INTERNATIONAL SCIENTIFIC AND PRACTICAL CONFERENCE

SCIENCE AND TECHNOLOGY: NEW APPROACHES AND DEVELOPMENT STRATEGIES



Conference date: February 10,2026

London

M.V. Lomonosov Moscow State University (Russian Federation)
Tomsk State University (Russian Federation)
L.N. Gumilyov Eurasian National University (Republic of Kazakhstan)
M. Kozybayev, North Kazakhstan University (Republic of Kazakhstan)
Osh State University (Kyrgyz Republic)
Ankara University (Türkiye)
Academic Research Publisher (United Kingdom)
UniScience journal (Republic of Uzbekistan)

****

MATERIALS

The international scientific-practical conference

«SCIENCE AND TECHNOLOGY: NEW APPROACHES AND DEVELOPMENT STRATEGIES»

Moscow, Astana, Petropavlovsk, Tashkent, Osh, Tomsk, Ankara
February 10, 2026

TOM II

****

Science and Technology: New Approaches and Development Strategies //Materials International Scientific-Practical Conference. Moscow, Astana, Petropavlovsk, Tashkent, Osh, Tomsk, Ankara. February 10, 2026.

Editorial board of the conference

Temnova L.V. - DSc, Professor (Moscow, Russia); **Sagatbayev Y.N.** - PhD, professor (Astana, Kazakhstan); **Duyshenaliev CH.D.** - DSc, Professor (Bishkek, Kyrgyzstan); **Pashkov S.V.** - PhD, professor (Petropavlovsk, Kazakhstan); **Khakimov K.A.** - PhD, docent (Tashkent, Uzbekistan); **Melekoglu M.** - DSc, professor (Eskisehir, Turkey).

The event aims to discuss contemporary research across various scientific fields, exchange new scientific ideas, and support scientific activities aligned with global innovative processes.

Within the conference framework, scientists, researchers, young scholars, and practicing specialists will have the opportunity to present their research findings, exchange scientific ideas, and expand international collaboration.

The main objective of this International Scientific-Practical Conference is to consolidate the results of contemporary research across various scientific fields and strengthen the integration of science and practice through advanced scientific approaches.

**The authors are responsible for the content of the articles, the information, facts, and figures presented therein.*

The proceedings of the International Scientific-Practical Conference have been discussed by the Scientific-Technical Council of the international publisher **„Academic Research Publisher“** (London, United Kingdom) and recommended for publication (February 8, 2026, Protocol No. 3).

💼 ECONOMICS, MANAGEMENT, AND SUSTAINABLE DEVELOPMENT STRATEGIES 11

HUDUDIY AVTOMOBIL SERVIS MARKAZLARI FAOLIYATINI TAKOMILLASHTIRISH YO‘LLARI 12

THE IMPACT OF CLIMATE CHANGE ON AGRICULTURAL PRODUCTION AND ECONOMIC LOSSES 21

AN INTERPRETABLE ANALYSIS OF RESIDENTIAL APARTMENT RENTAL PRICES IN TASHKENT USING LINEAR REGRESSION 29

MONOPOL KORXONALAR BOSHQARUVIDA DAVLAT ISHTIROKINING RAQOBATGA TA’SIRI 42

ОЦЕНКА ЭФФЕКТИВНОСТИ ЭКОНОМИЧЕСКИХ МЕР ПО РАЗВИТИЮ ЭКСПОРТА УСЛУГ В СЕКТОРЕ ОБСЛУЖИВАНИЯ..... 49

GILOS DANAGIDAN OLINADIGAN MOYLARNING ISTIQBOLI VA SOHANING MAVJUD IMKONIYATLARI..... 57

OZIQ-OVQAT SANOATI KORXONALARIDA ISHLAB CHIQARISH RESURSLARIDAN FOYDALANISH SAMARADORLIGINI OSHIRISHNING SANOAT-IQTISODIY ASOSLARI 62

SMALL BUSINESSES: UNLOCKING A BETTER QUALITY OF LIFE IN UZBEKISTAN..... 68

SCIENTIFIC AND THEORETICAL ASPECTS OF INCREASING THE VALUE ADDED OF FRUIT AND VEGETABLE PRODUCTS..... 74

INVESTITSIYA JARAYONLARI NAZARIYASI: INVESTITSIYA MOHIYATI, TURLARI HAMDA IQTISODIY SAMARADORLIKKA TA’SIRI..... 79

QIMMATLI QOG‘OZLAR QIYMATINI BAHOLASHNING METADOLOGIK VA AMALIY MASALALARI..... 87

MOLIYAVIY NATIJALARNI SHAKLLANTIRISHDA XARAJATLAR VA DAROMADLAR HISOBINING TASHKIL ETILISHI 102

THE MODERN STRATEGIES OF PERSONNEL MANAGEMENT IN THE TOURISM SECTOR..... 109

O‘ZBEKISTON EKSPORT SALOHIYATINI OSHIRISHDA RAQAMLI TRANSFORMATSIYA VA INNOVATSION YONDASHUVLAR: XALQARO TAJRIBA VA MILLIY MODEL 114

EKOLOGIK TADBIRKORLIK SUB’EKTLARI BARQARORLIGINI BAHOLASHDA INTEGRAL INDEKS METODOLOGIYASI VA MONITORING TIZIMI..... 124

KORXONADA RESURSLARDAN SAMARALI FOYDALANISH VA UNING BARQAROR RIVOJLANISHGA TA’SIRI 131

AGROKLASTER FAOLIYATI TASHKIL ETILISHINING HUQUQIY - ILMIY ASOSLARI 136

1. **Islam I.** Poverty, Employment and Wages: An Indonesian Perspective // Labour Market Policies and Poverty Reduction Strategies in Recovery from the Asian Crisis: Report of a seminar held in Jakarta, 29 April – 1 May 2002. – Bangkok, 2002.
2. **Ayyagari M.**, **Beck T.**, **Hoseini M.** Finance and Poverty: Evidence from India. CEPR Discussion Paper No. 9497. – London, 2013.
3. **Banerjee A.**, **Newman A. F.** Occupational Choice and the Process of Development // Journal of Political Economy. – 1993. – Vol. 101. – P. 274–298.
4. **Wong P. K.**, **Ho Y. P.**, **Autio E.** Entrepreneurship, innovation and economic growth: Evidence from GEM data // Small Business Economics. – 2005. – Vol. 24. – P. 335–350.
5. **Schumpeter J. A.** Capitalism, Socialism and Democracy. – New York, 1942.
6. **Valliere D.**, **Peterson R.** Entrepreneurship and economic growth: Evidence from emerging and developed countries // Entrepreneurship and Regional Development. – 2009. – Vol. 21, No. 5–6. – P. 459–480.

SCIENTIFIC AND THEORETICAL ASPECTS OF INCREASING THE VALUE ADDED OF FRUIT AND VEGETABLE PRODUCTS

Gulomov Laziz Khudoyberdievich
Saidova Gulnoza Tulkunovna
Karshi State Technical University

Abstract. *This article examines the scientific and theoretical aspects of increasing the value added of fruit and vegetable products. The study provides a*

theoretical analysis of the mechanisms for value added formation in the agricultural sector, as well as the interrelationships between production, storage, processing, and marketing processes. In addition, the factors contributing to improved economic efficiency through maintaining product quality, reducing losses, and adapting to market requirements are highlighted. Based on a review of scientific literature and existing conceptual approaches, priority directions for improving the value chain of fruit and vegetable products are identified. The research findings are of significant importance for the development of scientific and practical recommendations aimed at increasing value added in the agricultural sector.

Keywords: *value added, fruit and vegetable products, value chain, agricultural economics, processing, logistics efficiency.*

Annotatsiya. *Mazkur maqolada meva-sabzavot mahsulotlarining qo‘shilgan qiymatini oshirishning ilmiy-nazariy jihatlari tadqiq etilgan. Tadqiqotda agrar tarmoqda qo‘shilgan qiymatni shakllantirish mexanizmlari, ishlab chiqarish, saqlash, qayta ishlash va realizatsiya jarayonlarining o‘zaro bog‘liqligi nazariy jihatdan tahlil qilinadi. Shuningdek, mahsulot sifatini saqlash, yo‘qotishlarni kamaytirish va bozor talablariga moslashtirish orqali iqtisodiy samaradorlikni oshirish omillari yoritib berilgan. Ilmiy adabiyotlar va mavjud konseptual yondashuvlar asosida meva-sabzavot mahsulotlari qiymat zanjirini takomillashtirishning ustuvor yo‘nalishlari aniqlangan. Tadqiqot natijalari agrar sohada qo‘shilgan qiymatni oshirishga qaratilgan ilmiy va amaliy tavsiyalar ishlab chiqishda muhim ahamiyat kasb etadi.*

Kalit so‘zlar: *qo‘shilgan qiymat, meva-sabzavot mahsulotlari, qiymat zanjiri, agrar iqtisodiyot, qayta ishlash, logistika samaradorligi.*

Аннотация. *В данной статье исследуются научно-теоретические аспекты повышения добавленной стоимости плодоовощной продукции. В исследовании с теоретической точки зрения проанализированы механизмы формирования добавленной стоимости в аграрном секторе, а также взаимосвязь процессов производства, хранения, переработки и реализatsiи продукции. Кроме того, освещены факторы повышения экономической*

эффективности за счёт сохранения качества продукции, снижения потерь и adaptatsii к требованиям рынка. На основе анализа научной литературы и существующих концептуальных подходов определены приоритетные направления совершенствования цепочки создания стоимости плодоовощной продукции. Результаты исследования имеют важное значение для разработки научных и практических рекомендatsiй, направленных на повышение добавленной стоимости в аграрной сфере.

Ключевые слова: *добавленная стоимость, плодоовощная продукция, цепочка создания стоимости, аграрная экономика, переработка, логистическая эффективность.*

Introduction. Fruit and vegetable products are not only an essential source of nutrition for human health but also a significant segment of the agricultural economy. Today, increasing competitiveness in this market, expanding export potential, and raising producers' income are issues of critical importance. From this perspective, the process of increasing the value added of fruit and vegetable products requires careful attention.

Fruit and vegetable production plays a significant role in providing the population of our country with food products. Based on this, in order to further improve the activities of fruit and vegetable producing farms in agriculture, on December 11, 2019, the President of the Republic of Uzbekistan adopted Decree No. PQ-4549, titled "On Further Development of the Fruit, Vegetable, and Grape Sector and Additional Measures for Creating a Value-Added Chain in the Sector." The tasks outlined in this decree currently cover issues related to the improvement of organizational and economic mechanisms of fruit and vegetable farms, the application of modern management methods, the increase of production volumes, and the adaptation of product quality to international standards.

Value added refers to the economic, quality, and logistical value incorporated into a product during its production and delivery to the consumer. In the fruit and vegetable sector, the formation of value added involves several stages: cultivation,

harvesting, storage, processing, transportation, and marketing. Each stage has a direct impact on product quality, loss levels, and economic efficiency.

In recent years, scientific literature has extensively addressed the issues of fruit and vegetable production, optimization of the value chain, maintenance of quality, and efficient use of resources. At the same time, there is a growing need to develop strategies for increasing the value added of products based on theoretical approaches and practical experience.

The aim of this study is to examine the scientific and theoretical aspects of increasing the value added of fruit and vegetable products, analyze each stage of the value chain, and develop recommendations aimed at enhancing efficiency in the agricultural sector. The research findings can be applied not only in scientific terms but also practically in the production and processing of fruit and vegetable products.

Main Part. Increasing the value added of fruit and vegetable products is one of the key tasks in today's agricultural economy. Currently, fruit and vegetable products are among the most important sectors of agriculture. Enhancing the value added of these products is particularly important for ensuring the population's access to high-quality food, increasing export potential, and raising producers' income.

Value added refers to the economic and quality-related value incorporated into a product during its production, which serves to increase its market price and competitiveness. In the fruit and vegetable sector, the formation of value added involves several key processes: cultivation, harvesting, storage, processing, transportation, and marketing.

From a scientific and theoretical perspective, each stage directly affects product quality, loss levels, and economic efficiency. For example, after harvesting, maintaining proper temperature control, organizing rapid transportation, and ensuring appropriate storage conditions help preserve quality and reduce losses. During the processing stage, preparing products in various forms—such as canning, cooling, and packaging—increases value added and facilitates adaptation to market demand.

Uzbek economists and scholars (Q. Abdurakhmonov, B. Berkinov, Sh. Mustafaqulov, and others) emphasize in their research that developing the value-added chain in the agricultural sector is a key direction for increasing export potential, raising farm incomes, and ensuring food security.

Moreover, optimizing the value chain of fruit and vegetable products is closely linked to scientific theoretical approaches. Literature notes that an efficient value chain ensures a seamless connection between producers and consumers and enables the rational use of resources. In addition, logistics efficiency, storage technologies, and marketing strategies have a direct impact on increasing value added.

REFERENCES

1. Decree of the President of the Republic of Uzbekistan No. PQ-4549 of December 11, 2019 “On further development of the fruit, vegetable, and grape sector and additional measures for creating a value-added chain in the sector”. – Tashkent.
2. **Abdurakhmonov Q. Kh.** Agricultural economics and food security. – Tashkent: Iqtisod-Moliya, 2021.
3. **Berkinov B. B.** Development of the agrologistics system in Uzbekistan. – Tashkent: Fan va Texnologiya, 2020.
4. **Murodova N. S.** Improving marketing and logistics systems in the sale of agricultural products.
5. **Salimov B. T.** va boshq. Economics of agriculture. – Tashkent, 2004.
6. **Saidova G. T.** Economic issues in ensuring food security // Innovatsion Iqtisodiyot. – 2025.
7. **Ochilova N. A.**, **Saidova G. T.** Ways to improve the socio-economic efficiency of the agricultural processing industry // Yangi O‘zbekiston Iqtisodiyoti. – 2024. – No. 7.
8. **Saidova G. T.** Scientific and theoretical foundations of the cold chain infrastructure in increasing the value added of fruit and vegetable products //