

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#### **Digital Technology in Regulating the Dairy Industry of the Region. P. 10.**

The article considers the development of an effective digital technology for regulating organizations in the dairy industry. To achieve this goal, it is proposed to use simulation modeling based on the use of Petri nets theory. The methodological base of the study includes not only the formal theory of Petri nets, but also the theory of its practical application. The paper demonstrates the main stages of the evolution of a simple Petri net to the innovation diversification network, which is proposed for the simulation of technological processes and systems of organizations in the dairy industry. The authors state that the tools of innovation diversification Petri nets can be effectively applied for modeling in the dairy industry at any level.

**Key words:** dairy industry, regulation, simulation modeling, innovation diversification network, digital technology.

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#### **Citizen Appeals on Labor Disputes in the Regional Labor Market: Analysis of Dynamics. P. 23.**

The article considers the current state of the labor relations regulation in the labor market of the Novosibirsk region. The authors provide statistics on the number of appeals and questions of

citizens to the Labor Inspection. The authors identify the main categories of problems regarding violation of labor legislation and analyze the results of citizen appeals on labor disputes.

**Key words:** labor market, labor legislation, labor inspection, dismissal, salary, categories of problems.

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**Food Security of Russia: Assessment of Hypothetic and Real Threats. P. 28.**

The article assesses hypothetical and real threats to food security for the Russian population. The author analyzes the current state of food security, estimates the economic affordability of food, and proposes ways of strengthening the food security of Russia.

**Key words:** food security, threats, agribusiness, import, agricultural production.

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**Methodical Approaches to Developing an Effective Motivation System: Research Analysis and Synthesis. P. 39.**

The article considers applying the basic methods of scientific research (analysis and synthesis) in the study of the methodological approaches to developing an effective system of staff motivation in modern organizations. The authors describe the main approaches to the study of job motivation and identify the advantages of using an integrated approach to the study of job motivation based on the analysis and synthesis of the motivation environment.

**Key words:** job motivation, research methods, methodological approaches.

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**Research Method of Observation in Developing an Effective Management Team in a Trade Company. P. 44.**

The article discusses the concept of a team and its role in achieving the goals of an organization, the principles of team effectiveness, and reveals the features of managing a trade company. The use of observation as an empirical research method characterizes a highly professional level of management. The authors provide the sequence and the contents of the observation stages regarding team work in a trade company. Observation can be differentiated from other empirical methods by its purposefulness, organization and systematic perception of the external world phenomena and objects, and by non-interference of the researcher in the actions of the object under research.

**Key words:** research method, observation, observation stages, management, trade organization, team, principles of team effectiveness.

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### **Analytical Procedures of the Investment Audit. P. 50.**

The article emphasizes the importance and significance of audit services for participants of an investment process of audit service, defines differences in approaches to the investment audit. The article presents the analysis and comparative characteristics of the previous and current regulation of analytical audit procedures in the Russian Federation, the system of analytical procedures in the investment audit.

**Key words:** audit, investment, analytical procedures, investment activity, pre-investment audit.

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### **Development of Specialists Competencies in Multilevel Companies for the Purpose of Preparing Consolidated and Segmented Reporting. P. 57.**

The article outlines the development prospects of approaches to the formation of public reporting of multilevel companies. The author determines the competences of specialists for preparing and analyzing statements in such companies. Due to globalization, the legal regulation in accounting and audit is being transformed towards the unification of rules and procedures at the supranational level. It is concluded that with the development of specialists' relevant competencies, it can have a positive impact on the competitiveness of domestic multilevel companies.

**Key words:** multilevel companies, business units, consolidated reporting, segmented reporting, international activities in accounting and auditing.

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### **Demand, Supply and the Dynamics of the Bitcoin Exchange Rate. P. 61.**

Crypto currency has existed for more than a decade and has millions of users. Like any other currency, crypto currency is subject to exchange rate fluctuations. However, these fluctuations have extremely high volatility. In the recent past, the cost of the most common crypto currency – bitcoin – has dropped significantly, but at the moment it shows rapid growth. The article attempts to determine the main causes of fluctuations in the exchange rate of bitcoin, as well as to assess how supply and demand for crypto currency influences its exchange rate changes.

**Key words:** crypto currency, bitcoin, demand for crypto currency, exchange rate fluctuations.

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### **Enterprise Production Potential: Evaluation and Efficiency of Use. P. 65.**

The article investigates the concept of the enterprise production potential, discusses methodological approaches to its assessment, and provides a set of individual indicators for assessing the efficiency of production potential use in accordance with the resource paradigm in relation to material, human and information resources. The author highlights the need for considering the specific industry characteristics of enterprises and the system of typical performance indicators of production potential with the use of multivariate factor analysis method.

**Key words:** enterprise potential, production potential, components of the enterprise production potential, approaches and methods of assessing the enterprise production potential, production resources.

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**Improving the Quality of Medical Services on the Basis of Lean Production Tools. P. 71.**

This article emphasizes the need to apply lean manufacturing tools at the current stage of healthcare development in the Russian Federation. The author presents the flow chart of creating value in providing a medical service on the example of City Children's Clinical Emergency Hospital of the Novosibirsk Region. The combined use of lean manufacturing tools and the Six Sigma method is proposed to improve the quality of medical services.

**Key words:** lean manufacturing, Six Sigma method, healthcare, quality of medical services.

## MATHEMATICAL METHODS IN ECONOMICS

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**Optimum Management of the Subsystems of a Complex System. P. 77.**

The article presents a methodology for managing the economic potential of a complex system consisting of a set of subsystems. The levels of economic potentials of both subsystems and the system as a whole are determined by complex and integral estimates calculated on the basis of indicators. In fact, the authors provide the solution of the boundary value problem of system analysis. The methodology is useful for ensuring the balanced development of economic clusters.

**Key words:** system, subsystem, optimization, economic potential, integrated assessment, economic cluster, balanced development.

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**Principles of Sustainable Regional Development. P. 81.**

The article proposes formulating and implementing the principles of sustainable development of the region. In the scientific community, within the framework of this problem, such categories as stability and sustainability are considered synonymous. The authors distinguish between them and determine the sustainability of the regional social and economic development as a balance of the economic, environmental and social spheres of the region. The basic principles of the regional social and economic development are an increase in the efficiency of energy use, transition to renewable energy sources, regeneration of materials, revival of the biological base, and transition to a new system of values. Following these principles will ensure sustainable development of territories both nationally and regionally.

**Key words:** region, sustainable development, principle, resources, social and economic development.

## EDUCATION ISSUES

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### **Developing the Personal Agency of Students. P. 85.**

The article considers the concept of “personal agency” manifested in the abilities for independence, self-regulation and self-development, ensuring students’ success in their studies and work. The author examines the structural components of student personal agency (social intelligence and locus of control, social intelligence and personal anxiety, self-esteem) on the basis of empirical research and discusses the trends in their development.

**Key words:** personal agency, social intelligence, abilities, self-esteem, anxiety, locus of control, self-regulation, self-development.

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### **The Model of Organizing Social and Psychological Support for Students. P. 93.**

The article raises the problems of developing managerial competencies of secondary vocational education students, providing social and psychological support for students, organizing their independent study as an organizational and pedagogical condition for development.

**Key words:** upbringing, psychological and pedagogical support, psychological service, organizational and pedagogical conditions, training of qualified personnel, secondary vocational education system, independent work of students, managerial competencies.