



Editorial Introduction

Dear colleagues, as we have already reported, 2019 was very successful in the development of new partnerships and this special edition is the result of a partnership between the *Independent Journal of Management & Production (IJM&P)* and the Organizing Committee of the V International Conference on the *Integration System of Education, Science and Production in the modern information space (ISE, S&P)* carried out by the Ternopil State Experimental Agricultural Station, Ternopil National Economic University and its partners from Ukraine, Poland, Belarus and Kazakhstan in October 2019.

The special edition proposed between this partnership, aims to use the concept of technological, technical, environmental, social and economic problems and the main directions of the integration of Education, Science and National Production, and includes theoretical analysis and empirical material.

The first paper in this collection, by *Olena Knysh and her co-authors* is entitled “Strategies in planning research integrity training”. The authors in their study aim to discuss key motivational factors that affect the effectiveness of honesty training for early career researchers at Ukrainian universities in order to identify possible gaps in the implementation of honesty studies in research at the institutional level; emphasize the role of education in promoting research integrity; explore the key factors affecting the professional development of a researcher at the beginning of a career.

Nataliia Semenyshena et al established the essence and identification of the components of institutional accounting theory and substantiate the role and impact of these components on the national economy through the example of standardization. The author’s general scheme of the institutional paradigm of institutional accounting and the approach to the development of his theory was built in the study based on a theoretical, empirical generalization, taking into account positive foreign experience, national scientific views and traditions.



The examples of changes in GDP after the introduction of accounting standards (which are a structural component of institutional accounting theory) in the 8 largest countries of the world are given as an argument for the positive impact of institutional pragmatics on the national economy. It is proved that the dynamics that can be used to identify the impact of accounting standardization on a country's economy may be the dynamics of its GDP.

Savitska's and her co-authors research is to reveal the importance of investment for the development of agriculture and rural areas of Ukraine and develop recommendations to enhance investments in the Ukrainian rural areas. The authors proposed a model for the formation of investment support for sustainable rural development has been developed, which, in their opinion, that in order to activate the sustainable development of rural territories, will help to streamline and allocate financial and investment resources and improve rural investment activities.

Kozachenko, Zavora, and Shapoval discuss the interrelation and interdependence between the country's Lombards activities and social security of the country. The growth rate of pawnshops activity in Ukraine is determined on the basis of the method of estimating the integral indicator by the authors. In addition, by means of correlation analysis, the nature and specifics of the influence of social security indicators on the activity of pawnshops in Ukraine are revealed.

Andrushkiv et al conducted a comparative analysis of the main indicators of ecological sustainability in Ukraine and European countries and studied the economic indicators of nature use in Ukraine. The key criteria for corporate environmental responsibility have been identified by the authors and a list of factors affecting the environmental responsibility of the enterprises has been formed. In conclusion, the conceptual framework of corporate environmental responsibility in Ukraine with application European principles and approaches for creating a favourable business environment has been developed by the authors.

Radchenko with her co-authors conducts the study of financial balance in order to determine the supply and demand of financial resources for the agricultural sector. They take into account the factors shaping the economic relations of the personified forms of capital movement. The authors conclude that sustainable agrarian development requires strategic planning of financial resources for a variety of their sources and state regulation of this process.

The areas of application of mathematical and statistical methods for determining the prognostic model of rural development on the example of all Ukraine taking into account the



economic, social and environmental components are explored in *Sava's et al* article. They characterize the economic, social and environmental component and determine some impact on the functioning of the country's territorial system as a whole. The mathematical expression of the prognostic model of rural development is established using the regression analysis. The authors expect that this study will help public authorities make more effective decisions on addressing key issues of social and economic processes in rural areas of individual regions, Ukraine as a whole and other countries.

Svidruk, Topornytska and Melnyk investigate the current state and possible prospects of creative tourism development in the Ukrainian part of the Carpathians, in particular, mountain recreational zones of Skole district of Lviv region, conduct situational analysis of possible scenarios for tourism business. As a result of the studies the directions and tools of the innovative restructuring of the tourist model of Skolivschyna are proposed by the authors to enhance its creative component.

The study by *Kalnitska et al* are devoted to the analysis of the transformation of the social development of Ukraine and the determination of a system of target priorities designed to ensure the effectiveness and efficiency of state social policy. The research results by *Kalnitska et al* indicate a critically high growth rate of poverty, the growing dependence of Ukrainian citizens on social support from the state.

Portovaras et al present a position on the organization of a small business entity management system that reflects the links between processes and events in a market environment. The presented approach takes into account a number of elements of influence on a small business when forecasting its development in a strategic perspective. The results of their study showed that it is necessary to clearly identify the tasks at each stage of development of a small business entity, to form alternative models of its development by looking for ways to optimize activities and opportunities to avoid possible risks.

Khorunzhak with her co-authors conducted a study of the current audit quality control system in Ukraine to develop proposals according to the main areas of its development and improvement based on the positive foreign experience and criteria determined by users of audit services. The authors have substantiated the necessity of introducing social (public) supervision, developing internal audit quality control, increasing the responsibility of audit entities and hope that the recommendations provided will help overcome the identified shortcomings associated with the quality parameters of the audit services provided in Ukraine



Lohosha's et al paper analysed and evaluated the institutionalization of the agricultural market in Ukraine and the European Economic Community. The authors conducted a study devoted to the analysis of the regulatory and legal framework in the field of market economy building and state regulation of the agricultural market in Ukraine during the 1990s-2020s and proposed a model of the process of institutional support of the market reforms in Ukraine.

Domaratskyi et al article is dedicated to the research of analysis of the dependence of growth and development of winter wheat varieties Khersonska Awnless and Odeska 267 on conditions of moisture provision and mineral nutrition status, impact of indicated factors and formation of yielding capacity and grain quality.

The paper of such researchers as Kuznetsova, Vidomenko and Karpenko deals with the main problems of port elevators, which lead to incomplete use of their capacities. According to these authors, the proposed components of operational management technology (graphic model and model of the operational map of the implementation of the operational function), provide information on the rational sequence and interoperability of operations planning, and through synchronization of work, the loss of the operation time of the port elevator can be reduced.

Tryhuba et al conducted a study of the effect of variable conditions of production and operation in logistic systems of milk collection on the values of their functioning. The authors propose a method that makes it possible to solve the problem on the coordination of content with varying production conditions. The research will be useful to managers who perform operational planning in logistics milk collection systems

We would encourage readers to continue this development by submitting themed in various fields of knowledge papers to future issues.

As Chief and Quest Editors, we would like to thank our co-editors and the contributors, as well as the other members of the editorial collective who have provided support and encouragement. Moreover, that they have contributed to the Journal in recognition of the international scientific community. We appreciate the intense participation of all colleagues, which has made our journal become a place of wide dissemination of knowledge.

We hope that our effort in publishing this Special Edition will be useful to our subscribers, as well as to the international scientific community.

The following content will be presented with the titles, authors and the pages of all of the articles published in this edition issue.



EDITORIAL VOLUME 11, ISSUE 8 (801-806)

Paulo Cesar Chagas Rodrigues, Nataliia Semenysheva
DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1164>

STRATEGIES IN PLANNING RESEARCH INTEGRITY TRAINING (EVIDENCE OF UKRAINE) (556-570)

Olena Knysh, Oksana Liaska, Iryna Bielinska, Iryna Levandovska, Olena Vasylieva
DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1204>

INVESTMENT PROVIDING SUSTAINABLE DEVELOPMENT OF RURAL AREAS IN UKRAINE (571-586)

Svitlana Savitska, Svitlana Zaika, Lyudmyla Svystun, Liubov Koval, Yuliia Haibura
DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1218>

LOMBARD ACTIVITIES AND SOCIAL SECURITY OF THE COUNTRY: INTERRELATION AND INTERDEPENDENCE (587-599)

Ganna Kozachenko, Taina Zavora, Liudmyla Shapoval
DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1219>

PROSPECTS FOR IMPLEMENTATION OF CORPORATE ENVIRONMENTAL RESPONSIBILITY CONCEPT: THE EU EXPERIENCE FOR UKRAINE (600-614)

Bohdan Andrushkiv, Liliya Melnyk, Viktor Palianytsia, Olena Sorokivska, Roman Sherstiuk
DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1220>

FINANCIAL RESOURCE BALANCE OF THE AGRICULTURAL SECTOR: THE CASE OF UKRAINE (615-625)

Oksana Radchenko, Inna Tsvihun, Iryna Yasinetska, Liubov Budniak
DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1221>

SUBSTANTIATION OF MODELS FOR FORECASTING THE REGIONAL SOCIAL AND ECONOMIC RURAL DEVELOPMENT (626-639)

Andriy Sava, Vitalii Biskup, Inna Petruk, Nataliia Pokotylska, Pavlina Fuhelo
DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1223>

DEVELOPMENT OF CREATIVE TOURISM AS A MANAGEMENT TOOL FOR RECREATIONAL DEVELOPMENT OF ECONOMICALLY DEPRESSIVE REGIONS OF UKRAINIAN CARPATHIANS (640-660)

Irena Svidruk, Mariia Topornytska, Iryna Melnyk
DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1224>

ANALYSIS AND TARGET PRIORITIES OF SYSTEM AND STRUCTURAL TRANSFORMATION OF THE UKRAINIAN SOCIAL SPHERE (661-679)

Marina Kalnitska, Valeriia Smochko, Radmila Pidlypna, Orystlava Sydorчук
DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1225>

MANAGEMENT OF SMALL BUSINESS ENTITIES (680-694)

Tetiana Portovaras, Zhanna Harbar, Ihor Sokurenko, Iuliia Samoilyk
DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1226>



THE INSTITUTIONALIZATION OF ACCOUNTING: THE IMPACT OF NATIONAL STANDARDS ON THE DEVELOPMENT OF ECONOMIES (695-711)

Nataliia Semenyshena, Nadiya Khorunzhak, Zenovii-Mykhailo Zadorozhnyi

DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1228>

QUALITY CONTROL OF AUDITING: UKRAINIAN PROSPECTS (712-726)

Nadiya Khorunzhak, Iryna Belova, Olha Zavytii, Viktor Tomchuk, Viktoriia Fabiianska

DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1229>

INSTITUTIONALIZATION OF THE AGRARIAN MARKET IN UKRAINE: GENESIS, EVALUATION AND ANALYSIS (727-750)

Roman Lohosha, Larysa Mykhalchyshyna, Anatolii Prylutskyi, Oksana Kubai

DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1232>

ANALYSIS OF THE DEPENDENCE OF WINTER WHEAT YIELDING CAPACITY FORMATION ON MINERAL NUTRITION IN IRRIGATION CONDITIONS OF SOUTHERN STEPPE OF UKRAINE (751-761)

Yevhenii Domaratskyi, Ruslan Mialkovskyi, Olena Koberniuk, Oksana Muliarchuk, Petro Bezykonnyi

DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1036>

TECHNOLOGY OF OPERATIONAL MANAGEMENT IN THE ACTIVITIES OF PORT ELEVATORS (762-782)

Inna Kuznetsova, Iryna Vidomenko, Yuliya Karpenko

DOI: <http://dx.doi.org/10.14807/ijmp.v11i8.1203>

MANAGERIAL DECISIONS IN LOGISTIC SYSTEMS OF MILK PROVISION ON VARIABLE PRODUCTION CONDITIONS (783-800)

Anatolii Tryhuba, Oleksandr Hridin, Nataliia Slavina, Iryna Mushenyk, Ella Dobrovolska

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