

Date: 13th August-2026

PLASTMASSA BUYUMLARI ISHLAB CHIQRISH KORXONALARIDA
INNOVATION FAOLIYATNI BAHOLASH

Matchanova Ma'rifat Ikramovna

marifatmatchanova@gmail.com

ORCID-(0009-0009-8449-3706)

Annotatsiya. Mazkur tezisdagi plastik sanoatining hozirgi paytda qanday rivojlanayotganini, shuningdek, plastik mahsulotlar ishlab chiqarishda innovatsion faoliyatni baholashning zamonaviy metodologik yondashuvlarini o'rganiladi. Bundan tashqari, u mintaqaviy taqsimot darajasini, plastmassa sanoatining sektorlar va sanoat bo'yicha iste'molini, ekologik muammolarni va ularning cheklovlari aniqlangan bozorlarning hajmini tadqiq etadi.

Kalit so'zlar: plastmassa, sanoat, kimyo sanoati, avtomobilsozlik, elektrotexnika, elektronika, polimer, qadoqlash, to'qimachilik.

Abstract. This thesis examines how the plastics industry is currently developing, as well as modern methodological approaches to assessing innovative activity in the production of plastic products. In addition, it examines the level of regional distribution, consumption of the plastics industry by sector and industry, the size of the markets in which environmental problems and their limitations are identified.

Keywords: plastics, industry, chemical industry, automotive, electrical engineering, electronics, polymer, packaging, textiles.

Kirish

Tadqiqot natijalari bir qator amaliy va nazariy xulosalarni shakllantirish imkonini beradi. Birinchidan, plastmassa buyumlari ishlab chiqarish tarmog'ida kuzatilayotgan yuqori ayrim davrlarda 150%dan ortiq fizik hajm o'sish sur'atlarini innovatsion faollikning o'sishi bilan avtomatik tarzda tenglashtirish noto'g'ri xulosalarga olib kelishi mumkin. Tebranuvchan dinamika 94,7%dan 158,6%gacha va past bazaviy salmoq 1–6,4% shuni ko'rsatadiki, o'sish ko'p hollarda yangi ishlab chiqarish quvvatlarini ishga tushirish yoki import o'rnini bosish siyosati natijasi bo'lishi mumkin, bu esa Schumpeter ma'nosidagi "ijodiy innovatsiya"dan farq qiladi. Shu nuqtai nazardan, taklif etilgan integrallashgan indikator faqat hajm ko'rsatkichlariga emas, balki innovatsion chiqish va institutsional maqsadlarga erishish darajasiga ham vazn berish orqali bunday noto'g'ri talqinlarning oldini olishga xizmat qiladi.

Ikkinchidan, O'zbekistonning GII bo'yicha kirish 69-o'rin va chiqish 92-o'rin ko'rsatkichlari o'rtasidagi assimetriya milliy darajada ham, tarmoq darajasida ham o'zini namoyon qilmoqda: mamlakat plastmassa sanoati innovatsiyaga nisbatan katta resursga moliyaviy, institutsional, kadrlar yo'naltirmoqda, biroq bu resurslarning patentlar, yangi texnologiyalar va tijoratlashirilgan mahsulotlarga aylanish samaradorligi innovatsion konversiya koeffitsienti pastligicha qolmoqda. Bu, o'z navbatida, faqat moliyalashtirishni ko'paytirish emas, balki tijoratlashirish infratuzilmasi texnoparklar, venchur



Date: 13th August-2026

mexanizmlari, ilmiy-ishlab chiqarish hamkorligini mustahkamlash zarurligini ko'rsatadi — bu masala PQ-307 strategiyasida ham alohida ta'kidlangan.

Uchinchidan, tarmoq ishlab chiqarishining Toshkent shahri va viloyati atrofida yuqori kontsentratsiyalashuvi 65,1% hududiy innovatsion siyosatda tengsizlikni keltirib chiqarishi mumkin. Farg'ona, Samarqand va boshqa hududlardagi kichik ulushli plastmassa korxonalari uchun innovatsion infratuzilmaga malakali kadrlar, sinov laboratoriyalari, moliyaviy vositalar kirish imkoniyati cheklangan bo'lishi ehtimoli yuqori, bu esa integrallashgan indikatorning hududiy kesimda alohida hisoblanishini taqozo etadi.

Tadqiqotning bir qator cheklovlari mavjud. Birinchidan, O'zbekiston rasmiy statistikasida rezina va plastmassa buyumlari ishlab chiqarish tarmog'i ko'pincha kimyo mahsulotlari bilan birlashtirilgan holda yoritiladi, bu esa I_2 sub-indeksining aniqligini cheklaydi. Ikkinchidan, tarmoq darajasidagi patentlash va ilmiy-tadqiqot va tajriba konstruktorlik xarajatlari bo'yicha alohida statistika mavjud emasligi sababli, I_3 sub-indeksi uchun milliy darajadagi GII ko'rsatkichi proksi sifatida qo'llanildi, bu esa tarmoqqa xos xususiyatlarni to'liq aks ettirmasligi mumkin. Shu sababli, taklif etilgan uslubiyotning keyingi bosqichida korxonalar darajasidagi so'rovnoma (masalan, 100–150 ta plastmassa korxonasini qamrab oluvchi, Oslo qo'llanmasi tavsiyalariga muvofiq tuzilgan innovatsion faoliyat so'rovnomasi) o'tkazish orqali birlamchi ma'lumotlar bilan boyitish va taklif etilgan innovatsion faollikni baholash indikatorlari tizimini amaliy aprobatsiyadan o'tkazish va uning ishonchliligini statistik usullar asosida baholash ya'ni indikatorni empirik jihatdan validatsiya qilish tavsiya etiladi. Bundan tashqari, Milliy statistika qo'mitasiga rezina va plastmassa buyumlari ishlab chiqarish tarmog'i bo'yicha mustaqil va uzluksiz innovatsion faollik monitoringi tizimini joriy etish tavsiya etiladi.

FOYDALANILGAN ADABIYOTLAR:

1. Schumpeter J.A. The Theory of Economic Development. — Cambridge, MA: Harvard University Press, 1934.
2. OECD/Eurostat. Oslo Manual 2018: Guidelines for Collecting, Reporting and Using Data on Innovation, 4th Edition. — Paris: OECD Publishing, 2018. DOI: <https://doi.org/10.1787/9789264304604-en>
3. Stundziene A., Pilinkiene V., Vilkas M., Grybauskas A., Lukauskas M. The challenge of measuring innovation types: A systematic literature review // Journal of Innovation & Knowledge. — 2024. — Vol. 9, No. 4. — Art. 100620. DOI: <https://doi.org/10.1016/j.jik.2024.100620>
4. Moreira A., Navaia E., Ribau C. Innovation capabilities and their dimensions: A systematic literature review // International Journal of Innovation Studies. — 2024. — Vol. 8, No. 3. — P. 313–333. DOI: <https://doi.org/10.1016/j.ijis.2024.07.001>
5. Janoskova K., Kral P. An In-Depth Analysis of the Summary Innovation Index in the V4 Countries // Journal of Competitiveness. — 2019. — Vol. 11, No. 2. — P. 68–83. DOI: <https://doi.org/10.7441/joc.2019.02.05>



Date: 13th August-2026

6. Reschke J., Gallego-García S. A Novel Methodology for Assessing and Modeling Manufacturing Processes // Applied Sciences. — 2021. — Vol. 11, No. 21. — Art. 10117. DOI: <https://doi.org/10.3390/app112110117>
7. Sherimova N., Isabekov B., Alkeev M., Yermekova Zh., Ostryanina T. An analytical assessment of industrial sector innovative management in the context of digitalization // Journal of Innovation and Entrepreneurship. — 2022. — Vol. 11. — Art. 53. DOI: <https://doi.org/10.1186/s13731-022-00247-y>
8. Obradović T., Vlačić B., Dabić M. Open innovation in the manufacturing industry: A review and research agenda // Technovation. — 2021. — Vol. 102. — Art. 102221. DOI: <https://doi.org/10.1016/j.technovation.2021.102221>
9. Rodríguez-Carrillo M.L., Pérez-Domínguez L., Romero-López R., Luviano-Cruz D., León-Castro E. A systematic literature review on the use of multicriteria decision making methods for small and medium-sized enterprises innovation assessment // Frontiers in Artificial Intelligence. — 2025. — Vol. 8. — Art. 1605756. DOI: <https://doi.org/10.3389/frai.2025.1605756>
10. Abdurazakov M., Matchanov T., Matchanova M. O 'ZBEKISTONDA YASHIL IQTISODIYOT SAMARALI TASHKIL ETISH VA TAKOMILLASHTIRISH MASALALARI (XORIY TAJRIBASI) // Универсальная индексная библиотека прикладных наук в современном мире: проблемы и решения. — 2025. — Т. 4. — №. 16. — С. 104-106.
11. Innovation Science and Technology jurnali. Boshqaruv tizimlarining innovatsion faoliyat samaradorligiga ta'siri: O'zbekiston misolida (2024–2025-yillar GII ma'lumotlari asosida). — Issue 11, 2025. URL: <https://ist-journal.uz/index.php/IST/article/download/335/302>
11. Ikramovna M. M. et al. TIJORAT BANKLARI RAQOBATBARDOSHLIGINI OSHIRISH BORASIDAGI ILG 'OR XORIJIY TAJRIBALAR TAHLILI // Научный Импульс. — 2026. — Т. 4. — №. 41. — С. 240-249.
11. World Intellectual Property Organization (WIPO). Global Innovation Index 2024: Unlocking the Promise of Social Entrepreneurship. — Geneva: WIPO, 2024. URL: <https://www.wipo.int/edocs/pubdocs/en/wipo-pub-2000-2024-exec-en-global-innovation-index-2024.pdf>
12. Matchanovich M. T., Ikramovna M. M. DIGITALIZATION OF BANKING SERVICES IN THE BANKING SYSTEM BANK TIZIMIDA BANK XIZMATLARINI RAQAMLASHTIRISH // O'ZBEKISTONDA FANLARARO INNOVATSIYALAR VA ILMIY TADQIQOTLAR JURNALI. — 2024. — Т. 3. — №. 32. — С. 47-51.
12. World Intellectual Property Organization (WIPO). Global Innovation Index 2025 — Uzbekistan economy profile. — Geneva: WIPO, 2025. URL: <https://www.wipo.int/edocs/gii-ranking/2025/uz.pdf>
13. O'zbekiston Respublikasi Prezidentining 2022-yil 6-iyuldagi PQ-307-son "2022–2026-yillarda O'zbekiston Respublikasining innovatsion rivojlanish strategiyasini amalga oshirish bo'yicha tashkiliy chora-tadbirlar to'g'risida"gi qarori. URL: <https://lex.uz/uz/docs/6102466>



Date: 13th August-2026

14. Ikramovna M. M. et al. RIVOJLANAYOTGAN IQTISODIYOT SHAROITIDA TIJORAT BANKLARINI XUSUSIYLASHTIRISH ORQALI RAQOBATBARDOSHLIKNI OSHIRISH YO 'LLARI //SCIENTIFIC ASPECTS AND TRENDS IN THE FIELD OF SCIENTIFIC RESEARCH. – 2026. – T. 4. – №. 42. – C. 38-45
15. O'zbekiston Respublikasi Milliy statistika qo'mitasi. O'zbekiston Respublikasida rezina va plastmassa buyumlar ishlab chiqarish sanoati (2021-yil hisoboti). URL: <https://stat.uz/uz/matbuot-markazi/qo-mita-yangiliklar/11448>
16. Samarqand viloyati statistika boshqarmasi. Samarqand viloyatining rezina va plastmassa buyumlar ishlab chiqarish sanoati (2024-yil yanvar). URL: <https://samstat.uz>
17. Sobirovich A. A. et al. AKSIYADORLIK JAMIYATLARINING KORPORATIV MOLIYAVIY STRATEGIYASI VA ULARNING MOLIYAVIY HOLATI TAHLILI //JOURNAL OF INNOVATIONS IN SCIENTIFIC AND EDUCATIONAL RESEARCH. – 2025. – T. 8. – №. 7. – C. 15-23.
17. Qoraqalpog'iston Respublikasi statistika qo'mitasi. Rezina va plastmassa buyumlar ishlab chiqarish (2023, 2024-yil hisobotlari). URL: <https://qrstat.uz>
18. Qashqadaryo viloyati statistika boshqarmasi. Rezina va plastmassa buyumlar ishlab chiqarish sanoati (2023-yil hisoboti). URL: <https://qashstat.uz>
19. Kun.uz. O'zbekiston sanoati: qaysi yo'nalishlarda korxonalar ko'proq? — 2026-yil 9-mart. URL: <https://kun.uz/news/2026/03/09>
20. Gazeta.uz. O'zbekiston iqtisodiyoti birinchi chorakda 6,8% o'sdi. — 2025-yil 22-aprel. URL: <https://www.gazeta.uz/oz/2025/04/22/economy/>

