

# Yashil

# IQTISODIYOT va TARAQQIYOT

Ijtimoiy, iqtisodiy, siyosiy, ilmiy, ommabop jurnal

2  
0  
2  
4



No 4

- 08.00.01 Iqtisodiyot nazariyasi
- 08.00.02 Makroiqtisodiyot
- 08.00.03 Sanoat iqtisodiyoti
- 08.00.04 Qishloq xo'jaligi iqtisodiyoti
- 08.00.05 Xizmat ko'rsatish tarmoqlari iqtisodiyoti
- 08.00.06 Ekonometrika va statistika
- 08.00.07 Moliya, pul muomalasi va kredit
- 08.00.08 Buxgalteriya hisobi, iqtisodiy tahlil va audit
- 08.00.09 Jahon iqtisodiyoti
- 08.00.10 Demografiya. Mehnat iqtisodiyoti
- 08.00.11 Marketing
- 08.00.12 Mintaqaviy iqtisodiyot
- 08.00.13 Menejment
- 08.00.14 Iqtisodiyotda axborot tizimlari va texnologiyalari
- 08.00.15 Tadbirkorlik va kichik biznes iqtisodiyoti
- 08.00.16 Raqamli iqtisodiyot va xalqaro raqamli integratsiya
- 08.00.17 Turizm va mehmonxona faoliyati



74-91 xalqaro daraja  
ISSN: 2992-8982



# Yashil

## IQTISODIYOT va TARAQQIYOT

Ijtimoiy, iqtisodiy, siyosiy, ilmiy, ommabop jurnal

### Bosh muharrir:

Sharipov Kongiratbay Avezimbetovich

### Bosh muharrir o'rinbosari:

Karimov Norboy G'aniyevich

*Elektron nashr. 1182 sahifa.*

*E'lon qilishga 2024-yil 30-aprelda ruxsat etildi.*

### Muharrir:

Qurbonov Sherzod Ismatillayevich

### Tahrir hay'ati:

Salimov Oqil Umrzoqovich, O'zbekiston fanlar akademiyasi akademigi  
Abduraxmanov Kalandar Xodjayevich, O'zbekiston fanlar akademiyasi akademigi  
Rae Kvon Chung, Janubiy Koreya, TDIU faxriy professori, "Nobel" mukofoti laureati  
Osman Mesten, Turkiya parlamenti a'zosi, Turkiya – O'zbekiston do'stlik jamiyati rahbari  
Sharipov Kongiratbay Avezimbetovich, t.f.d., prof., O'zR Oliy ta'lim, fan va innovatsiyalar vaziri  
Buzrukxonov Sarvarxon Munavvarxonovich, i.f.d., O'zR Oliy ta'lim, fan va innovatsiyalar vaziri o'rinbosari  
Axmedov Durbek Kudratillayevich, i.f.d., prof., O'zR Oliy Majlisi qonunchilik palatasi deputati  
Axmedov Sayfullo Normatovich i.f.n., professor, MIM akademiyasi rektori  
Xudoyqulov Sadirdin Karimovich, i.f.d., prof., TDIU YoMMMIB birinchi prorektori  
Abduraxmanova Gulnora Kalandarovna, i.f.d., prof., TDIU Ilmiy ishlar va innovatsiyalar bo'yicha prorektori  
Kalonov Muxiddin Baxritdinovich, i.f.d., prof., "O'IRIAM" ilmiy tadqiqot markazi direktori – prorektor  
Yuldashev Mutallib Ibragimovich, i.f.d., TMI professori  
Samadov Asqarjon Nishonovich, i.f.n., TDIU professori  
Slizovskiy Dimitriy Yegorovich, t.f.d., Rossiya xalqlar do'stligi universiteti professori  
Mustafakulov Sherzod Igamberdiyevich, i.f.d., prof., Xalqaro "Nordik" universiteti rektori  
Aliyev Bekdavlat Aliyevich, f.f.d., TDIU professori  
Axmedov Ikrom Akramovich, i.f.d. TDIU professori  
Po'latov Baxtiyor Alimovich, t.f.d., profesor  
Eshtayev Alisher Abdug'aniyevich, i.f.d., TDIU professori  
Isakov Janabay Yakubbayevich, i.f.d., TDIU professori  
Musyeva Shoirazimovna, SamDu IS instituti professori  
Axmedov Javohir Jamolovich, i.f.f.d., "El-yurt umidi" jamg'armasi ijrochi direktori o'rinbosari  
Toxirov Jaloliddin Ochil o'g'li, t.f.f.d., TAQU katta o'qituvchisi  
Xalikov Suyun Ravshanovich, i. f. n., TDAU dotsenti  
Kamilova Iroda Xusniddinovna, i.f.f.d., TDIU dotsenti  
Nosirova Nargiza Jamoliddin qizi, i.f.f.d., TDIU dotsenti  
Rustamov Ilhomiddin, f.f.n., Farg'ona davlat universiteti dotsenti  
Fayziyev Oybek Raximovich, i.f.f.d. (PhD), Alfraganus universiteti dotsenti  
Sevil Piriyeva Karaman, PhD, Turkiya Anqara universiteti doktoranti  
Mirzaliyev Sanjar Maxamatjon o'g'li, TDIU mustaqil tadqiqotchisi  
Utayev Uktam Choriyevich, O'zR Bosh prokuraturasi boshqarma boshlig'i o'rinbosari  
Ochilov Farxod, O'zR Bosh prokuraturasi iqtisodiy jinoyatlarga qarshi kurashish departamenti bo'limi boshlig'i  
Yaxshiboyeva Laylo Abdisattorovna, TDIU katta o'qituvchisi

### Ekspertlar kengashi:

Berkinov Bazarbay, iqtisodiyot fanlari doktori, professor  
Hakimov Ziyodulla Ahmadovich, i.f.d, TDIU dotsenti  
Tuxtabayev Jamshid Sharafetdinovich, i.f.f.d, TDIU dotsenti  
Xamidova Faridaxon Abdulkarim qizi, i.f.d., TMI dotsenti  
Babayeva Zuhra Yuldashevna, TDIU mustaqil tadqiqotchisi

**Muassis:** "Ma'rifat-print-media" MChJ

**Hamkorlarimiz:** Toshkent davlat iqtisodiyot universiteti, O'zR Tabiat resurslari vazirligi, O'zR Bosh prokuraturasi huzuridagi IJQK departamenti.



# MUNDARIJA

|   |     |
|---|-----|
| Organizational Behavior and Leadership.....   | 12  |
| <b>Ibrokhim Gulomov</b>   |     |
| Baliqchilikda klasterlarni tashkil etishning nazariy asoslari.....  | 20  |
| <b>Olim Murtazayev, Muydinov Olim Bekmuratovich</b>   |     |
| Оценка состояния привлечения инвестиций в сферу туризма Узбекистана и механизмы управления  | 26  |
| <b>Арзиматов Бобирмирзо Зокирджон угли</b>  |     |
| Biologik aktivlar buxgalteriya hisobni milliy va xalqaro standartlarga muvofiq takomillashtirish masalalari ...                         | 29  |
| <b>Axmadaliyeva Zebo Abduxalimovna</b>  |     |
| Aholi yashash joylarida yong'in risklarini bartaraf etish xizmatlardan foydalanish imkoniyatlari.....                                   | 34  |
| <b>Aziz Zikriyoev</b>   |     |
| O'zbekistonda ilmiy darajali kadrlar tayyorlash tizimi boshqaruvining tashkiliy tuzilmasi va vazifalari.....                            | 42  |
| <b>Beknaeva Shaxnoza Vladimirovna</b>   |     |
| Mintaqaviy turizmning iqtisodiyot rivojlanishiga ta'siri (O'zbekiston turistik xizmatlar bozori misolida).....                          | 47  |
| <b>D. B. O'roqova</b>   |     |
| Qishloq xo'jaligi mahsulotlarini ko'paytirishning asosiy yo'llari.....  | 52  |
| <b>Ibrohimov Boburmirzo Baxtiyor o'g'li, Sayfiddinov Sarvarbek Anvarbek o'g'li</b>  |     |
| Sanoat korxonalarining aksiyalar bozorida faoliyati tahlili: muammolar va yechimlar .....   | 57  |
| <b>Igitov Jurabek Kuzibekovich</b>  |     |
| Qurilishda modernizatsiya va diversifikatsiya qilish asosida yangi ishlab chiqarish quvvatlarini oshirish .....                         | 65  |
| <b>Islamov Ozodjon</b>  |     |
| Sanoat korxonalari innovatsion salohiyatini oshirishning tashkiliy-iqtisodiy mexanizmini takomillashtirish yo'llari.....                | 69  |
| <b>J. K. Boymurodov</b>   |     |
| Mamlakatda yashil iqtisodiyotni rivojlantirish yo'nalishlari .....  | 74  |
| <b>Kadixodjayeva Nilufar Raxmatullayevna</b>  |     |
| BlokchEYn texnologiyalari yordamida raqamli iqtisodiyotni o'zgartirish .....  | 79  |
| <b>Karabayev Rustam Zafarovich, Saitkamolov Muxammadxo'ja Sobirxo'ja o'g'li</b>   |     |
| Raqamli iqtisodiyot sharoitida zamonaviy mehnat bozorining rivojlanishi .....   | 86  |
| <b>Layli Mirzayeva</b>  |     |
| Xizmat ko'rsatish sohasini rivojlantirishda investitsion resurslardan samarali foydalanish mexanizmlari.....                            | 90  |
| <b>Luiza Komilovna Xaydarova</b>  |     |
| Umumta'lim muassasalari sonining ekonometrik tahlilini pedAgogik metodlar yordamida amalga oshirish....                                 | 95  |
| <b>Ravshanova Muhayyo Maxmanazarovna</b>  |     |
| O'zbekiston tarixiy shaharlarida turistik faoliyati shakllanishi va ularni boshqarishning nazariy asoslari.....                         | 100 |
| <b>Meliqulov G'ayrat Abdug'afforovich</b>   |     |
| Iqtisodiy rivojlanish va ilmiy tadqiqot rivojlanishining havo ifloslanish darajasiga ta'siri .....                                      | 107 |
| <b>Murodullayev Kamoliddin Sherzod o'g'li, Sadibekova Bibisora Djapparovna, Turdiqulov Farrux Ravshanjon o'g'li</b>                     |     |
| Hududlarni rivojlantirish va "yashil iqtisodiyot"ni shakllantirishning ekologik muammolari.....   | 112 |
| <b>Maxkamov Saidafzal Saidkamol o'g'li, Yigitaliyeva Dilnavo Mansurjon qizi</b>   |     |
| Ekoturizm obyektining tasniflanishi va alohida xususiyatlari .....  | 118 |
| <b>Qodirov Azizjon Anvarovich</b>   |     |
| Mamlakatimiz oliy ta'lim tizimida sifat menejmentidan foydalanishning konseptual asoslari .....   | 123 |
| <b>Saidqulova Furuza Farmonovna</b>   |     |
| Bo'lajak iqtisodchilarning kasbiy kompetensiyalari.....   | 127 |
| <b>Shukurova Marifat Xodjiakbar qizi</b>  |     |
| Ta'limning bosqichlari va ularning inson kapitalini shakllantirishdagi ahamiyati .....  | 131 |
| <b>To'rayeva Hurriyat To'yqulovna</b>   |     |
| Hududlarda to'g'ridan to'g'ri xorijiy investitsiyalarni jalb etish dasturini amalga oshirishda marketingni rivojlantirish yo'llari..... | 138 |
| <b>Xamidov O. X., Tojiyeva A. F.</b>  |     |
| Investitsiyalar marketingining strategik aspektlari.....  | 145 |
| <b>Xodjamberdiyeva Dilnoza Bahtiyorovna</b>   |     |



|  |     |
|--|-----|
| Xorijiy investitsiyalarni jalb etishda investitsion muhit jozibadorligini oshirishga nazariy qarashlar .....                               | 151 |
| <b>A. Bektemirov, A. A. Abdurahmonov</b>   |     |
| Qishloq xo'jaligi raqobatbardoshligini oshirishning ilg'or xorij tajribasi .....   | 156 |
| <b>Abdulloev Asliddin Junaydullayevich, Ochilov Narzullo Fayzulloyevich</b>  |     |
| Sanoat ishlab chiqarish tizimining investitsion xususiyatlari .....  | 161 |
| <b>Yodgorova Xalima To'liqinovna</b>   |     |
| Turizm sohasi uchun yuqori malakali kadrlarni tayyorlashda davlat va xususiy sherikchilikning o'zaro bog'liqligi tahlili .....             | 167 |
| <b>Raxmatov Adxam Itolmasovich</b>   |     |
| Mamlakatimizda turizm tashkilotlari faoliyatini qo'llab-quvvatlash maqsadida marketing instrumentlari orqali samarali tizim yaratish ..... | 171 |
| <b>Suyunova Kamilla Baxromovna</b>   |     |
| Qishloq xo'jaligida agrokimyo xizmatlar ko'rsatishning iqtisodiy samaradorligini oshirish yo'llari .....                                   | 175 |
| <b>Tabayev Azamat Zaripbayevich</b>  |     |
| Yashil iqtisodiyotga investitsiyalarni jalb qilishni faollashtirish muammolari .....   | 180 |
| <b>Xomitov K. Z., Masharipova S. R.</b>  |     |
| Considerations on the Problem of Illegal Migration and Human Trafficking .....   | 185 |
| <b>Azamatova Gulmira Bayirbekovna, Otarbayeva Guljan Kobeyevna</b>   |     |
| Sustainable Development and Environmental Economics in Uzbekistan: A Focus on Carbon Pricing and Renewable Energy .....                    | 188 |
| <b>Muhammadiyev Po'latjon Ilhomjon o'g'li, Urganbayeva Dilnoza Toxtasinovna</b>  |     |
| The use of Digital Technologies in the Provision Of Utilities to the Population .....  | 194 |
| <b>Mamanazarov Oybek Shomurodovich, Inoyatova Durdona Shoxaydarovna, Alijonov Jamshid Alijon o'g'li</b>                                    |     |
| The Current State of the Digital Economy in the Agrarian Sphere: Problems and Solutions .....  | 198 |
| <b>Babadjanov Abdirashid Musayevich</b>  |     |
| Behavioral Theory of the Firm .....  | 203 |
| <b>Egamberdieva Oydin Abror qizi</b>   |     |
| The Role of Information Technologies in Increasing the Capitalization of Commercial Banks .....  | 209 |
| <b>Egamova Makhfurat Esanovna</b>  |     |
| Финансовые риски в исламском финансировании для внедрения в Республики Узбекистан .....  | 213 |
| <b>Абдуллоев Фуркат Олимджонович</b>   |     |
| Совершенствование методологии экспертизы инвестиционных проектов .....   | 218 |
| <b>Бекимбетова Гулнора Маратовна</b>   |     |
| Методические подходы к формированию механизмов стратегического управления развитием химической отрасли .....                               | 225 |
| <b>Бибутова Шахло Саъдуллаевна</b>   |     |
| Меры по снижению доли теневой экономики в стране .....   | 230 |
| <b>Махмудова Юлдузхон Бахромжон кизи, Сафаров Гиёсиддин Абдуллаевич ўғли</b>   |     |
| Формирование национальной инновационной системы – одна из приоритетных задач повышения конкурентоспособности Республики Узбекистан .....   | 234 |
| <b>Н. М. Махмудов, А. А. Алиев, З. А. Мирзоев</b>  |     |
| Мониторинг и анализ современного состояния и развития промышленности в Узбекистане .....   | 239 |
| <b>Назарова Раъно Рустамовна, Исмоилова Малика Дилшодовна</b>  |     |
| Цифровая платформа как инструмент трансформации бизнес-процессов .....   | 245 |
| <b>Раупов Жамшид Рашидович</b>   |     |
| Роль применения ключевых показателей эффективности труда на предприятиях .....   | 251 |
| <b>Рахматуллаева Шахноза Хамидовна</b>   |     |
| Влияние цифровой трансформации на инвестиционную привлекательность Узбекистана .....   | 257 |
| <b>Саиткамолов Мухаммадхожа Сабирходжа ўгли, Маркабаева Жансая Айбек кызы</b>  |     |
| Организация и координация методической помощи при управлении педагогическими кадрами .....   | 263 |
| <b>Хакимова Майя Юрьевна</b>   |     |
| Интеграция узбекистана в мировое экономическое содружество путем унификации бухгалтерского учета на основе МСФО .....                      | 268 |
| <b>Зарипова Саёхат Зафаровна</b>   |     |
| Tijorat banklari tomonidan investitsiya loyihalarini moliyalashni rivojlantirish imkoniyatlari .....                                       | 273 |
| <b>Abduqodirova Ozoda Anvarjon qizi</b>  |     |
| Tijorat banklari tomonidan jismoniy shaxslarga ajratilgan kreditlarning joriy tahlili .....  | 278 |
| <b>Abdusalomov Jaxongir O'ktam o'g'li</b>  |     |





|   |     |
|---|-----|
| Globallashuv sharoitida mamlakatimizda sug'urta bozorini raqamlashtirishning ahamiyati .....  | 284 |
| <b>Anvarova Z.</b>  |     |
| The Role of Parents and Teachers in Promoting a Healthy Lifestyle in Children .....   | 288 |
| <b>Axtamov Djamshed Baxromovich</b>   |     |
| A Study of the Importance of Green Economy in Uzbekistan Sustainable Economic Development and its Measurement Indicators in Relation to Environment ..... | 293 |
| <b>Ataniyazova Maksuda Baltayevna, Tairova Zarnigor Mammad qizi</b>   |     |
| Konsolidatsiyalashgan moliyaviy hisobot tuzishning zarurligi.....   | 298 |
| <b>Avazov Ilxom Ravshanovich</b>  |     |
| Foydani soliqqa tortish obyekti sifatidagi iqtisodiy tarkibi.....   | 303 |
| <b>Axrоров Zarif Oripovich</b>  |     |
| Surxondaryo viloyatida aholining uy-joy bilan ta'minlanganlik darajasini tahlili.....   | 311 |
| <b>Ibragimov Qobil To'xtamishovich</b>  |     |
| Review of Methodological Approaches to Enterprises Financial Condition Analysis.....  | 316 |
| <b>Ismailova Maxbuba Mirxalilovna</b>   |     |
| Innovatsion rivojlanish sharoitida xizmat ko'rsatish sohasini tasniflanishining nazariy va ilmiy asoslari.....  | 321 |
| <b>Masharipova Manzura Alimbayevna</b>  |     |
| Korxonalarda benchmarking strategiyalarini qo'llashning ijtimoiy-iqtisodiy mexanizmlari.....  | 327 |
| <b>Narziyeva Dilafiruz Muxtorovna</b>   |     |
| Davlat budjetining soliqsiz daromadlari shakllanishini takomillashtirish yo'llari.....  | 332 |
| <b>O'ktamova Nargiza Narzulla qizi</b>  |     |
| Mamlakatimizda sanoat ishlab chiqarishi korxonalarining rivojlanish holati tahlili.....   | 336 |
| <b>Olimov Maqsudjon Komiljon o'g'li</b>   |     |
| Moliyaviy natijalar to'g'risidagi hisobotni moliyaviy hisobotning xalqaro standartlar talablari asosida tuzish.   | 341 |
| <b>Pardayeva Zulfizar Alimovna</b>  |     |
| Raqamlashtirish sharoitida qo'shma korxonasi faoliyatining tahlili.....   | 345 |
| <b>Rashidov Jamshid Xamidovich</b>  |     |
| Kichik biznes va xususiy tadbirkorlikning rivojlanishida oilaviy tadbirkorlikning o'rni.....  | 350 |
| <b>Raximov Baxromjon Ibroximovich, Saloxiddinov Zuxriddin Nuriddin o'g'li</b>   |     |
| Raqamli iqtisodiyot sharoitida xizmat ko'rsatishning ilmiy asoslari.....  | 354 |
| <b>Suyunov Asror Baxtiyorovich</b>  |     |
| Raqamli iqtisodiyot sharoitida telekommunikatsiya sohasini rivojlantirish ilmiy asoslari.....   | 358 |
| <b>Toshmatov Salohiddin Zayniddinovich</b>  |     |
| Raqamli iqtisodiyot sharoitida innovatsiyalarni joriy etishning huquqiy masalalari .....  | 362 |
| <b>Turg'unov Saloxiddin Jamol o'g'li, Mirzayeva Mohidil Vohidovna</b>   |     |
| Zamonaviy sharoitlarda korxonalarning moliyaviy baqarorligini yaxshilash masalalari .....   | 368 |
| <b>Usmanova Guljahon Ulug'bek qizi</b>  |     |
| Franshizalarni jalb qilishda davlat boshqaruvi tizimida marketing tadqiqotlarining ahamiyati .....  | 373 |
| <b>Xodjayev Anvar Rasulovich</b>  |     |
| Transport Decarbonization Strategy .....  | 379 |
| <b>Yarashova Vasila Kamalovna, Muradov Bekzod Xidirnazar ugli</b>   |     |
| Temir yo'l transportida ishlab chiqarish faoliyatining iqtisodiy samaradorligini oshirish .....   | 384 |
| <b>Yermatova Dilnoza Axmadjonovna</b>   |     |
| Iqtisodiyotda davlat ishtirokini qisqartirish va xususiy tadbirkorlikni rivojlantirish istiqbollari .....   | 389 |
| <b>Yuldashev Xusniddin Abdullayevich</b>  |     |
| Issiqlik ta'minoti xizmatlarini ko'rsatish samaradorligi va sifatini baholash ko'rsatkichlari tizimi.....   | 392 |
| <b>Abdulaziz Abdumo'minovich Matro'ziyev</b>  |     |
| Issiqlik ta'minoti xizmatlari sifatiga ta'sir etuvchi omillar va ularni baholash .....  | 396 |
| <b>Abdulaziz Abdumo'minovich Matro'ziyev</b>  |     |
| Jismoniy shaxslarning mol-mulkiga soliq solishni takomillashtirish.....   | 401 |
| <b>Abdullayev Zafarjon Alijonovich, Zaydullayev Abduhabib Boliquil o'g'li</b>   |     |
| Sug'urta tashkilotlarida hisob siyosatini ishlab chiqishning ahamiyati.....   | 406 |
| <b>Abduraimova Maftunaxon Axmatovna</b>   |     |
| Bank risklarini boshqarishning xalqaro tajribalari.....   | 411 |
| <b>Abdurasulov Jaxongir Abduvaliyevich</b>  |     |
| Tadbirkorlik subyektlari ijtimoiy ma'sulligini ta'minlash mexanizmining amal qilish darajasi.....   | 418 |
| <b>Bayisbayev Javlon Nurlanovich</b>  |     |



|   |     |
|---|-----|
| Qishloq aholisining qishloq xo'jaligida bilim va innovatsiyalarni o'zlashtirishiga ta'sir etuvchi omillarni iqtisodiy baholash (Samarqand viloyati misolida)..... | 423 |
| <b>Bozorova Lobar Nuralevna</b>   |     |
| Направления совершенствования инновационных стратегий в деятельности промышленных предприятий .....   | 429 |
| <b>Дониерова Зухрабону Алишер кизи</b>  |     |
| Mol-mulk solig'ining korxonalar faoliyatiga ta'siri.....  | 434 |
| <b>Qudiyarov Kishibay Ramatullayevich</b>   |     |
| Banklar reytingini aniqlash va barqarorligini ta'minlashning ustuvor yo'nalishlari.....   | 440 |
| <b>Maxmudov Omon Tuxtayevich</b>  |     |
| Iqtisodiyotni modernizatsiyalash sharoitida tijorat banklarining aktiv va passiv operatsiyalarini innovatsion usullar orqali boshqarishni takomillashtirish ..... | 444 |
| <b>Mo'minova Ma'suda Baxtiyarovna</b>   |     |
| Auditorlik tekshiruvini dasturiy ta'minot asosida tashkil etish: muammo va yechimlar.....   | 449 |
| <b>Nazarova Kamola Sattoral qizi</b>  |     |
| Ishlab chiqarish infratuzilmasini rivojlantirishning davlat tomonidan tartibga solish konsepsiyasi.....   | 455 |
| <b>Normurodov Xusan Eshmaxmatovich</b>  |     |
| O'zbekiston Respublikasida kichik biznes va xususiy tadbirkorlikning ahamiyati hamda uni rivojlantirish istiqbollari .....  | 462 |
| <b>Nurullayeva Shaxnoza, Saydullayeva Saodat</b>  |     |
| Tijorat banklari inson kapitali samaradorligini baholashda KPI ko'rsatkichlaridan foydalanish mexanizmlari .....  | 469 |
| <b>Turaeva Mastura Kurbanovna</b>   |     |
| Сущность и особенности инвестиционно-строительного процесса .....   | 473 |
| <b>А. Бектемиров, Б.М.Абдувалиев</b>  |     |
| Tijorat banklarida muammoli kreditlarni boshqarishning dolzarb masalalari.....  | 480 |
| <b>Saidov Hayotjon Raxmatulloyevich</b>   |     |
| Tijorat banklarida kredit operatsiyalari hisobini takomillashtirish.....  | 484 |
| <b>Sa'dullayeva Asalxon Muzaffarovna</b>  |     |
| Ko'p tarmoqli fermer xo'jaliklarining raqobatbardoshlikni baholash usullari .....   | 487 |
| <b>Abdulloyev Asliddin Junaydullayevich, Teshayev Mirolim Djumayevich</b>   |     |
| Tadbirkorlik subyektlarida soliq yukini optimallashtirish mexanizmi .....   | 492 |
| <b>To'xsanov Qudratillo Nozimovich</b>  |     |
| Davlat sektorida ichki audit tadbirlarini umumiy rejalashtirish .....   | 497 |
| <b>Xamidova Z. U.</b>   |     |
| Aholi moliyaviy savodxonligini oshirish va uning ahamiyati .....  | 503 |
| <b>Xudayarova Xurshida Abdunazarovna</b>  |     |
| Kambag'allikni qisqartirishning xorijiy mamlakatlar tajribasi.....  | 507 |
| <b>Xudoyberdiyev Jamshid Juraboy o'g'li</b>   |     |
| Oliy ta'lim muassasalarida buxgalteriya hisobi va ichki auditni takomillashtirish.....  | 513 |
| <b>Shaymatova Nargiza Ashurovna</b>   |     |
| Raqamli iqtisodiyot sharoitida sug'urta xizmatlari.....   | 518 |
| <b>Shodmonova Odina G'ofur qizi</b>   |     |
| Fuqarolar davlat pensiya ta'minoti tizimining amaldagi holati tahlili.....  | 522 |
| <b>Sholdarov Dilshod Azimiddin o'g'li</b>   |     |
| Aholiga bank xizmatlari ko'rsatishning ijtimoiy ahamiyati .....   | 527 |
| <b>Eldor Uskanov</b>  |     |
| Innovatsion boshqaruvning ilg'or xorijiy tajribalari .....  | 532 |
| <b>Yusupova Jamila Karamatdinovna</b>   |     |
| Neft-gaz korxonalari moliyaviy-iqtisodiy faoliyati natijalari tahlili ("O'ZBEKNEFTGAZ" AJ misolida) .....   | 536 |
| <b>Umurzoqov Jamoliddin Sherbekovich</b>  |     |
| Korxonalarda savdo marketing faoliyati samaradorligini baholash.....  | 543 |
| <b>Sobirov Azizbek Avzbekovich</b>  |     |
| Moliyaviy firibgarliklarga qarshi kurashishda raqamli texnologiyalardan foydalanish imkoniyatlari.....  | 550 |
| <b>Gadaev Ismat Yadgarovich</b>   |     |
| Hududlarda islom iqtisodiyoti tamoyillari asosida amalga oshirilgan investitsion loyihalar: to'siqlar va yechimlar .....  | 553 |
| <b>Irgasheva Gulbahor Sodiqovna</b>   |     |



|  |     |
|--|-----|
| O'zbekistonda investitsiyalardan samarali foydalanish asosida oziq-ovqat sanoati samaradorligini oshirish yo'llari .....         | 556 |
| <b>Kobilova Nasiba Xurramovna</b>  |     |
| Foreign Economic Relations as a Factor of Effective Functioning of the Economy .....   | 563 |
| <b>Bakhodurova Sulkhiya Azizkhodjaevna, Li Marina Rudolfovna, Mukhtarova Donata Ravshanbekovna, Romashkin Roman Anatolyevich</b> |     |
| Modern Approaches to the Organization and Development of the Consumer Services Market .....                                      | 568 |
| <b>Musyeva Shoirazimovna</b>   |     |
| Ishlab chiqarish siklini qisqartirishning iqtisodiy samaradorligi.....   | 572 |
| <b>Odina Nabiyeva Tuychiyeva, Nazarova Latofat Toirjon qizi</b>  |     |
| Asalarichilik mahsulotlari bozorida marketing strategiyasini amalga oshirish.....  | 577 |
| <b>Rashidova Xadicha Tursunalievna</b>   |     |
| Iqtisodiyotni modernizatsiyalash sharoitida bank faoliyatini iqtisodiy-matematik modellashtirish yo'llari .....                  | 583 |
| <b>Raxmanov Mexridin Sindarovich</b>   |     |
| Korporativ boshqaruv amaliyoti bo'yicha hisobot tuzish bo'yicha xorijiy tajriba .....  | 588 |
| <b>Tashmatov Rustam Xusanovich</b>   |     |
| Iqtisodiyotda davlat ishtirokini qisqartirish va xususiy tadbirkorlikni rivojlantirish istiqbollari .....                        | 594 |
| <b>Yuldashev Xusniddin Abdullayevich</b>   |     |
| Iqtisodiyotda turizm o'rnini statistik baholash uslubiyoti.....  | 597 |
| <b>Zilola Jumanova</b>   |     |
| Финансовые риски в исламском финансировании для внедрения в Республики Узбекистан .....  | 604 |
| <b>Абдуллоев Фуркат Олимджонович</b>   |     |
| Блокчейн-технология и информационная безопасность в цифровой экономике Узбекистана.....  | 609 |
| <b>Кадиров Алишер Исмаилович</b>   |     |
| Цифровая платформа как инструмент трансформации бизнес-процессов .....   | 613 |
| <b>Раупов Жамшид Рашидович</b>   |     |
| O'zbekistonda zamonaviy kabel va sim mahsulotlari ishlab chiqaruvchi korxonalar faoliyatiga nazar .....                          | 619 |
| <b>Rashidova Odina Olimjon qizi</b>  |     |
| Современные тенденции развития валютных отношений в Узбекистане .....  | 624 |
| <b>Камалов Камоладдин Кахрамонович</b>   |     |
| Sug'urta sohasining O'zbekiston iqtisodiyotidagi o'rni.....  | 628 |
| <b>Sharobiddinov Akramjon Goyibbayevich</b>  |     |
| Kichik biznes va tadbirkorlikni rivojlantirishning xorij tajribasi va undan O'zbekistonda foydalanish yo'nalishlari .....        | 632 |
| <b>Fayziyeva Aziza Azamat qizi</b>   |     |
| Modeling the Stackelberg strategy in a linear model (linear city) Hotelling.....   | 637 |
| <b>Musayeva Shaira Azimovna, Usmonova Dilfuza Ilkhomovna</b>   |     |
| Mulkning kapitallashuvi darajasini iqtisodiy jihatdan amalga oshirish samaradorligini baholash uslublari.....                    | 646 |
| <b>Norboyev Odil Abrayevich</b>  |     |
| Tijorat banklarining kredit portfelini amaliy holati va ekonometrik tahlillari: atb "Aloqabank" misolida.....                    | 651 |
| <b>Norov Akmal Ruzimamatovich, Norova Nozima Nabiyeva</b>  |     |
| O'zbekistonda "yashil iqtisodiyot" muhitida kreditlash va moliyalashtirish imkoniyatlari .....                                   | 656 |
| <b>Taxir Urkinbayev</b>  |     |
| Budjet tashkilotlarida ichki nazorat tizimini tashkil qilishning xususiyatlari.....  | 660 |
| <b>Abduraxmanov Ramazon Abdullayevich</b>  |     |
| Chinese Commercial Banks Experience in Asset Diversification .....   | 665 |
| <b>Uktamova Nozima Narzulla kizi</b>   |     |
| Sanoat taraqqiyotida ishlab chiqarish korxonalarini ustuvor rivojlantirish istiqbollari .....                                    | 669 |
| <b>Yadgarov Akram Akbarovich</b>   |     |
| Анализ деятельности коммерческих банков Узбекистана по кредитованию физических лиц.....  | 675 |
| <b>Базарова Нигора Равшановна</b>  |     |
| Mahalliy va xorijiy investitsiyalarni jalb etishning innovatsion jarayonlarga ta'sirini baholash.....                            | 686 |
| <b>Bobobekov Ergash Abdumalikovich</b>   |     |
| Raqamli iqtisodiyot sharoitida innovatsiyalarning iqtisodiy samaradorligini oshirish yo'llari .....                              | 691 |
| <b>Kuziyeva Nargiza Ramzanovna, Xusanov Faxriddin Jamoliddin o'g'li</b>  |     |
| Tashqi mehnat migratsiyasi.....  | 696 |
| <b>O. N. Djurayev</b>  |     |



|  |     |
|--|-----|
| Raqamli iqtisodiyotda sanoat tarmog'ining davlat tomonidan qo'llab-quvvatlanishini baholash .....  | 701 |
| <b>Otaboyeva Dildora</b>   |     |
| Nobank kredit tashkilotlarining moliyaviy xizmatlari sifatini oshirishning xorijiy mamlakatlar tajribasi .....                                       | 707 |
| <b>Raimov Xurshid Muxtorovich</b>  |     |
| Tijorat banklarida moliyaviy injiniringni qo'llash istiqbollari .....  | 713 |
| <b>Saipnazarov Sherbek Shaylavbekovich</b>   |     |
| O'zbekiston Respublikasi moliya bozorida tijorat banklari faoliyati: muammo va yechimlar .....   | 718 |
| <b>Toymuxamedov Ibroxim Rixsiboevich, Jumaev Islombek Akram o'g'li</b>   |     |
| Agrar ta'lim tizimida boshqaruv samaradorligini oshirish yo'llari .....  | 725 |
| <b>Boltayev Nurali Shiramatovich, Beglayev Uchqun Xurramovich, Abdiyev Izzat Risqiboyevich</b>   |     |
| O'zini o'zi band qilgan shaxslardan olinadigan soliqlarni takomillashtirish orqali yashirin iqtisodiyotni jilovlash masalalari .....                 | 733 |
| <b>Davranov Iskandar Jumayevich</b>  |     |
| Iqtisodiy konsentratsiyalarni tartibga solish va nazorat qilishni takomillashtirish .....  | 740 |
| <b>Luqmanov Sharifxon A'zam o'g'li</b>   |     |
| Role of Private and Public Kindergartens in Early Childhood Development .....  | 746 |
| <b>Makhmudova Munisakhon Abbos qizi</b>  |     |
| "Yashil" enegriya quvvatlarini barpo etish iqtisodiy barqarorlikni ta'minlash asosi sifatida .....   | 751 |
| <b>Muminova Elnoraxon Abdurakimovna, Umarova Dilnoza Oybek qizi</b>  |     |
| Xo'jalik yurituvchi subyektlarda CVP-tahlilni tashkil etishning muammoli jihatlarini .....   | 756 |
| <b>Qlichev Baxtiyor Pardayevich</b>  |     |
| Korxonada likvidlik riskini minimallashtirish orqali uning moliyaviy barqarorligini saqlab qolish .....  | 761 |
| <b>Latipova Shaxnoza Maxmudovna</b>  |     |
| Развитие международных торгово-экономических связей Республики Узбекистан .....  | 768 |
| <b>Ким Татьяна Валерьевна, Гофуржонова Шахрибону Бахромжон кизи</b>  |     |
| Kapital qurilishni boshqarish samaradorligini oshirishning dolzarb masalalari .....  | 776 |
| <b>A. Bektemirov, M. U. Sarimsoqov</b>   |     |
| O'zbekiston mehnat bozorida yoshlarning ish bilan bandlik darajasini oshirish .....  | 782 |
| <b>Mambetjanov Qahramon Qurbandurdiyevich, Bahromov Shahzod Fazliddinovich</b>   |     |
| Роль имиджа в улучшении инвестиционной привлекательности высших учебных заведений .....  | 789 |
| <b>Жанзаков Бекзот, Жонузоков Мирзабек</b>   |     |
| Innovatsion kichik tadbirkorlikni qo'llab-quvvatlash bo'yicha xorij tajribasi va uni mamlakat iqtisodiyotida qo'llash imkoniyati .....               | 797 |
| <b>Toshaliyeva Saodat Toxirovna, Eshqulova Dilorom Abduravupovna</b>   |     |
| Перспективы развития банковского сектора в Узбекистане для иностранных туристов .....  | 804 |
| <b>Муминов Шахзод Низомидинович, Каримова Азиза Махомадризовна</b>   |     |
| Innovatsion faoliyat moliyaviy modellari va mexanizmlarini rivojlantirishning konseptual asoslari .....  | 808 |
| <b>Ruzibayeva Nargiza Xakimovna</b>  |     |
| Qishloq xo'jaligi tarmoqlarini innovatsion rivojlantirish bo'yicha xorijiy tajribalar va ulardan respublikamizda samarali foydalanish yo'llari ..... | 816 |
| <b>Ishniyazov Baxrom Normamatovich</b>   |     |
| Turistik xizmatlarining o'ziga xos xususiyatlari va marketing tadqiqotlari .....   | 821 |
| <b>Berdikulova Iroda Rayimqulovna</b>  |     |
| Qoraqalpog'iston qishloq xo'jaligi: asosiy muammolar va rivojlanishining ustuvor yo'nalishlari .....   | 825 |
| <b>Yeshimbetov Uktamjon Xudaybergenovich</b>   |     |
| Iqtisodiyotning erkinlashtirilishi sharoitlarida kichik biznes sektori rivojlanishining imkoniyatlari .....  | 834 |
| <b>Botirova R. A., Sirojiddinov I. Q.</b>  |     |
| Kriptovalyuta va blokcheyn tadqiqotlari: tendensiyalar va istiqbollari .....   | 837 |
| <b>Berdikulov Jurabek</b>  |     |
| Bank risklarni monitoring qilish tizimini takomillashtirish .....  | 839 |
| <b>Hamroyev Sherzod Axtamovich</b>   |     |
| O'zbekiston hududlariga xorijiy investitsiyalarni jalb qilishda ko'p qavatli "yashil" fermer xo'jaliklarini tashkil etishning ahamiyati .....        | 845 |
| <b>Turdimuratova Aziza Alisherovna</b>   |     |
| Surxondaryo viloyatining mahalliy budjet daromadlarini oshirish yo'llari va uni arima modeli asosida prognozlash .....                               | 848 |
| <b>Abdunazarova Shahnoza Norqo'chqor qizi</b>  |     |





|  |     |
|--|-----|
| Qishloq xo'jaligi tarmog'ining mamlakat iqtisodiyotidagi o'rni va undagi tarkibiy o'zgarishlarni statistik baholash.....           | 858 |
| <b>Zakirova Umida Maxamadaminovna</b>  |     |
| O'zbekiston Respublikasida xizmat ko'rsatish korxonalarining ijtimoiy-iqtisodiy mohiyati .....                                     | 865 |
| <b>Pardayev Jamshid Muzaffarovich</b>  |     |
| Turizm bozorini rivojlantirishda mehnat bozorining tutgan o'rni va ahamiyati .....   | 874 |
| <b>Berdikulova Iroda Rayimqulovna, Berdikulov Jurabek</b>  |     |
| Проблемы расчета определения и планирования прибыли предприятий в условиях модернизации экономики .....                            | 878 |
| <b>Алиева С. С.</b>  |     |
| Роль применения информационных технологий "BLOCKCHAIN" в совершенствовании системы бухгалтерского учета Республики Узбекистан..... | 883 |
| <b>Холбеков Расул Олимович</b>   |     |
| Sanatoriy-sog'lomlashtirish muassasasida ichki audit qanday amalga oshiriladi: usullari .....                                      | 888 |
| <b>Shafkarov Faxriddin Xudayberdievich</b>   |     |
| Tashqi savdo operatsiyalarining yagona elektron axborot tizimida umidsiz qarzdorlik masalasi .....                                 | 894 |
| <b>Tashmuxe'dov Dilmirod Mirabzalovich</b>   |     |
| Принципы формирования отчета о финансовых результатах в национальной и зарубежной практике.....                                    | 899 |
| <b>Эргашева Шахло Тургуновна</b>   |     |
| Xalqaro raqamli integratsiyaning O'zbekiston an'anaviy banklarning raqobat muhitiga ta'siri .....                                  | 909 |
| <b>Abdujabbarov Abdurasul Abdurashid o'g'li</b>  |     |
| O'zbekistonda turizm sohasida kadrlar tayyorlash tizimini takomillashtirish: muammolar va strategiyalar.....                       | 917 |
| <b>Eshmurodov Rustam Sayfiddin o'g'li</b>  |     |
| Yoshlar turizmini rivojlantirishda ommaviy va alternativ turizmning o'rni hamda volontyorlikning xususiyatlari.....                | 920 |
| <b>Allayor Norboyev Ismoilovich</b>  |     |
| Parrandachilik statistikasi ko'rsatkichlar tizimini shakllantirishning nazariy asoslari.....                                       | 924 |
| <b>Bobomuratov Imomqul Islamovich</b>  |     |
| Iqtisodiyotda kambag'allik darajasini qisqartirishda moliya bozori instrumentlaridan foydalanish imkoniyatlari.....                | 929 |
| <b>Shaxnoza Qobilova</b>   |     |
| Sohibqiron Amir Temur va Adam Smitning soliqlarga bo'lgan qarashlarining xususiyatlari to'g'risidagi fikrlar .....                 | 934 |
| <b>Alimov Iloxomjon Ikromovich</b>   |     |
| O'zbekiston Respublikasida zamonaviy bank xizmatlarinin rivojlantirish istiqbollari (O'ZMILLIYBANK AJ misolida) .....              | 940 |
| <b>Kadirov Laziz</b>   |     |
| Milliy barqaror rivojlanish sohasidagi maqsad va vazifalarni amalga oshirishda iqtisodiy indikatorlar tahlili .                    | 943 |
| <b>Xoshimov Sobir Murtazayevich</b>  |     |
| The Role of Artificial Intelligence in Digital Transformation.....   | 947 |
| <b>Raimjonova Madina Asrarovna</b>   |     |
| Tadbirkorlikda innovatsion faoliyatni moliyalashtirish masalalari .....  | 951 |
| <b>Otaxanov Sardorbek Maxammadali o'g'li</b>   |     |
| Tadbirkorlik faoliyati samarasini oshirishda iqtisodiyotni rivojlantirishning strategik yo'nalishlari .....                        | 954 |
| <b>I. M. Kamoliddinov, Sodiqov Maqsudjon Abdulolimovich</b>  |     |
| Tadbirkorlik subyektlarini soliq mexanizmi orqali rivojlantirish masalalari.....   | 957 |
| <b>Akbarov Akramjon Ibroximjonovich</b>  |     |
| Yashil investitsiya samaradorligini oshirish masalalari.....   | 961 |
| <b>Ibrohimov Muhammadjon Abdullajanovich</b>   |     |
| Yengil sanoat korxonalarini rivojlantirish va eksport imkoniyatlarini oshirish yo'llari .....                                      | 964 |
| <b>K. M. Umarmuklov</b>  |     |
| "Yashil" iqtisodiyotni rivojlantirishda tadbirkorlik faoliyati va uning hissasini oshirish masalalari .....                        | 968 |
| <b>G. T. Mamajanova</b>  |     |
| Kichik biznes faoliyatini qo'llab-quvvatlashda mahalliy boshqaruv bilan mushtarak jihatlarining o'ziga xos xususiyatlari .....     | 972 |
| <b>Ubaydullayev Akmal Tulkinboyevich</b>   |     |



|   |      |
|---|------|
| Aholini ijtimoiy qo'llab-quvvatlashning tashkiliy-huquqiy asoslarini takomillashtirish masalalari.....                                | 978  |
| <b>Tursunov Abdulla Qoraboshevich</b>   |      |
| Институциональные концепции устойчивого развития в рамках стратегического управления экономикой региона.....                          | 982  |
| <b>Сеитова Лейла Пулатовна</b>  |      |
| Hududlarda turistik destinatsiyalarni majmuaviy rivojlantirishda raqobatbardoshlik strategiyasini takomillashtirish istiqbollari..... | 990  |
| <b>Mirzayev Abdullajon Topilovich</b>   |      |
| Современное состояние развитие системы железнодорожного транспорта.....   | 994  |
| <b>Саримсакова Малохат Хикматуллаевна</b>   |      |
| Relevance of Benchmarking in Industrial Enterprises.....  | 997  |
| <b>Uktamjonova Zulayxo Anvarjon qizi</b>  |      |
| Aholini ijtimoiy qo'llab-quvvatlashning tashkiliy-huquqiy asoslarini takomillashtirish masalalari.....                                | 1002 |
| <b>Tursunov Abdulla Qoraboshevich</b>   |      |
| Maktabgacha ta'lim tashkilotlarida davlat xususiy sheriklik asosida byudjetdan ajratilayotgan mablag'larning holati tahlili.....      | 1006 |
| <b>Xalilova Sh. G'.</b>   |      |
| Направления обеспечения конкурентоспособности во внешнеэкономических связях.....  | 1009 |
| <b>Ахмедов Икром Акрамович</b>  |      |
| O'zbekistonda natijaga yo'naltirilgan budjetlashtirish mexanizmini rivojlantirish.....  | 1023 |
| <b>Primova Nigora Ikrom qizi</b>  |      |
| Kichik biznes korxonalarida B2B bozorini tizimli tashkil etishning uslubiy jihatlari.....   | 1030 |
| <b>Zakirova Gulnoza Qudratovna</b>  |      |
| Current Trends in Agrotourism in Uzbekistan: Demand, Needs, and Motives of Agritourists.....  | 1034 |
| <b>Iroda Abdieva Gayrat kizi</b>  |      |
| Современное состояние достойного труда специалистов транспорта в условиях цифровизации.....   | 1039 |
| <b>Абдуллаева Нигора Шамсиддиновна</b>  |      |
| Обоснование методов оценки совершенствования конкурентоспособности предприятий легкой промышленности.....                             | 1043 |
| <b>Тухтасинова Мухайё Мирзасултоновна</b>   |      |
| Проблемные аспекты трансформации финансовой отчетности бизнеса юридических лиц.....   | 1049 |
| <b>Шин Инесса Олеговна</b>  |      |
| Cross-Cultural Management is a Separate Field of Science and Discipline.....  | 1055 |
| <b>Umarova Zulaykho, Rakhmanova Zilola</b>  |      |
| Tadbirkorlik subyektlarida xalqaro sifat standartlarini joriy etish tahlili.....  | 1058 |
| <b>Oqboyev Alisher Rasuljanovich</b>  |      |
| O'zbekiston iqtisodiyotida kichik biznesning o'rni.....   | 1062 |
| <b>Jo'rayev Ilhomjon Kamolidinovich</b>   |      |
| Iqtisodiy inqiroz davrida kredit xizmatlari bozorini davlat tomonidan tartibga solishning xorijiy modellari....                       | 1066 |
| <b>Kurbonov Rustam Radjabovich</b>  |      |
| Raqamli transformatsiya konsepsiyalari va uning ahamiyati.....  | 1071 |
| <b>Abdurahmonov Abdumalik Abdurashidovich</b>   |      |
| O'zbekistonda maktabgacha ta'lim tashkilotlarini davlat-xususiy sheriklik asosida moliyalashtirishning istiqbollari.....              | 1078 |
| <b>Xalilova Shoxsanam G'ayrat qizi</b>  |      |
| "EIZ" hududida soliq va bojxona rejimlari uchun imtiyozlarni tahlil qilish.....   | 1083 |
| <b>Xusanov Durbek Nishonovich, Djurayeva Iroda Bahrom qizi</b>  |      |
| Mamlakatimizda qishloq xo'jaligini lizing asosida moliyalashtirish istiqbollari.....  | 1087 |
| <b>Aliqulov Mehmonali Salahiddin o'g'li</b>   |      |
| Iqtisodiyotni rivojlantirishda sun'iy texnologiyalarning o'rni.....   | 1092 |
| <b>Xonova Nodira Fazliddinovna</b>  |      |
| O'zbekistonning investitsiya muhiti jozibadorligini oshirish yo'llari.....  | 1097 |
| <b>Sotimov Yunusbek Turg'unboy o'g'li</b>   |      |
| "Yashil" sanoat siyosatini yuritish zaruriyati: bozor nuqsonlaridan milliy xavfsizlikkacha.....                                       | 1102 |
| <b>Muqimov Sherali Axmadali o'g'li</b>  |      |
| O'zbekiston to'qimachilik sanoatining hozirgi holati tahlili va rivojlantirish istiqbollari.....                                      | 1107 |
| <b>Madraximova Gulasal Ro'zimboy qizi</b>   |      |



|   |      |
|---|------|
| Improving the Methodology of Econometric Analysis of the Efficiency of Financial Activity of Agricultural Agroclusters of Uzbekistan..... | 1112 |
| <b>Ochilov Ilhom Sayitkulovich</b>  |      |
| O'zbekistonda "Yashil" iqtisodiyotga o'tish va "Uglerod neytralligiga erishish" strategiyalarining ahamiyati ....                         | 1120 |
| <b>Pulatov Dilshod Haqberdiyevich, Quliyev Ulug'bek Mirzayevich, Mamataliyev G'ayrat Chori o'g'li, Bazarov Shodi Abdirahmonovich</b>      |      |
| Oziq-ovqat mahsulotlari brend qiymatini oshirishda marketing strategiyalari.....  | 1127 |
| <b>Xodjiyev Ibroxim Ikramovich</b>  |      |
| Актуальные вопросы укрепления доверия населения к банковской системы Республики Узбекистан  | 1133 |
| <b>Рузибоева Нилуфар Тулкин кизи</b>  |      |
| Hududlarda ijtimoiy-iqtisodiy nomutanosiblikni kamaytirish uchun mintaqaviy siyosat vositalarining xorijiy mamlakatlar tajribasi.....     | 1139 |
| <b>Normurodov Alibek Anvar o'g'li</b>   |      |
| Mintaqa korxonalarining rivojlanish potensialini shakllantirishda innovatsion marketingning o'rni va mohiyati.....                        | 1146 |
| <b>Axmedov Alim Babaniyazovich</b>  |      |
| O'zbekistonda turizm sohasini rivojlantirishning ijtimoiy-iqtisodiy jihatlarini tokomillashtirish yo'llari.....                           | 1150 |
| <b>Samandarova Dilfuza Mansurovna</b>   |      |
| Raqamli iqtisodiyot sharoitida ishsizlikning iqtisodiy oqibatlari: mavjud muammolar va yechimlar.....                                     | 1157 |
| <b>Fatilloev Farrux Farhod o'g'li</b>   |      |
| O'zbekiston Respublikasida qishloq xo'jaligi tarmog'iga ta'sir qiluvchi ko'rsatkichlarning iqtisodiy-statistik tahlili.....               | 1162 |
| <b>Zakirova Umida Maxamadaminovna</b>   |      |
| Banklar tomonidan muammoli kreditlar bilan ishlash samaradorligini oshirish yo'llari ("Agrobank" ATB misolida).....                       | 1171 |
| <b>Yusufov Xurshidjon Sharifovich</b>   |      |
| Namangan viloyatida don va don mahsulotlari narxini shakllanishining bozor tadqiqoti.....   | 1176 |
| <b>Bahriddinov Jahongirbek Ravshanjon o'g'li</b>  |      |



# IMPROVING THE METHODOLOGY OF ECONOMETRIC ANALYSIS OF THE EFFICIENCY OF FINANCIAL ACTIVITY OF AGRICULTURAL AGROCLUSTERS OF UZBEKISTAN

ORCID:0000-0002-0147-9717

**Ochilov Ilhom Sayitkulovich**

Tashkent State Agrarian University,  
Candidate of Economics, associate professor

**Abstract:** In this article, the econometric analysis of the factors affecting the financial activity of the existing agricultural agroclusters in Uzbekistan and their assessment are made, and scientific recommendations on forecast indicators are developed. Since the research data are based on multivariate time series, the autoregressive distributed lag (ARDL) model was used to develop the econometric models.

**Key words:** agrocluster analysis, agrocluster financing, economic analysis, cotton-textile clusters, economic efficiency, econometric analysis, forecast indicators.

**Annotatsiya:** Ushbu maqolada O'zbekistondagi mavjud qishloq xo'jaligi agroklasterlarining moliyaviy faoliyatiga ta'sir etuvchi omillar ekonometrik tahlil qilingan va ularga baho berilgan, prognoz ko'rsatkichlari bo'yicha ilmiy tavsiyalar ishlab chiqilgan. Tadqiqot bo'yicha ma'lumotlar ko'p o'zgaruvchili vaqtli qatorlarga asoslanganligi uchun ekonometrik modellarni ishlab chiqishda avtoregressiv taqsimlangan kechikish (ARDL) modeli qo'llanildi.

**Kalit so'zlar:** agroklaster tahlili, agroklasterlarni moliyalashtirish, iqtisodiy tahlil, paxta-to'qimachilik klasterlari, iqtisodiy samaradorlik, ekonometrik tahlil, prognoz ko'rsatkichlari.

**Аннотация:** В данной статье рассмотрен эконометрический анализ факторов, влияющих на финансовую деятельность существующих сельскохозяйственных агрокластеров Узбекистана, их оценка, а также разработаны научные рекомендации по прогнозным показателям. Поскольку данные исследования основаны на многомерных временных рядах, для разработки эконометрических моделей использовалась модель авторегрессии с распределенным лагом (ARDL).

**Ключевые слова:** агрокластерный анализ, финансирование агрокластеров, экономический анализ, хлопково-текстильные кластеры, экономическая эффективность, эконометрический анализ, прогнозные показатели.

## INTRODUCTION

Foreign experience shows that agroclusters as a changing ecosystem play a decisive role in stimulating agricultural growth, supporting innovation and facilitating the production of agricultural products. Agricultural agroclusters encourage adoption of innovative technologies and serve to reduce costs and implement smart specialization strategies <sup>[2]</sup>.

However, in our country, the econometric analysis of the organizational-economic and financial efficiency of agricultural agroclusters, the identification of factors affecting efficiency and the creation of forecast indicators have not been carried out sufficiently.

Clustering of small agricultural enterprises in agro-industrial clusters allows to expand production possibilities, increase competitiveness and access to new markets. Agroclusters are a transitional form of agricultural ecosystems and are classified according to various criteria <sup>[3]</sup>.



Effective functioning of clusters in agriculture leads to economic growth and increases the competitiveness of the regional economy <sup>[4]</sup>. Also, agroclusters have been found to have a positive effect on farmers' innovation propensity through cognitive capital, social belonging, and perceived competence <sup>[5]</sup>.

Agrocluster brings together different stakeholders in agriculture, from farmers and processors to researchers and practitioners. Financial analysis serves as an approach that guides agroclusters to sustainable development, efficient allocation of resources, and strategic decision-making.

Financial analysis of agroclusters includes an assessment of the financial performance and viability of individual enterprises and the cluster as a whole. Such an analysis includes an assessment of the financial status of enterprises, their financial efficiency, stability and profitability <sup>[6]</sup>. Various financial indicators are used to calculate various components of financial condition, such as solvency, liquidity and financial stability ratios. Evaluation of agroclusters is carried out using the methods of financial statement analysis and comparative analysis of financial analysis <sup>[7]</sup>.

Improving the financial analysis of agroclusters is very important for identifying financial problems, establishing causal relationships and finding ways to improve the financial situation <sup>[8]</sup>. Development of a system for assessing the financial condition of agroclusters, which allows to determine the probability of a financial crisis by using multi-factor indicator models <sup>[9]</sup>. Also, special liquidity indicators can be used to analyze the liquidity of assets in agroclusters, which is an important financial tool for assessing solvency <sup>[10]</sup>.

The results of the analysis are used in making management decisions, evaluating public policy and developing recommendations for improving agriculture. It includes a variety of tools and techniques, including ratio analysis, cash flow analysis, and financial modeling. These analyzes provide valuable information on the profitability, liquidity, solvency and efficiency of agrocluster entities, enabling stakeholders to make informed decisions.

Therefore, in this study, an econometric analysis of the factors affecting the financial activity of the existing agricultural agroclusters in Uzbekistan and their assessment were made, and scientific recommendations were developed on forecast indicators.

## LITERARY ANALYSIS

Many foreign scientists have conducted research on improving the financial analysis of agroclusters. In particular, M. Beranova and others conducted primary research on a statistical sample of agricultural agroclusters and found that state subsidies play an important role in the financial performance of organizations in this field. Their research findings show that agroclusters focus on key drivers of financial performance, including operating profit, capital structure, and cost of capital <sup>[11]</sup>.

Sergey Butorin emphasized the importance of agroclusters as a promising form of association for business entities that enables innovative development through cooperation and strategic partnership. In his opinion, effective mechanisms of transformation of production capacity and re-production of technical potential of agrocluster economic entities will lead to development. Integration and cooperation of production and sales in agroclusters serves to commercialize production, technological and innovative areas, making them more convenient for consumers <sup>[12]</sup>.

Also, many econometric models have been developed by foreign scientists on the factors influencing the financial activity of agroclusters. In particular, Putsenteilo P. and others developed a method of calculating economic and financial indicators based on the interdependence of partner enterprises of agro-industrial clusters. The results of the econometric research of the scientists show that attracting investments to the agrocluster will lead to a decrease in the production of agricultural products in the country if the negative forecast is maintained at the average level of the previous ears. If investment attraction increases by 20%, (realistic forecast) production will increase by 1.86%. Comparing the forecasted volumes of agricultural production with domestic needs will help to estimate the volume of exports of products in the future <sup>[13]</sup>.

R. Litvin developed econometric models for forecasting economic indicators of agricultural enterprises and agroclusters with direct foreign investment. In the study, practical econometric methods were used to forecast the economic indicators of agroclusters in 2000–2011. The scientist developed linear trend, parabolic trend and exponential trend models for the research and explained that the experimental data from 2000 to 2009 are adequate. According to the coefficients of the regression equations, cash flow, asset value and sales revenue had a positive effect on the net profit of the agrocluster <sup>[14]</sup>.

Serhii Lehenchuk et al used panel data regression analysis to study the relationship between financial performance indicators of agroclusters and various independent variables. The study used factors such as leverage, materiality of assets, debt-to-equity ratio, current ratio, capital density, size, and legal form and type of ownership as factors that significantly affect the financial performance of agroclusters in different countries. According to the results of the study. factors such as current ratio, debt equity and capital intensity have a significant impact on financial performance indicators in agroclusters <sup>[15]</sup>.





Among foreign scientists, Jr. Tabe-Ojong and others emphasized the importance of taking into account the specific economic characteristics and environment of agroclusters in the analysis of factors determining financial results. According to the econometric equations of the study, agroclusters have been shown to have a positive relationship in reducing household income and per capita income, poverty and disparities in poverty. Also, according to the results of the regression equations, agroclusters are associated with an increase in welfare for all households and lead to a significant increase in agricultural income and welfare <sup>[16]</sup>.

Among the European scientists, Lehenchuk and others developed regression equations based on panel data of the determinants of financial performance of agroclusters in their research. The study found a negative effect of the number of Slovakian agroclusters on return on assets (ROA) and return on equity (ROE). It is also found that debt to equity has a positive effect on ROE. According to the results of the study, there is a direct relationship between financial indicators in the Slovak agricultural sector, which can be used to improve management decisions, evaluate agricultural sector decisions and make recommendations for improving the sector <sup>[17]</sup>.

## RESEARCH METHODOLOGY

Since the data in this study are based on multivariable time series, the autoregressive allocated lag ARDL (Autoregressive allotted lag) model was used in the development of econometric models. The ARDL model is widely used in econometric methods due to its flexibility and the ability to analyze long-term relationships between variables.

This model includes autoregressive distributed lag terms, this model is widely used in modeling various economic processes <sup>[18]</sup>.

The ARDL model is used in cointegration analysis because it allows testing and analyzing the degree of relationship between variables. The ARDL model was used to study the dynamic causal relationships between macroeconomic indicators such as inflation rate, exchange rate, money supply and GDP in different countries <sup>[19]</sup>. Also, the ARDL model has been used to study the causal relationship between spot, futures and options markets and the relationship between prices in financial markets <sup>[20]</sup>.

The ARDL model is described in detail in the scientific paper "boundary testing approaches for the analysis of long-run relationships" by the famous economists Pesaran, Shin, and Smith, and is widely used in economic, environmental, and political science programs <sup>[21]</sup>.

The ARDL model has been used in poverty reduction research in Kenya, where economic growth has been found to contribute to poverty reduction <sup>[22]</sup>. It was also used to study the relationship between savings, investment and economic growth in Ethiopia, which found that savings and investment are related to real GDP <sup>[23]</sup>.

The ARDL model provided evidence for long-run relationships between productivity, unemployment, tax payments, union strength and wages in a study of the UK earnings equation <sup>[24]</sup>.

Integration is a procedure used to make non-stationary time series stationary. The ARDL model allows variables to be combined with order 0, order 1, or a combination of both <sup>[25]</sup>.

The ARDL model is known for its flexibility in dealing with stationary and non-stationary variables. It includes autoregressive (AR) and distributed lag (DL) terms, which enable the analysis of dynamic relationships in time series data. The model is used to examine the long-term and short-term effects of the variables, as well as to examine cointegration and the existence of long-run relationships between the variables of interest. This versatility is especially important when processing economic and financial time series data that describe non-stationary variables <sup>[26]</sup>.

In our previous research work, we developed a number of scientific recommendations on improving the methodology of financial efficiency analysis of agroclusters <sup>[27-34]</sup>. Our work is their logical continuation.

## ANALYSIS AND RESULTS

According to the research, the statistical agency under the President of the Republic of Uzbekistan ([www.stat.uz](http://www.stat.uz)) and the Ministry of Agriculture of the Republic of Uzbekistan ([www.agro.uz](http://www.agro.uz)) from 2001 to 2022, in connection with the development of the financial activity of agricultural organizations and agroclusters in our republic and their impact on it, in total Economic indicators of 22 observations were used as data sources.

The fit of the regression equation derived from the ARDL model was assessed by Gaussian Markov significance criteria and Cusum diagnostic test scores. According to the econometric model, the delayed effect of the independent variables on the dependent variable in subsequent years was estimated. Agricultural and agrocluster output (dependent variable) is affected by factors such as the amount of investment in agricultural agroclusters, the land area of agricultural agroclusters, and the number of agricultural agroclusters.

At the next stage of the research, the analytical graphic representation of dependent and independent variables over time was expressed (Fig. 1).

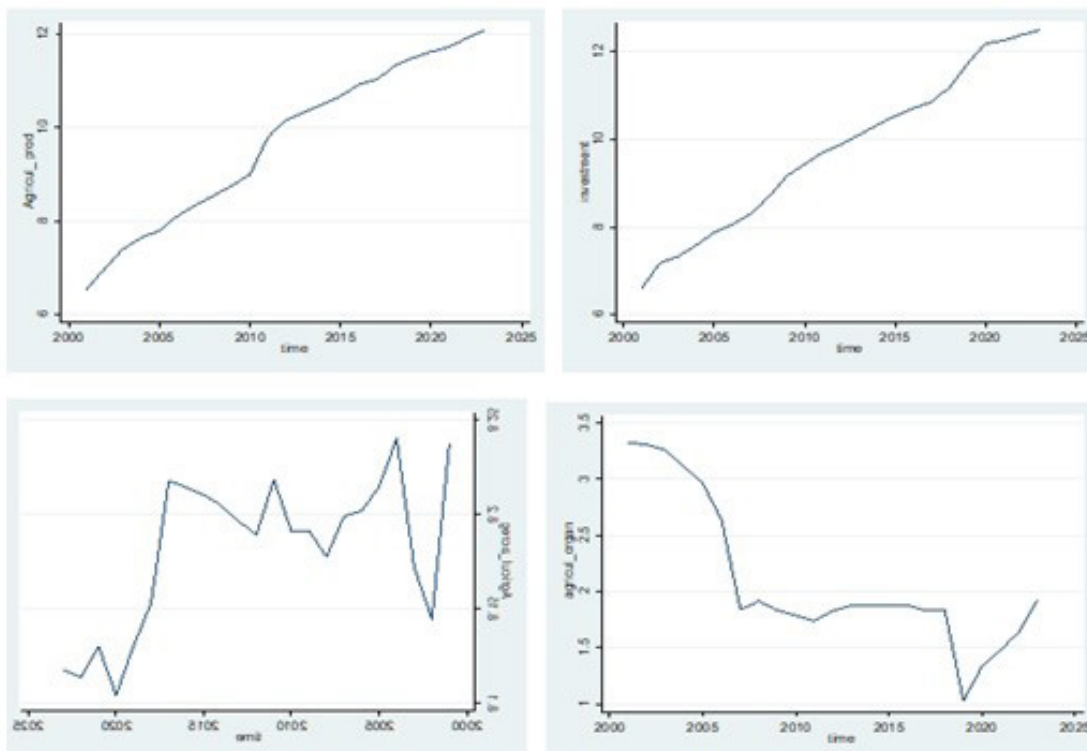


Figure 1: Analytical graphical representation of dependent and independent variables over time<sup>1</sup>

It can be seen from Figure 1 that the factors of agricultural agrocluster products and investment volume factors in agricultural agroclusters have shown an upward trend in previous ears and forecast ears. Land areas of agricultural agroclusters showed a state of stationarity in the analyzed period of time, and the number of agricultural agroclusters showed trend lines of decline in the analyzed period of time.

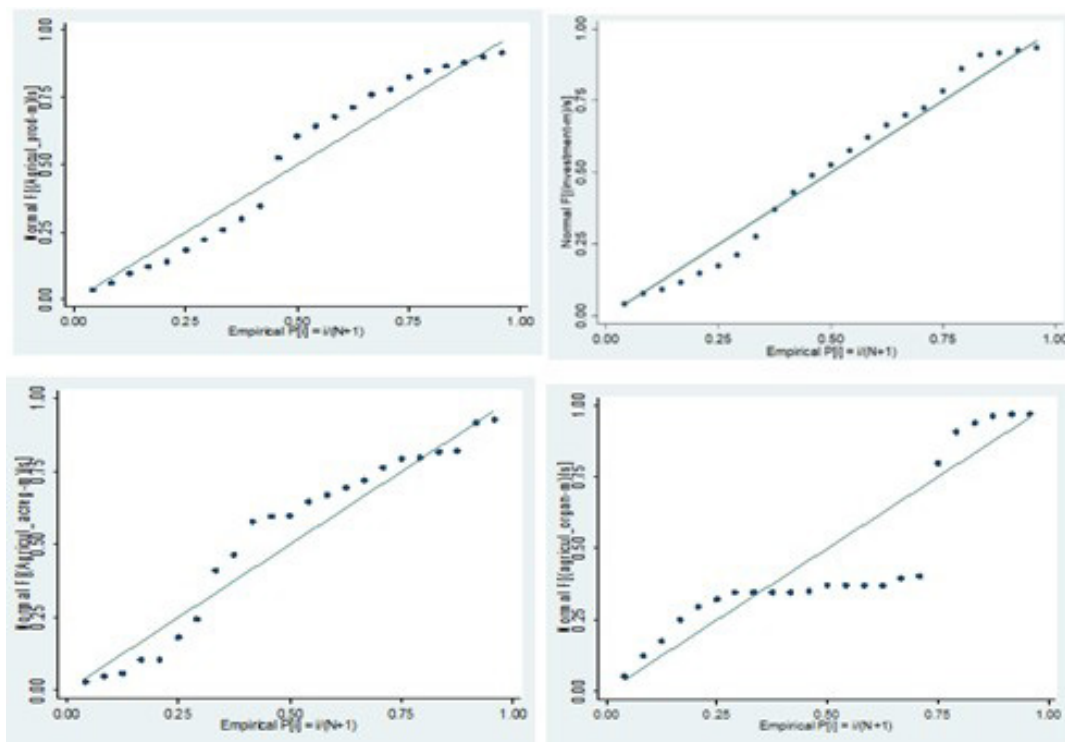


Figure 2: Standardized normal probability plot of dependent and independent variables<sup>2</sup>

1 Independently developed by the author

2 Independently developed by the author

Figure 2 illustrates the use of parametric statistical analysis involving dependent and independent variables. This approach serves to increase the reliability and interpretability of subsequent analyses. In addition, the standardized normal probability plot for the dependent variable shows the approximate probability of the data points with a diagonal line. The fact that the independent variables consistently followed a diagonal pattern across all plots strengthened confidence in the assumption of normality. Also, the decrease in the number of agricultural agroclusters over the ears and the state of change indicate that certain balances in this distribution have been disturbed.

At the next stage of the research, the correlation matrix was checked for each of the dependent and independent variables based on the Stata program (Table 1).

**Table 1: Correlation matrix of dependent and independent variables<sup>3</sup>**

| Variables        | (1)      | (2)      | (3)      | (4)   |
|------------------|----------|----------|----------|-------|
| (1) Agricul_prod | 1.000    |          |          |       |
| (2) investment   | 0.6994   | 1.000    |          |       |
|                  | (0.0000) |          |          | ***   |
| (3) Agricul_ac~g | -0.5432  | -0.6226  | 1.000    |       |
|                  | (0.0000) | (0.0015) |          | ***   |
| (4) agricul_or~n | -0.6883  | -0.6893  | 0.4243   | 1.000 |
|                  | (0.0000) | (0.0000) | (0.0436) | ***   |

The relationship between the dependent and independent variables showed that there is a high, strong and inverse correlation between the dependent variable and the factors influencing it. Also, the correlation matrix presented in Table 1 showed that there is no multicollinearity between the dependent variable (outcome) and independent variables (characteristic factors), and considering that the p value is less than 0.05, it indicates the strength of the reliability of the correlation relationship.

In the next step, the Unit-root test was conducted to determine the stationarity of the dependent and independent variables (Table 2).

**Table 2: Unit-root test scores on dependent and independent variables<sup>4</sup>**

| O'zgaruvchilar                      | Test Statistic | 1% Critical Value | 5%Critical Value | 10%Critical Value | p-value for Z(t) |
|-------------------------------------|----------------|-------------------|------------------|-------------------|------------------|
| Bog'liq o'zgaruvchi (Agricul_prod)  | -4.579         | -3.750            | -3.000           | -2.630            | 0.0062           |
| Mustaqil o'zgaruvchi (investment)   | -3.848         | -3.750            | -3.000           | -2.630            | 0.0025           |
| Mustaqil o'zgaruvchi (Agricul_ac~g) | -6.060         | -3.750            | -3.000           | -2.630            | 0.0000           |
| Mustaqil o'zgaruvchi (agricul_or~n) | -4.096         | -3.750            | -3.000           | -2.630            | 0.0010           |

Based on the data presented in Table 2 above, the unit-root test (Unit-root ) obtained a statistical value of (-4.579) for the dependent variable and values of (-3.848, -6.060 and -4.096) for the independent variables. The results of the unit-root test show that the dependent and independent variables have reached stationarity, which is confirmed by the minimum McKinnon values of Z(t) = 0.0062, 0.0025, 0.0000 and 0.0010.

An econometric model was developed using the ARDL model for the study. Below is an econometric model based on the ARDL model.

$$\Delta \text{Agricul\_prod}_{it} = \alpha_0 + \alpha_1 \sum_{p=1}^n \Delta y_{i,t-p} + \alpha_2 \sum_{p=1}^n \Delta \text{investment}_{1i,t-p} + \alpha_3 \sum_{p=1}^n \Delta \text{Agric\_acreg}_{2i,t-p} + \alpha_4 \sum_{p=1}^n \Delta \text{Agricul\_organ}_{3i,t-p} + \gamma_1 Y_{i,t-p} + \gamma_2 X_{1i,t-1} + \gamma_3 X_{2i,t-1} + \gamma_4 X_{3i,t-1} + \varepsilon_{i,t} \quad (1)$$

Equation (1) represents the linear ARDL model, y gives short- and long-term forecasts. Also, in the next step, the ARDL model econometric equation was developed in the following table based on the Stata program (Table 3).

<sup>3</sup> It was developed independently by the author based on the Stata program

<sup>4</sup> It was developed independently by the author based on the Stata program

Table 3: ARDL(2,2,2,0) model regression equation indicators<sup>5</sup>

ARDL(2,2,2,0)

Sample: 2003–2023

R-squared = 0.7030

Adj R-squared = 0.6600

regression

Number of obs = 21

Root MSE = 0.1117

Log likelihood = 23.017594

| D.            |         |          |        |       |           |           |
|---------------|---------|----------|--------|-------|-----------|-----------|
| Agricul_prod  | Coef.   | Std.Err. | t      | P>t   | [95%Conf. | Interval] |
| ADJ           |         |          |        |       |           |           |
| Agricul_prod  |         |          |        |       |           |           |
| L1.           | -0.832  | 0.186    | -4.480 | 0.001 | -1.241    | -0.423    |
| LR            |         |          |        |       |           |           |
| investment    | 1.095   | 0.051    | 21.430 | 0.000 | 0.982     | 1.207     |
| Agricul_acreg | 8.686   | 1.523    | 5.700  | 0.000 | 5.333     | 12.039    |
| agricul_organ | 0.165   | 0.116    | 1.430  | 0.081 | -0.090    | 0.420     |
| SR            |         |          |        |       |           |           |
| Agricul_prod  |         |          |        |       |           |           |
| LD.           | 0.479   | 0.194    | 2.470  | 0.031 | 0.051     | 0.907     |
| investment    |         |          |        |       |           |           |
| D1.           | -0.201  | 0.263    | -0.760 | 0.461 | -0.778    | 0.377     |
| LD.           | -0.461  | 0.250    | -1.850 | 0.092 | -1.011    | 0.089     |
| Agricul_acreg |         |          |        |       |           |           |
| D1.           | -4.439  | 1.567    | -2.830 | 0.016 | -7.888    | -0.990    |
| LD.           | -3.925  | 1.218    | -3.220 | 0.008 | -6.606    | -1.245    |
| _cons         | -60.168 | 16.439   | -3.660 | 0.004 | -96.349   | -23.987   |

The R-squared value in the ARDL (2,2,2,0) model is 0.70, indicating that approximately 70% of the variation in the dependent variable is explained by the independent variables included in the model. Also, the specified combination of lagged dependent and independent variables, other factors taken into account in the model together help to explain a significant part of the observed changes in the dependent variable. This indicates the moderately strong level of explanatory power for a given model specification.

The Log likelihood probability value 23.017594 in the ARDL (2,2,2,0) model represents the maximum value of the logarithm of the likelihood function given the observed data. In statistical modeling, Log likelihood is an important measure used to evaluate the fit of the model to the data.

The Root Mean Square Error (RMSE) value of 0.1117 in the ARDL (2,2,2,0) model represents the root mean square of the squared differences between the observed values and the predicted values of the dependent variable. Basically, it provides an estimate of the average magnitude of the model's residuals or forecast errors. In this context, a Root MSE of 0.1117 indicates that the model's predictions deviate by about 0.1117 units from the observed values. From the point of view of this regression analysis, the positive econometric result indicates that the ARDL model with fixed parameters can effectively explain the fluctuations in the dependent variable.

High R-squared values, favorable Log likelihood results, and reduced RMSE together indicate a robust fit of the model to the data, giving it the ability to capture important aspects of underlying economic dynamics.

## CONCLUSIONS AND OFFERS

The following proposals and recommendations were developed as a result of the analysis and conclusions of the study of the interaction of the products of agricultural agroclusters in the national economy, the volume of investment in agricultural agroclusters, the land areas of agricultural agroclusters and the number of agricultural agroclusters.

<sup>5</sup> Developed by the author



According to the ARDL (2,2,2,0) model,

1. A 1% increase in the volume of investments in agricultural agroclusters leads to an increase in the output of agricultural agroclusters by 1.09%. This indicates that there is little more than a positive and proportional relationship between investment volume and output. This means that more investment in these sectors will lead to higher output.
2. A 1% increase in the land area of agricultural agroclusters leads to an 8.68% increase in the products of agricultural agroclusters. This shows an important and serious relationship between land area and production. Also, the expansion of land areas intended for agricultural agrocluster activities leads to a significant increase in production, which reflects the importance of land resources in these sectors.
3. A 1% increase in the number of agroclusters in agriculture leads to a 0.16% increase in agricultural agrocluster products. This indicates a significant correlation between the number of organizations and output. This means that the increase in the number of agricultural agroclusters contributes positively to the growth of production, represents a positive effect on other factors such as investments and land area.
4. These econometric results emphasize the importance of investments, land area and the number of organizations in the production of agricultural agrocluster products in the national economy. They provide insight into the key factors affecting production levels in these sectors and provide researchers, practitioners and stakeholders with an important input into decision-making processes related to agricultural development and investment.

#### References:

1. O'zbekiston Respublikasi Prezidentining 2023-yil 12-dekabrdagi "Qishloq xo'jaligida erkin bozor munosabatlarini yanada rivojlantirishning qo'shimcha chora-tadbirlari to'g'risida"gi PF-205-son Farmoni.
2. Гюнтер И. Н., Молчанова Л. А. Развитие инноваций на основе интеграционных процессов кластеризации и кооперации агропромышленного сектора //Научный результат. Экономические исследования. – 2023. – Т. 9. – №. 2. – С. 53-62.
3. Mikhaylova V.N. (2023). Cluster approach in the development of small agribusiness subjects. Vestnik of Kazan State Agrarian University, 18(1):121-126. doi: 10.12737/2073-0462-2023-121-126
4. Yunusov I. et al. Clustering of agriculture in the Republic of Uzbekistan //E3S Web of Conferences. – EDP Sciences, 2023. – Т. 381. – С. 02002.
5. Houaga R. P., Moumouni-Moussa I. Understanding Psychosocial Mechanisms of Farmers's Propensity to Innovate in a Context of Cluster-Based Agribusiness Development //Journal of Agricultural Studies. – 2023. – Т. 11. – №. 2. – С. 1-13.
6. Wiza-Augustyniak P. L. Analysis of the Financial Health of Selected Companies in the Agri-Food Sector Using the Topsis Method //Annals of the polish association of agricultural and agribusiness economists. – 2023. – Т. 25. – №. 1. – С. 291-311.
7. Krasnostanova N. et al. Directions of monitoring the financial activity of agricultural enterprises. – 2022.
8. Шаренко А., Метлицкий В. Совершенствование финансовой диагностики возникновения и развития кризисных ситуаций в сельскохозяйственных организациях //Аграрная экономика. – 2023. – №. 4. – С. 3-22.
9. Svytnous I. et al. Organizational approaches to improving the accounting and analytical system at agricultural enterprises //innovative economy. – 2023. – №. 1. – С. 88-93.
10. Медведева Т. А. и др. Финансы предприятий агропромышленного комплекса: актуальные вопросы анализа и управления //Аграрная наука. – 2023. – Т. 1. – №. 11. – С. 194-199.
11. Beranová M. et al. Clustering of agricultural enterprises //Acta Universitatis Agriculturae et Silviculturae Mendelianae Brunensis. – 2013. – Т. 61. – №. 2. – С. 289-296.
12. Sergey, B. (2018). Scientific bases of innovative development of agrarian economic entities: a cluster approach. In MATEC Web of Conferences (Vol. 212, p. 07007). EDP Sciences.
13. Putsenteilo P., Kostetskyi Y. Using cluster analysis methods to forecast the investment development of agricultural sector enterprises //innovative economy. – 2020. – №. 7-8. – с. 88-99.
14. Rostyslav L. Econometric forecast of agribusiness activity in context of foreign direct investments' attraction //Russian Journal of Agricultural and Socio-Economic Sciences. – 2017. – Т. 70. – №. 10. – С. 52-55.
15. Lehenchuk, S., Chyzhevska, L., Meluchova, J., Zdyrko, N., & Voskalo, V. (2023). Determinants of agricultural companies' financial performance: the experience of Poland, Slovakia and Ukraine. Investment Management and Financial Innovations. 2023. Volume 20. Issue 1. P. 99-111. [http://dx.doi.org/10.21511/imfi.20\(1\).2023.10](http://dx.doi.org/10.21511/imfi.20(1).2023.10).
16. Jr Tabe-Ojong M. P., Dureti G. G. Are agro-clusters pro-poor? Evidence from Ethiopia //Journal of Agricultural Economics. – 2023. – Т. 74. – №. 1. – С. 100-115.
17. Lehenchuk, S., Raboshuk, A., Valinkevych, N., Polishchuk, I., & Khodakivsky, V. (2022). Analysis of financial performance determinants: evidence from Slovak agricultural companies. Agricultural and Resource Economics: International Scientific E-Journal, 8(4), 66-85.





18. Natsiopoulou, K., & Tzeremes, N. G. (2022). ARDL: An R package for the analysis of level relationships. *Journal of Open Source Software*, 7(79), 3496.
19. Ghouse, G., Khan, S. A., Rehman, A. U., & Bhatti, M. I. (2021). ARDL as an elixir approach to cure for spurious regression in nonstationary time series. *Mathematics*, 9(22), 2839.
20. B Sultanov, N Abdurazakova, O Shermatov, O Fayziev, A Jumanov, N.Dekhanova. The economic feasibility of cultivating intensive orchards. *E3S Web of Conferences* 284, 03006 (2021) TPACEE-2021 (<https://doi.org/10.1051/e3sconf/202128403006>)
21. Reda, A. M., & Nourhan, E. (2020). Using the ARDL bound testing approach to study the inflation rate in Egypt. *Economic consultant*, 3 (31), 24-41.
22. Pesaran, M. H., Shin, Y., & Smith, R. J. (2001). Bounds testing approaches to the analysis of level relationships. *Journal of applied econometrics*, 16(3), 289-326.
23. Onuonga, M. S. (2014). Financial development and economic growth in Kenya: An empirical analysis 1980–2011. *International Journal of Economics and Finance*, 6(7), 226-241.
24. Nyasha, S., Gwenthure, Y., & Odhiambo, N. M. (2017). Poverty and economic growth in Ethiopia: A multivariate causal linkage. *The Journal of Developing Areas*, 51(1), 343-359.
25. Sriboonchitta, S., Kosheleva, O., & Kreinovich, V. (2020). Beyond Integration: A Symmetry-Based Approach to Reaching Stationarity in Economic Time Series. *Beyond Traditional Probabilistic Data Processing Techniques: Interval, Fuzzy etc. Methods and Their Applications*, 557-564.
26. Hasan A., Nasir Z. M. Macroeconomic factors and equity prices: An empirical investigation by using ARDL approach // *The Pakistan Development Review*. – 2008. – C. 501-513.
27. I Yunusov, U Sangirova, U Ahmedov, O Fayziev, U Kholiyorov. Clustering of agriculture in the Republic of Uzbekistan. April 2023, *E3S Web of Conferences* 381, 02002 (2023) AQUACULTURE 2022.
28. O Fayziyev, D Aminboyeva. Qishloq xo'jaligida bioresurslar asosida mahsulot yetishtirishning iqtisodiy ahamiyati. *Eurasian journal of Law, Finance and Applied Sciences* (May 2023). – Tashkent, 2023. – Volume 3. – Issue 5. – P. 164-167 (UIF = 8.3. SJIF = 5.961) (ISSN 2181-2853)
29. Khan, M. I., Ghauri, S. P., Siddiqui, A. A., & Iqbal, A. (2023). Causality between Economic Development and Unemployment: Using ARDL Model. *International Journal of Social Science & Entrepreneurship*, 3(1), 466-488.
30. Ochilov I.S. Improving the analysis of the mezzanine financing in Uzbekistan clusters. *The American Journal of Management and Economics Innovations*. ISSN: 2693-0811. OCLC – 1176275019. September, 2023. Volume 05. Issue 09. pp.25-29. SJIF 2023=7.442.
31. Ochilov I.S. Methodology for assessing the financial efficiency of agro clusters. *The American Journal of Social Science and Education Innovations*. ISSN: 2689-100X. OCLC – 1121105668. September, 2023. Volume 05. Issue 09. pp.81-85. SJIF 2023=7.223.
32. Ochilov I.S. Methodology for Practical Analysis of Economic Efficiency Indicators of Clusters. *International Journal of Multicultural and Multireligious Understanding*. ISSN: 2364-5369. Volume 10, Issue 10. October, 2023. pp. 302-308. SJIF 2023=7.56.
33. Ochilov I.S. Analysis of foreign experiences of evaluating the efficiency of organizational and economic mechanisms of agroclusters. *Frontline marketing management and economics journal*. ISSN: 2752-700X. Volume 03, Issue 11. November, 2023. pp.28-40. SJIF 2023=6.834.
34. Ochilov I.S. Issues of improving financing of agricultural clusters. *BIO Web of Conferences* 82, 02035 (2024). MSNBAS 2023. eISSN: 2117-4458. Scopus, – 03 January 2024. - pp. 1-7.
35. Ochilov I.S. Issues of financing of agricultural complexes and their economic analysis. *E3S Web of Conferences*, Volume 497, 03047 (2024). ICECAE 2024. Scopus, 07 March 2024. - pp. 1-11.
36. Ochilov I.S. Transformatsiya va raqamli iqtisodiyot sharoitida agroklastlar samaradorligi tahlilini takomillashtirish. Monografiya. - 2022. -T: "O'zkitob savdo nashriyot matbaa ijodiy uyi" nashriyoti.– B172.
37. Ochilov I.S. Agroklastlarning tashkiliy-iqtisodiy va moliyaviy tahlili. *Biznes-Ekspert*. - 2023. – №4. – B 12-15.

Jurnal sayti: <https://yashil-iqtisodiyot-taraqqiyot.uz>

# Yashil

## IQTISODIYOT va TARAQQIYOT

Ijtimoiy, iqtisodiy, siyosiy, ilmiy, ommabop jurnal

**Ingliz tili muharriri:** Feruz Hakimov

**Musahhih:** Xondamir Ismoilov

**Sahifalovchi va dizayner:** Iskandar Islomov

**2024. № 4**

© Materiallar ko'chirib bosilganda "Yashil" iqtisodiyot va taraqqiyot" jurnali manba sifatida ko'rsatilishi shart. Jurnalda bosilgan material va reklamalardagi dalillarning aniqligiga mualliflar ma'sul. Tahririyat fikri har vaqt ham mualliflar fikriga mos kelamasligi mumkin. Tahririyatga yuborilgan materiallar qaytarilmaydi.

Mazkur jurnalda maqolalar chop etish uchun quyidagi havolalarga maqola, reklama, hikoya va boshqa ijodiy materiallar yuborishingiz mumkin.

Materiallar va reklamalar pullik asosda chop etiladi.

El.Pochta: [sq143235@gmail.com](mailto:sq143235@gmail.com)

Bot: [@iqtisodiyot\\_77](https://t.me/@iqtisodiyot_77)

Tel.: 93 718 40 07

Jurnalga istalgan payt quyidagi rekvizitlar orqali obuna bo'lishingiz mumkin. Obuna bo'lgach, [@iqtisodiyot\\_77](https://t.me/@iqtisodiyot_77) telegram sahifamizga to'lov haqidagi ma'lumotni skrinshot yoki foto shaklida jo'natishingizni so'raymiz. Shu asosda har oygi jurnal yangi sonini manzilingizga jo'natamiz.

"Yashil" iqtisodiyot va taraqqiyot" jurnali 03.11.2022-yildan O'zbekiston Respublikasi Prezidenti Adminstratsiyasi huzuridagi Axborot va ommaviy kommunikatsiyalar agentligi tomonidan №566955 reyestr raqami tartibi bo'yicha ro'yxatdan o'tkazilgan.

**Litsenziya raqami:** №046523. PNFL: 30407832680027

**Manzilimiz:** Toshkent shahar, Mirzo Ulug'bek tumani  
Kumushkon ko'chasi, 26-uy.



### Jurnalning ilmiyligi:

"Yashil" iqtisodiyot va taraqqiyot" jurnali

O'zbekiston Respublikasi Oliy ta'lim, fan va innovatsiyalar vazirligi huzuridagi Oliy attestatsiya komissiyasi rayosatining 2023-yil 1-apreldagi 336/3-sonli qarori bilan ro'yxatdan o'tkazilgan.