

**SANOAT KORXONALARI RAHBAR VA MUTAXASSISLARINING MEHNAT
MUHOFAZASI BO'YICHA BILIMLARINI TEKSHIRISHNI RAQAMLI
TEXNLOGIYALAR ASOSIDA TASHKIL ETISHNING AHAMIYATI**

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<https://doi.org/10.5281/zenodo.10876393>

Annotatsiya. Sanoat korxonalari rahbar va mutaxassislarining mehnat muhofazasi bo'yicha bilimlarini tekshirishni raqamli texnologiyalar asosida tashkil etish va bu orqali erishiladigan natijalar haqida muallifning ilmiy izlanishlari bayon etilgan.

Kalit so'zlar va iboralar: Raqamlashtirish, o'quv dasturi, interaktiv uslub, raqamli texnologiya, onlayn o'qitish, ma'lumotlar ombori.

**THE SIGNIFICANCE OF ORGANIZING THE EXAMINATION OF
KNOWLEDGE OF LABOR PROTECTION OF MANAGERS AND SPECIALISTS OF
INDUSTRIAL ENTERPRISES ON THE BASIS OF DIGITAL TECHNOLOGIES**

Abstract. The scientific research of the author about the organization of the examination of the knowledge of the leaders and specialists of industrial enterprises on labor protection on the basis of digital technologies and the results achieved through this is described.

Key words and phrases: Digitization, curriculum, interactive style, digital technology, online learning, data warehouse.

**ЗНАЧИМОСТЬ ОРГАНИЗАЦИИ ПРОВЕРКИ ЗНАНИЙ ОХРАНЫ ТРУДА
РУКОВОДИТЕЛЕЙ И СПЕЦИАЛИСТОВ ПРОМЫШЛЕННЫХ ПРЕДПРИЯТИЙ
НА ОСНОВЕ ЦИФРОВЫХ ТЕХНОЛОГИЙ**

Аннотация. Описаны научные исследования автора по организации проверки знаний руководителей и специалистов промышленных предприятий по охране труда на основе цифровых технологий и достигнутые за счет этого результаты.

Ключевые слова и фразы: Цифровизация, учебная программа, интерактивный стиль, цифровые технологии, онлайн-обучение, хранилище данных.

KIRISH. O'zbekiston Respublikasi Bandlik va mehnat munosabatlari vazirligi (2017 yilgacha O'zbekiston Respublikasi Mehnat va ijtimoiy himoya vazirligi deya nomlangan) tomonidan tasdiqlanib O'zbekiston Respublikasi Adliya Vazirligi tomonidan 1996 yil 14 avgustda 272- raqam bilan ruyxatga olingan “Mehnat muhofazasi bo'yicha o'qitish va bilimlarni tekshirish to'g'risida namunaviy nizom”ga [1] muvofiq rahbarlar va mutaxassislarning mehnat muhofazasi bo'yicha bilimlari darajasini oshirish maqsadida boshqaruv organlari va korxonalarda davlat kuzatuv organlari, mehnat muhofazasi ilmiy-tadqiqot institutlari va tarmoq ilmiy-tadqiqot institutlari mutaxassislarini jalb qilgan holda kurslar, seminarlar, ma'ruzalar, konsultatsiyalar tashkil qilinishi belgilab berilgan.

Sanoat korxonalari rahbar va mutaxassislarining mehnat muhofazasi bo'yicha bilimlarini tekshirishni raqamli texnologiyalar asosida tashkil etish samarali hisoblanadi[2]. Bunda har bir rahbar va xodimlarning lavozim va mutaxassislik, ish faoliyati turidan kelib chiqib mehnatni muhofaza qilishga o'qitish kurslarini masofaviy shaklda tashkil etish orqali xodimlarning ish vaqtidan ajralmasdan interaktiv uslubda yaratish orqali amalga oshirishni tashkil etish munkun.

Mehnatni muhofaza qilish sohasidagi raqamlashtirish odatda aqlli kaskalar, sun'iy intellekt orqali xavflarni aniqlash vositalari va VR ta'lim texnologiyalarini anglatadi, shuningdek mehnatni muhofaza qilish sohasida elektron hujjat aylanishi va elektron raqamli imzodan foydalanish yordamida hujjatlar bilan ishlashni soddalashtirish, ish joyida mehnatni muhofaza qilish madaniyati darajasini oshirish, xodimlarning huquqlarini himoya qilish va yuqori xavflilikdagi ishlar xavfsizligini ta'minlashda xam muhim rol o'ynaydi[3].

ADABIYOTLAR TAHLILI: Mamlakatimizda sanoat korxonalarida mehnat muhofazasini tashkil etish hamda mehnat muhofazasi va xavfsizlik texnikasi bo'yicha o'qitish va xodimlar bilmini sinovdan o'tkazish masalalari Yuldoshev O'.R, Yormatov G.Yo. Isamuxamedov Yo.U., Zokirova N.Q., Abduraxmonov Q. X. Irmatova A. B. Yunusov B.X. kabi olimlarning o'quv va ilmiy adabiyotlarida o'z aksini topgan.

MDH davlatlari korxonalarda mehnat muhofazasini raqamlashtirish masalalari bo'yicha Kovrigo O.V., Timofeev A.V., Ryabova V. Ye., Faynburg G. Z., Ivanov S. Yu., Kalagin I., Titov A., Il'melinin V., Porochnik D., Kuchumova G. V., Melyakova O. A., 13. Shabunin K. sarev V., Vesnin Ye., Soloveva A., Venediktova A. ilmiy tadqiqot ishlarini olib borishgan.

Raqamli iqtisodiyotning nazariy asoslari xorijlik olim va mutaxassislardan M.A.Shneps-Shneppe, D.Ye. Namiot, P.Vinya, M.Keyn, N.Popper, Ye.Filippov, A. Fork, L.V. Lapidus, D.Bell, M.Kastels, V.Desouza, D.Makkonaz, M.Linch, S.Dirikan, S.Xalford, M.Savaj kabi xorijlik iqtisodchi olimlarning ilmiytadqiqotlarida atroflicha yoritilgan. Jumladan, iqtisodchi olimlar M.A.Shneps-Shneppe va Namiot D.Ye. o'zining tadqiqotlarida qator Raqamli iqtisodiyot, telekommunikatsiya - rivojlanishning asosiy bo'g'ini ekanligi va uning xususiyatlari to'g'risida nazariyalarini tadqiq etib o'tishgan. L.V. Lapidus o'z tadqiqotlarida raqamli texnologiyalar evolyusiyasi ta'siri ostida biznes modellarini o'zgartirish nuqtai nazaridan elektron biznes va elektron tijoratni boshqarish bo'yicha nazariy qoidalar va amaliy tavsiyalar ishlab chiqilgan.

O'zbekistonlik olimlardan S.S.G'ulomov, R.H.Ayupov, G.R.Boltaboeva, T.Shodiev, T.Z. Teshabaev, Z.M. Otakuzieva, Sh.Mustafaqulov, R.S.Urunov, M.Yu.Jumaniyozova, Z.M.Qurbonov, U.M.Asraevlar ishlarida raqamli iqtisodiyotning nazariy asoslari bayon etilgan. Xususan, Sh.Mustafaqulov o'zining ilmiy izlanishlarida rivojlanishning yangi tendensiyalari va xususiyatlari atroflicha yoritilgan.

TADQIQOT METODLARI. Tadqiqot jarayonida ilmiy va o'quv-uslubiy adabiyotlar tahlili, pedagogik kuzatuv, qiyosiy tahlil, umumlashtirish, dasturlashtirish va raqaamlashtirish modellari kabi metodlardan foydalanildi.

TADQIQOT NATIJALARI VA MUHOKAMALAR. Mehnatni muhofaza qilish tizimlari haqida ko'plab ma'lumotlar mavjud, shuningdek, ularni raqamlashtirish tizimi ham mavjud. Bu tizimlar faoliyatining xususiyatlari va turiga qarab o'zgartirib boriladi, shuningdek, o'z faoliyati bo'yicha xususiyatlari bo'yicha ham farqlanadi.

Mehnatni muhofaza qilish tizimlari raqamlashtirish asosida barcha ishlab chiqarish va xizmat ko'rsatish korxonalarining mehnat faoliyati sifatini oshirish uchun amalga oshiriladi. Bu tizimlarning yagona maqsadi - ishchi va mehnat faoliyati bo'lgan turdagi turli tarkibdagi organlarda mehnat muhofazasini takomillashtirish va ishchilarni kasbiy mehnat muhofazasi yo'riqlaridan o'tkazishdir. Bu maqsadga erishish uchun, tizimlarda faoliyatni boshqarish va uning joriy holatini ta'kidlash imkonini beradigan statistik ma'lumotlar jamlanadi.

Bu raqamlashtirish tizimlari to'plangan va ishlovchi shaxslar haqidagi tafsilotli ma'lumotlarni saqlaydi, shu jumladan, ularning tashkiliy qurilmalari, kasbiy tayyorliklari va amaliyotlari, ta'lim va tajriba darajalari, ishga kirish va ishdan chiqish sanalari, ta'til, dam olish vaqtlari haqida ma'lumotlar va bularni qaysi asosda tashkil etilganligi haqidagi ma'lumotlardir[4].

Tizim, mehnat muhofazasini ta'minlash va muhofaza qilishga odatlangan yondashuvlar, yangi ishchilarning ishga qabul qilinishi, mehnatda ishlayotgan ishchilar soni, ularning bilim va tajribasi kabi ko'plab yunalishlarda yordam beradi.

Mehnatni muhofaza qilishni o'qitishga yo'naltirilgan raqamlashtirish tizimlari, ishchi va mehnat faoliyati bo'yicha kasbiy tayyorlanishni oshirishga va xavfsizlikni ta'minlashga qaratilgan. Bu tizimlar, mehnat faoliyatining xususiyatlarini va turini hisobga olgan holda faoliyatni o'zgartirish va yangilashga yordam berish maqsadida yaratiladi.

Mehnatda xavfsizlikni ta'minlashga ko'rsatilgan e'tibor raqamlashtirish tizimlarida katta ahamiyatga ega. Bu tizimlar ishchi va mehnat faoliyati bo'yicha xavfsizlik masalalariga e'tibor qaratishni o'rganuvchilar va o'qituvchilar uchun yordam beradi.

XULOSA. Sanoat korxonalari rahbar va mutaxassislarining mehnat muhofazasi bo'yicha bilimlarini tekshirishni raqamli texnologiyalar asosida tashkil etish, bir nechta maqsadlarga erishishga yordam berishi mumkin:

1. Ish faoliyatining nazoratini yaxshilash: Raqamli texnologiyalar foydalanilganda, korxona rahbarlari va mutaxassislarining ishchi muhofazasi bo'yicha bilimlari va ko'nikmalari yordamida, korxonaning ish rejimida yuzaga keladigan muammo va muammo bo'lmagan holatlarni nazorat qilish osonlashadi.

2. Qo'shimcha resurslarni ishlatish: Raqamli texnologiyalar orqali, mehnat muhofazasi sohasida katta miqdorda ma'lumotlar to'planishi mumkin. Bu ma'lumotlar orqali korxona rahbarlari va mutaxassislarining ish rejimini yanada yaxshilash, barcha resurslarni yaxshilash, o'zaro hamkorlikni oshirish va mahsulot sifatini ko'paytirish mumkin.

3. Tahmin qilish: Raqamli texnologiyalar orqali korxonaning ish rejimida yuzaga keladigan muammo va muammo bo'lmagan holatlarning tasvirlash, shunchaki, sifatli ma'lumotlar yig'ish yordamida korxona rahbarlari va mutaxassislarining xavfsizlik, avvalgi sharoitlarni o'rganish va o'zgarishlarga ta'sir ko'rsatish qobiliyatini oshirish mumkin.

4. Ko'nikma va texnikani yaxshilash: Raqamli texnologiyalar orqali korxonadagi mutaxassislar va hodimlar yaratish, tarbiyalash va ko'nikma olish uchun muhtojliklarini aniqlash mumkin. Bu shuningdek, qo'shimcha texnikaviy imkoniyatlardan ham foydalanish mumkin.

5. Muammolar yechish: Raqamli texnologiyalar orqali, korxonaning muammolarini aniqlash, yechish va uning faoliyatini yanada yaxshilash uchun yordam berish mumkin. Bu esa, korxona rahbarlari va mutaxassislarining barcha sohalarini rivojlantirishga imkon beradi.

6. O'qitishni osonlashtirish: Mehnat muhofazasi bo'yicha bilimlarini tekshirishni raqamli texnologiyalar asosida tashkil etish orqali xodimlarni ishdan ajralmagan holda o'z bilimlarini oshirish, qayta tayyorlovdan o'tishlarini taminlash mumkin.

7. Mehnatni muhofaza qilishga yunaltilgan mablag'larni tejab qolish: Mehnat muhofazasi bo'yicha bilimlarini tekshirishni raqamli texnologiyalar asosida tashkil etish orqali, xodimlarni o'qitish va bilimni sinashga sarflanadigan mag'lag'larni tejab qolish mumkin.

REFERENCES

1. Xidirova Dildora, Muradov Sirojiddin. O'zbekiston respublikasi hududida seysmoaktiv hududlar va zilzilaning xavfliligi//Innovative Development in Educational Activities. 2024. 167-172
2. Muradov S. ECONOMIC ANALYSIS OF PROFITS IN THE FIELD OF LABOR PROTECTION //Modern Science and Research. – 2024. – T. 3. – №. 1. – С. 1239-1245.
3. Мурадов, С. (2024). PRINCIPLES OF ENSURING THE SAFETY OF USING LIFTING CRANES IN CONSTRUCTION-ASSEMBLY WORKS. MODERN SCIENCE AND RESEARCH, 3(2), 933–939. <https://doi.org/10.5281/zenodo.10684936>
4. МУРАДОВ СИРОЖИДДИН учитель-стажер. Каршинский инженерно-экономический институт кафедра «Охрана труда и техника безопасности» Республики Узбекистан. (2024). НЕКОТОРЫЕ АСПЕКТЫ БЕЗОПАСНОСТИ ПРИМЕНЕНИЯ ГРУЗОПОДЪЕМНЫХ КРАНОВ В СТРОИТЕЛЬНО-МОНТАЖНЫХ РАБОТАХ. Zenodo. <https://doi.org/10.5281/zenodo.10684166>
5. Muradov Sirojiddin. Mehnatni muhofaza qilishning tashkiliy-psixologik asoslaridagi mavjud muammolar//“Ekologiya, aholi xavfsizligi va mehnat muhofazasining hozirgi kundagi dolzarb masalalari va istiqbollari”. 2023. 133-137.
6. Muradov Sirojiddin. Mehnat sharoitlari va muhitini “kaizen” usuli yordamida takomillashtirishning innovatsion yechimlari//“Ekologiya, aholi xavfsizligi va mehnat muhofazasining hozirgi kundagi dolzarb masalalari va istiqbollari”.2023. 249-253.
7. Muradov Sirojiddin. Mehnatni muhofaza qilish sohasida yuk ortish va tushirish ishlaridagi yukchilar uchun ishlarning xavfsizligi kategori va qoidalari tahlili//“Ekologiya, aholi xavfsizligi va mehnat muhofazasining hozirgi kundagi dolzarb masalalari va istiqbollari”. 2023. 232-242
8. Muradov Sirojiddin. Mehnatni muhofaza qilishning rivojlanish tarixiy bosqichlarini o'rganish//“Ekologiya, aholi xavfsizligi va mehnat muhofazasining hozirgi kundagi dolzarb masalalari va istiqbollari”. 2023. 243-248
9. Muradov Sirojiddin. Sanoat korxonalari rahbar va mutaxassislarining mehnat muhofazasi bo'yicha bilimlarini tekshirishni raqamli texnologiyalar asosida tashkil etishning ahamiyati//“Ekologiya, aholi xavfsizligi va mehnat muhofazasining hozirgi kundagi dolzarb masalalari va istiqbollari”. 2023. 146-150
10. Muradov Sirojiddin. Xavfli sanoat korxonalarida ishchilarni xavfli gaz va zaxarli moddalar ta'siridan himoya qilishga qaratilgan inovatsion yechimlar//“Ekologiya, aholi xavfsizligi va mehnat muhofazasining hozirgi kundagi dolzarb masalalari va istiqbollari”. 2023. 402-405

11. Muradov Sirojiddin Husan o'g'li. Sanoat korxonalari rahbar va mutaxassislarining mehnat muhofazasi bo'yicha bilimlarini tekshirishni raqamli texnologiyalar asosida tashkil etishning ahamiyati// Aholi bandligi sohasidagi davlat siyosatining amalga oshirishning dolzarb masalalari. 2023/10/26. 180-183
12. Мурадов Сирожиддин. Определение отдыха и отпусков на основании нового трудового кодекса// Aholi bandligi sohasidagi davlat siyosatining amalga oshirishning dolzarb masalalari. 2023/10/26. 17-21
13. MURADOV SIROJIDDIN HUSAN O'G'LI. Mehnatni muhofaza qilishning rivojlanish tarixiy bosqichlarini o'rganish// Aholi bandligi sohasidagi davlat siyosatining amalga oshirishning dolzarb masalalari. 2023/10/26. 8-16
14. Muradov, S. (2023). ISHLAB CHIQARISHDAGI AVARIYALARNI O'RGANISH VA TAHLIL QILISH. Educational Research in Universal Sciences, 2(16), 474–477. Retrieved from <http://erus.uz/index.php/er/article/view/5015>
15. Muradov Sirojiddin. Ishlab chiqarishdagi avariyalarni o'rganish va tahlil qilish// Educational Research in Universal Sciences, 2(16), 474–477.
16. Muradov S. ISHLAB CHIQARISHDAGI AVARIYALARNI O'RGANISH VA TAHLIL QILISH //Educational Research in Universal Sciences. – 2023. – T. 2. – №. 16. – C. 474-477.
17. Sirojiddin M., Umurzoq E. INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD //International journal of advanced research in education, technology and management. – 2023. – T. 2. – №. 12. – C. 42-47.
18. Sultonova D. N., & Siddiqova M. A. qizi. (2023). COLOR SCHEME IN THE FORMATION OF THE ARTISTIC ENVIRONMENT OF THE INTERIOR OF MODERN EDUCATIONAL CENTERS. Educational Research in Universal Sciences, 2(14), 109–115. Retrieved from <https://erus.uz/index.php/er/article/view/4394>
19. Sultonova D. N., qizi Siddiqova M. A. COLOR SCHEME IN THE FORMATION OF THE ARTISTIC ENVIRONMENT OF THE INTERIOR OF MODERN EDUCATIONAL CENTERS //Educational Research in Universal Sciences. – 2023. – T. 2. – №. 14. – C. 109-115.
20. Muradov Sirojiddin Husan o'g'li, Xakimov Xurshid Hamidulla o'g'li, & Siddiqova Madinabonu Asatilla qizi. (2021). NEW INNOVATIVE ENGINEERING SOLUTIONS TO THE PROBLEMS OF SIGNALIZATION AND SECURITY SYSTEMS. European Journal of Life Safety and Stability (2660-9630), 2, 28-30. Retrieved from <http://www.ejlss.indexedresearch.org/index.php/ejlss/article/view/13>
21. Muradov S. H. o'g'li, & Zayniyev, U. U. o'g'li. (2023). PRINCIPLES OF PASSING AND DOCUMENTING INSTRUCTIONS ON SAFETY TECHNIQUES. Educational Research in Universal Sciences, 2(14), 116–119. Retrieved from <http://erus.uz/index.php/er/article/view/4395>
22. Muradov Sirojiddin Husan o'g'li, Zayniyev Ulfat Utkir o'g'li. PRINCIPLES OF PASSING AND DOCUMENTING INSTRUCTIONS ON SAFETY TECHNIQUES. Educational Research in Universal Sciences. 2023-11
23. Sirojiddin M., Umurzoq E. INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD

- //International journal of advanced research in education, technology and management. – 2023. – T. 2. – №. 12. – C. 42-47.
24. Muradov Sirojiddin; Egamberdiyev Umurzoq. INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD//International journal of advanced research in education, technology and management. – 2023. – T. 2. – №. 12. – C. 42-47.
25. Husan o'g'li M. S., Hamidulla o'g'li X. X. Siddiqova Madinabonu Asatilla qizi. NEW INNOVATIVE ENGINEERING SOLUTIONS TO THE PROBLEMS OF SIGNALIZATION AND SECURITY SYSTEMS //European Journal of Life Safety and Stability (2660-9630). – 2021. – T. 2. – C. 28-30.
26. Husan o'g'li M. S., Shavkat o'g'li E. D. INNOVATIVE SOLUTIONS TO PROTECT WORKERS FROM DANGEROUS GAS AND TOXIC SUBSTANCES IN HAZARDOUS INDUSTRY ENTERPRISES //Educational Research in Universal Sciences. – 2023. – C. 11-17.
27. Muradov S. H. o'g'li, & Egamov, D. S. o'g'li. (2023). INNOVATIVE SOLUTIONS TO PROTECT WORKERS FROM DANGEROUS GAS AND TOXIC SUBSTANCES IN HAZARDOUS INDUSTRY ENTERPRISES. Educational Research in Universal Sciences, 2(14), 340–342. Retrieved from <http://erus.uz/index.php/er/article/view/4443>
28. O'G E. L. A. A. et al. PHYSIOLOGICAL AND HYGIENE BASIS OF HUMAN LABOR ACTIVITY //International journal of advanced research in education, technology and management. – 2023. – T. 2. – №. 11.
29. MURADOV SIROJIDDIN HUSAN O'G'LI; ESHPO'LATOV AZIZBEK ADHAM O'G'LI. PHYSIOLOGICAL AND HYGIENE BASIS OF HUMAN LABOR ACTIVITY// International journal of advanced research in education, technology and management. 2023. 266-273.
30. Rakhimov, O. D., and S. H. Muradov. "Digitalization of Instructions on Labor Protection and Safety Techniques." European journal of life safety and stability (EJLSS) 24 (2022): 80-86.
31. O.D. Rakhimov, Muradov S.H. Digitalization of Instructions on Labor Protection and Safety Techniques. // European journal of life safety and stability (EJLSS). 2022. №24. P.80-86.
32. O'G'LI M. S. H. ANALYSIS OF “MEASURES TO ENSURE OCCUPATIONAL SAFETY IN THE FIELD OF CARGO TRANSPORTATION AND LOADING.” //International journal of advanced research in education, technology and management. – 2023. – T. 2. – №. 9.
33. MURADOV SIROJIDDIN HUSAN O'G'LI. ANALYSIS OF “MEASURES TO ENSURE OCCUPATIONAL SAFETY IN THE FIELD OF CARGO TRANSPORTATION AND LOADING.”// INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN EDUCATION, TECHNOLOGY AND MANAGEMENT. Vol. 2 No. 9 (2023). 127-133
34. ЎҒЛИ Р. Х. Ф., СИРОЖИДДИН М. ИЗУЧЕНИЯ УСЛОВИЯ ТРУДА В КОМПАНИИ ЕВРОПЫ. МУРАДОВ СИРОЖИДДИН //International journal of advanced research in education, technology and management. – 2023. – T. 2. – №. 10.

35. ЎҒЛИ, РАЖАБОВ ХУРШИД ФАХРИДДИН, and МУРАДОВ СИРОЖИДДИН. "ИЗУЧЕНИЯ УСЛОВИЯ ТРУДА В КОМПАНИИ ЕВРОПЫ. МУРАДОВ СИРОЖИДДИН." *International journal of advanced research in education, technology and management* 2.10 (2023).
36. ЎҒЛИ, Р. Х. Ф., & СИРОЖИДДИН, М. (2023). ИЗУЧЕНИЯ УСЛОВИЯ ТРУДА В КОМПАНИИ ЕВРОПЫ. МУРАДОВ СИРОЖИДДИН. *International journal of advanced research in education, technology and management*, 2(10).
37. Rayimkulov A., Murodov S. Some Issues of Safety in the Use of Tower Cranes Used in Construction Projects //JournalNX. – С. 301-308.
38. Rayimkulov A., Murodov S. Some Issues of Safety in the Use of Tower Cranes Used in Construction Projects //JournalNX. – С. 301-308.
39. Мурадов, Сирожиддин. "ПРОБЛЕМЫ ТУШЕНИЯ ПОЖАРОВ КЛАССА Е ЛИЧНЫМ СОСТАВОМ ПОЖАРНОЙ ОХРАНЫ В МИРЕ." *International journal of advanced research in education, technology and management* 2.5 (2023).
40. Мурадов С. ПРОБЛЕМЫ ТУШЕНИЯ ПОЖАРОВ КЛАССА Е ЛИЧНЫМ СОСТАВОМ ПОЖАРНОЙ ОХРАНЫ В МИРЕ //International journal of advanced research in education, technology and management. – 2023. – Т. 2. – №. 5.
41. Мурадов, С. (2023). ПРОБЛЕМЫ ТУШЕНИЯ ПОЖАРОВ КЛАССА Е ЛИЧНЫМ СОСТАВОМ ПОЖАРНОЙ ОХРАНЫ В МИРЕ. *International journal of advanced research in education, technology and management*, 2(5).
42. Raximov O.D, Muradov S.H. SANOAT KORXONALARI RAHBARI VA MUTAXASSISLARINI MEHNAT MUHOFAZASI BO‘YICHA O‘QITISH VA BILIMLARINI SINOVDAN O‘TKAZISHNI RAQAMLASHTIRISH. MONOGRAFIYA.2023.1-96
43. Raximov O.D, Muradov S.H. SANOAT KORXONALARI RAHBARI VA MUTAXASSISLARINI MEHNAT MUHOFAZASI BO‘YICHA O‘QITISH VA BILIMLARINI SINOVDAN O‘TKAZISHNI RAQAMLASHTIRISH// INTELLEKT. MONOGRAFIYA.2023
44. Dustkabilovich, R. O. & o`g`li, M. S. H. (2021). Innovative Technologies in Teachingdirectors and Specialists of Industrial Enterprises on "Labor Protection". *European Journal of Life Safety and Stability* (2660-9630), 80-85. Retrieved from <http://ejlss.indexedresearch.org/index.php/ejlss/article/view/3>
45. Rakhimov Oktyabr Dustkabilovich; Muradov Sirojiddin Husan o`g`li. Innovative Technologies in Teachingdirectors and Specialists of Industrial Enterprises on "Labor Protection"// *European Journal of Life Safety and Stability* (2660-9630), 2021/12/29. 80-85.
46. Muradov S.H; Safarov Sh. O‘. MEHNAT SHAROITLARI VA MUHITINI “KAIZEN” USULI YORDAMIDA TAKOMILLASHTIRISHNING INNOVATSION YECHIMLARI// PAXTA TOZALASH, TO‘QIMACHILIK VA YENGIL SANOAT SOHALARINING TEXNOLOGIYASINI TAKOMILLASHTIRISH. 2023. 90-92
47. СИРОЖИДДИН МУРАДОВ. ИЗУЧЕНИЯ ОХРАНА ТРУДЫ НА ПРОИЗВОДСТВЕ КОРЕИ// ХӨДӨЛМӨР, НИЙГМИЙН ХАРИЛЦАА СУДЛАЛ. 2023. 242-247

48. Muradov Sirojiddin Husan ugli; Odilov Muzaffar. MAIN INDICATORS OF LABOR PROTECTION MEASURES EFFICIENCY// INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCHERS0 2023. 201-206
49. Sultonova D. N., qizi Siddiqova M. A. COLOR SCHEME IN THE FORMATION OF THE ARTISTIC ENVIRONMENT OF THE INTERIOR OF MODERN EDUCATIONAL CENTERS //Educational Research in Universal Sciences. – 2023. – Т. 2. – №. 14. – С. 109-115.
50. Muradov, S., & Usmonov H. (2024). MEHNATNI MUHOFAZA QILISHNING RIVOJLANISH TARIXIY BOSQICHLARINI O'RGANISH. *Interpretation and Researches*.
извлечено от
<https://interpretationandresearches.uz/index.php/iar/article/view/1915>
51. МУРАДОВ СИРОЖИДДИН учитель-стажер. Каршинский инженерно-экономический институт кафедра «Охрана труда и техника безопасности» Республики Узбекистан. (2024). НЕКОТОРЫЕ АСПЕКТЫ БЕЗОПАСНОСТИ ПРИМЕНЕНИЯ ГРУЗОПОДЪЕМНЫХ КРАНОВ В СТРОИТЕЛЬНО-МОНТАЖНЫХ РАБОТАХ. Zenodo. <https://doi.org/10.5281/zenodo.10684166>
52. СИРОЖИДДИН М. НЕКОТОРЫЕ АСПЕКТЫ БЕЗОПАСНОСТИ ПРИМЕНЕНИЯ ГРУЗОПОДЪЕМНЫХ КРАНОВ В СТРОИТЕЛЬНО-МОНТАЖНЫХ РАБОТАХ //International journal of advanced research in education, technology and management. – 2024. – Т. 3. – №. 2. – С. 167-177.
53. Muradov S. CONSTRUCTION-INSTALLATION ISHLARIDA KUTARAMA KRANLARDAN USE FUNDAMENTAL SECURITY OF SUPPLY //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 786-792.
54. Muradov, S. (2024). CONSTRUCTION-INSTALLATION ISHLARIDA KUTARAMA KRANLARDAN USE FUNDAMENTAL SECURITY OF SUPPLY. Modern Science and Research, 3(2), 786–792. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/29479>
55. Muradov, S. (2024). ASSESSMENT OF THE CHEMICAL SITUATION IN AN ACCIDENT IN FACILITIES USING KTZM. MODERN SCIENCE AND RESEARCH, 3(2), 1142–1152. <https://doi.org/10.5281/zenodo.10701651>
56. СИРОЖИДДИН, МУРАДОВ. "РАЖАБОВ ХУРШИД ФАХРИДДИН ЎҒЛИ. ИЗУЧЕНИЯ УСЛОВИЯ ТРУДА В КОМПАНИИ ЕВРОПЫ. МУРАДОВ СИРОЖИДДИН." *International journal of advanced research in education, technology and management* 10 (2023): 27.
57. Sirojiddin M., Umurzoq E. INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD //International journal of advanced research in education, technology and management. – 2023. – Т. 2. – №. 12. – С. 42-47.
58. Muradov S. PRINCIPLES OF ENSURING THE SAFETY OF USING LIFTING CRANES IN CONSTRUCTION-ASSEMBLY WORKS //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 933-939.

59. Muradov S. ASSESSMENT OF THE CHEMICAL SITUATION IN AN ACCIDENT IN FACILITIES USING KTZM //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 1142-1152.
60. Muradov S., Usmonov H. MEHNATNI MUHOFAZA QILISHNING RIVOJLANISH TARIXIY BOSQICHLARINI O'RGANISH //Interpretation and researches. – 2024.
61. СИРОЖИДДИН М. НЕКОТОРЫЕ АСПЕКТЫ БЕЗОПАСНОСТИ ПРИМЕНЕНИЯ ГРУЗОПОДЪЕМНЫХ КРАНОВ В СТРОИТЕЛЬНО-МОНТАЖНЫХ РАБОТАХ //International journal of advanced research in education, technology and management. – 2024. – Т. 3. – №. 2. – С. 167-177.
62. Muzaffar O. MAIN INDICATORS OF LABOR PROTECTION MEASURES EFFICIENCY Muradov Sirojiddin Husan ugli.
63. Muradov Sirojiddin Husan ugli; Odilov Muzaffar. MAIN INDICATORS OF LABOR PROTECTION MEASURES EFFICIENCY// [International journal of scientific researchers](#). 2023. 201-206
64. Мурадов С. ПРОБЛЕМЫ ТУШЕНИЯ ПОЖАРОВ КЛАССА Е ЛИЧНЫМ СОСТАВОМ ПОЖАРНОЙ ОХРАНЫ В МИРЕ //International journal of advanced research in education, technology and management. – 2023. – Т. 2. – №. 5.
65. Sirojiddin M., Umurzoq E. INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD //International journal of advanced research in education, technology and management. – 2023. – Т. 2. – №. 12. – С. 42-47.
66. Muradov S. CONSTRUCTION-INSTALLATION ISHLARIDA KUTARAMA KRANLARDAN USE FUNDAMENTAL SECURITY OF SUPPLY //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 786-792.
67. ФОЙДАЛАНИШ Қ. М. И. К. К., АСОСЛАРИ Х. Т. MODERN SCIENCE AND RESEARCH //MODERN SCIENCE. – 2024. – Т. 2181. – С. 3906.
68. Muradov S. ASSESSMENT OF THE CHEMICAL SITUATION IN AN ACCIDENT IN FACILITIES USING KTZM //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 1142-1152.
69. KIMYOVIY K. Q. O. L. O. A., BAHOLASH H. MODERN SCIENCE AND RESEARCH //MODERN SCIENCE. – 2024. – Т. 2181. – С. 3906.
70. KIMYOVIY K. Q. O. L. O. A., BAHOLASH H. MODERN SCIENCE AND RESEARCH //MODERN SCIENCE. – 2024. – Т. 2181. – С. 3906.
71. ФОЙДАЛАНИШ Қ. М. И. К. К., АСОСЛАРИ Х. Т. MODERN SCIENCE AND RESEARCH //MODERN SCIENCE. – 2024. – Т. 2181. – С. 3906.
72. Muradov S. ASSESSMENT OF THE CHEMICAL SITUATION IN AN ACCIDENT IN FACILITIES USING KTZM //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 1142-1152.
73. KIMYOVIY K. Q. O. L. O. A., BAHOLASH H. MODERN SCIENCE AND RESEARCH //MODERN SCIENCE. – 2024. – Т. 2181. – С. 3906.
74. KIMYOVIY K. Q. O. L. O. A., BAHOLASH H. MODERN SCIENCE AND RESEARCH //MODERN SCIENCE. – 2024. – Т. 2181. – С. 3906.

75. ФОЙДАЛАНИШ Қ. М. И. К. К., АСОСЛАРИ Х. Т. MODERN SCIENCE AND RESEARCH //MODERN SCIENCE. – 2024. – Т. 2181. – С. 3906.
76. Muradov, S. (2024). ASSESSMENT OF THE CHEMICAL SITUATION IN AN ACCIDENT IN FACILITIES USING STRONG TOXIC SUBSTANCES (KTZM). MODERN SCIENCE AND RESEARCH, 3(3), 464–472. <https://doi.org/10.5281/zenodo.1082809>
77. Muradov, S. (2024). CHEMICAL STATUS ASSESSMENT AND ANALYSIS. MODERN SCIENCE AND RESEARCH, 3(3), 455–463. <https://doi.org/10.5281/zenodo.10828083>
78. Muradov, S. (2024). STUDY AND ANALYSIS OF WORKING ACCIDENTS. MODERN SCIENCE AND RESEARCH, 3(3), 444–454. <https://doi.org/10.5281/zenodo.10828055>
79. Muradov, S. (2024). MAIN INDICATORS OF LABOR PROTECTION MEASURES EFFICIENCY. MODERN SCIENCE AND RESEARCH, 3(3), 473–484. <https://doi.org/10.5281/zenodo.10828837>
80. Muradov, S. (2024). INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD. MODERN SCIENCE AND RESEARCH, 3(3), 485–492. <https://doi.org/10.5281/zenodo.10828873>
81. Muradov, S. (2024). ENSURING SAFETY OF WORKERS IN CONSTRUCTION. MODERN SCIENCE AND RESEARCH, 3(3), 493–501. <https://doi.org/10.5281/zenodo.10828960>
82. 1MURADOV SIROJIDDIN HUSAN O'G'LI Intern-teacher of the Department of "Labor Protection and Technical Safety" of the Karshi Institute of Engineering and Economics, & ESHPO'LATOV AZIZBEK ADHAM O'G'LI 4 nd year student of the Karshi Institute of Engineering and Economics, "Labor Protection and Technical Safety" Karshi, Uzbekistan. (2023). PHYSIOLOGICAL AND HYGIENE BASIS OF HUMAN LABOR ACTIVITY. Zenodo. <https://doi.org/10.5281/zenodo.10148671>
83. Мурадов С. ПРОБЛЕМЫ ТУШЕНИЯ ПОЖАРОВ КЛАССА Е ЛИЧНЫМ СОСТАВОМ ПОЖАРНОЙ ОХРАНЫ В МИРЕ //International journal of advanced research in education, technology and management. – 2023. – Т. 2. – №. 5.
84. Мурадов Сирожиддин. (2023). ПРОБЛЕМЫ ТУШЕНИЯ ПОЖАРОВ КЛАССА Е ЛИЧНЫМ СОСТАВОМ ПОЖАРНОЙ ОХРАНЫ В МИРЕ. International Journal of Advanced Research in Education, Technology and Management, 2(5), 260–270. <https://doi.org/10.5281/zenodo.7976908>
85. Sirojiddin M., Umurzoq E. INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD //International journal of advanced research in education, technology and management. – 2023. – Т. 2. – №. 12. – С. 42-47.
86. Muradov Sirojiddin Intern-teacher of the Department of "Labor Protection and Technical Safety" of the Institute of Engineering Economy of Karshi, & Egamberdiyev Umurzoq 4 nd year student of the Karshi Institute of Engineering and Economics, "Labor Protection and Technical Safety Karshi city, Uzbekistan. (2023). INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD. Zenodo. <https://doi.org/10.5281/zenodo.10416639>

87. MURADOV SIROJIDDIN HUSAN O'G'LI. (2023). ANALYSIS OF "MEASURES TO ENSURE OCCUPATIONAL SAFETY IN THE FIELD OF CARGO TRANSPORTATION AND LOADING.". <https://doi.org/10.5281/zenodo.8434940>
88. Muradov S. H. Safarov Sh. O ' . MEHNAT SHAROITLARI VA MUHITINI “KAIZEN” USULI YORDAMIDA TAKOMILLASHTIRISHNING INNOVATSION YECHIMLARI //PAXTA TOZALASH, TO ‘QIMACHILIK VA YENGIL SANOAT SOHALARINING TEXNOLOGIYASINI TAKOMILLASHTIRISH. – 2023. – C. 90-92.
89. Muradov S. H. o ‘g ‘li, & Zayniyev, UU o ‘g ‘li.(2023). PRINCIPLES OF PASSING AND DOCUMENTING INSTRUCTIONS ON SAFETY TECHNIQUES //Educational Research in Universal Sciences. – T. 2. – №. 14. – C. 116-119.
90. Husan o‘g‘li M. S., Shavkat o‘g‘li E. D. INNOVATIVE SOLUTIONS TO PROTECT WORKERS FROM DANGEROUS GAS AND TOXIC SUBSTANCES IN HAZARDOUS INDUSTRY ENTERPRISES //Educational Research in Universal Sciences. – 2023. – C. 11-17.
91. Muradov S. H. o‘g‘li, & Egamov , D. S. o‘g‘li. (2023). INNOVATIVE SOLUTIONS TO PROTECT WORKERS FROM DANGEROUS GAS AND TOXIC SUBSTANCES IN HAZARDOUS INDUSTRY ENTERPRISES. Educational Research in Universal Sciences, 2(14 SPECIAL), 340–342. Retrieved from <http://erus.uz/index.php/er/article/view/4443>
92. O‘G E. L. A. A. et al. PHYSIOLOGICAL AND HYGIENE BASIS OF HUMAN LABOR ACTIVITY //International journal of advanced research in education, technology and management. – 2023. – T. 2. – №. 11.
93. Muradov, S. (2024). ENSURING SAFETY OF WORKERS IN CONSTRUCTION. Modern Science and Research, 3(2), 493–501. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/30193>
94. Muradov S. ENSURING SAFETY OF WORKERS IN CONSTRUCTION //Modern Science and Research. – 2024. – T. 3. – №. 2. – C. 493-501.
95. МУРАДОВ СИРОЖИДДИН учитель-стажер. Каршинский инженерно-экономический институт кафедра «Охрана труда и техника безопасности» Республики Узбекистан. (2024). НЕКОТОРЫЕ АСПЕКТЫ БЕЗОПАСНОСТИ ПРИМЕНЕНИЯ ГРУЗОПОДЪЕМНЫХ КРАНОВ В СТРОИТЕЛЬНО-МОНТАЖНЫХ РАБОТАХ. Zenodo. <https://doi.org/10.5281/zenodo.10684166>
96. Muradov, S. (2024). CHEMICAL STATUS ASSESSMENT AND ANALYSIS. Modern Science and Research, 3(2), 455–463. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/30167>
97. Muradov S. CHEMICAL STATUS ASSESSMENT AND ANALYSIS //Modern Science and Research. – 2024. – T. 3. – №. 2. – C. 455-463.
98. Muradov, S. (2024). INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD. Modern Science and Research, 3(2), 485–492. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/30192>

99. Muradov S. INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 485-492.
100. Sirojiddin M., Umurzoq E. INNOVATIVE SOLUTIONS FOR IMPROVEMENT OF WORKING CONDITIONS AND ENVIRONMENT THROUGH THE KAIZEN METHOD //International journal of advanced research in education, technology and management. – 2023. – Т. 2. – №. 12. – С. 42-47.
101. Muradov, S. (2024). MAIN INDICATORS OF LABOR PROTECTION MEASURES EFFICIENCY. Modern Science and Research, 3(2), 473–484. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/30191>
102. Muradov S. MAIN INDICATORS OF LABOR PROTECTION MEASURES EFFICIENCY //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 473-484.
103. Muradov S. ASSESSMENT OF THE CHEMICAL SITUATION IN AN ACCIDENT IN FACILITIES USING STRONG TOXIC SUBSTANCES (KTZM) //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 464-472.
104. Muradov S. CHEMICAL STATUS ASSESSMENT AND ANALYSIS //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 455-463.
105. Muradov, S. (2024). ASSESSMENT OF THE CHEMICAL SITUATION IN AN ACCIDENT IN FACILITIES USING STRONG TOXIC SUBSTANCES (KTZM). Modern Science and Research, 3(2), 464–472. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/30168>
106. Muradov, S. (2024). STUDY AND ANALYSIS OF WORKING ACCIDENTS. Modern Science and Research, 3(2), 444–454. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/30166>
107. Muradov S. STUDY AND ANALYSIS OF WORKING ACCIDENTS //Modern Science and Research. – 2024. – Т. 3. – №. 2. – С. 444-454.
108. Muradov, S. (2024). ASSESSMENT OF THE CHEMICAL SITUATION IN AN ACCIDENT IN FACILITIES USING KTZM. MODERN SCIENCE AND RESEARCH, 3(2), 1142–1152. <https://doi.org/10.5281/zenodo.10701651>
109. Sirojiddin M. KTZM QO ‘LLANILADIGAN OBYEKT LARDAGI AVARIYADA KIMYOVIY HOLATNI BAHOLASH. – 2024.
110. Sirojiddin, Muradov. "KTZM QO ‘LLANILADIGAN OBYEKT LARDAGI AVARIYADA KIMYOVIY HOLATNI BAHOLASH." (2024).
111. Muzaffar O. MAIN INDICATORS OF LABOR PROTECTION MEASURES EFFICIENCY Muradov Sirojiddin Husan ugli.
112. СИРОЖИДДИН учитель-стажер, М. У. Р. А. Д. О. В. "Каршинский инженерно-экономический институт кафедра «Охрана труда и техника безопасности» Республики Узбекистан. (2024). НЕКОТОРЫЕ АСПЕКТЫ БЕЗОПАСНОСТИ ПРИМЕНЕНИЯ ГРУЗОПОДЪЕМНЫХ КРАНОВ В СТРОИТЕЛЬНО-МОНТАЖНЫХ РАБОТАХ. Zenodo." *НЕКОТОРЫЕ АСПЕКТЫ БЕЗОПАСНОСТИ ПРИМЕНЕНИЯ*.
113. СИРОЖИДДИН учитель-стажер, М. У. Р. А. Д. О. В. Каршинский инженерно-экономический институт кафедра «Охрана труда и техника безопасности» Республики

- Узбекистан. (2024). НЕКОТОРЫЕ АСПЕКТЫ БЕЗОПАСНОСТИ ПРИМЕНЕНИЯ ГРУЗОПОДЪЕМНЫХ КРАНОВ В СТРОИТЕЛЬНО-МОНТАЖНЫХ РАБОТАХ. Zenodo. *НЕКОТОРЫЕ АСПЕКТЫ БЕЗОПАСНОСТИ ПРИМЕНЕНИЯ*.
- 114.Muradov, S. (2024). ASSESSMENT OF THE CHEMICAL SITUATION IN AN ACCIDENT IN FACILITIES USING KTZM. MODERN SCIENCE AND RESEARCH, 3(2), 1142–1152. <https://doi.org/10.5281/zenodo.10701651>