



# IQTISODIYOT & TARAQQIYOT

*Ijtimoiy, iqtisodiy, texnologik, ilmiy, ommabop jurnal*

**№3**



## 2025-YIL APREL. NAVBATDAN TASHQARI SON



ISSN: 2992-8982

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

**2025**



## IQTISODIYOT&TARAQQIYOT

*Ijtimoiy, iqtisodiy, texnologik, ilmiy, ommabop jurnal*

**Bosh muharrir:**  
Sharipov Kongiratbay Avezimbetovich

*Elektron nashr. 625 sahifa.  
E'lon qilishga 2025-yil 1-aprelda ruxsat etildi.*

**Bosh muharrir o'rinbosari:**  
Karimov Norboy G'aniyevich

**Muharrir:**  
Qurbonov Sherzod Ismatillayevich

### Tahrir hay'ati:

**Salimov Oqil Umrzoqovich**, O'zbekiston Fanlar akademiyasi akademigi  
**Abduraxmanov Kalandar Xodjayevich**, O'zbekiston Fanlar akademiyasi akademigi  
**Sharipov Kongiratbay Avezimbetovich**, texnika fanlari doktori (DSc), professor  
**Rae Kvon Chung**, Janubiy Koreya, TDIU faxriy professori, "Nobel" mukofoti laureati  
**Osman Mesten**, Turkiya parlamenti a'zosi, Turkiya – O'zbekiston do'stlik jamiyati rahbari  
**Axmedov Durbek Kudratillayevich**, iqtisodiyot fanlari doktori (DSc), professor  
**Axmedov Sayfullo Normatovich**, iqtisodiyot fanlari doktori (DSc), professor  
**Abduraxmanova Gulnora Kalandarovna**, iqtisodiyot fanlari doktori (DSc), professor  
**Kalonov Muxiddin Baxritdinovich**, iqtisodiyot fanlari doktori (DSc), professor  
**Siddiqova Sadoqat G'afforovna**, pedagogika fanlari bo'yicha falsafa doktori (PhD)  
**Xudoyqulov Sadirdin Karimovich**, iqtisodiyot fanlari doktori (DSc), professor  
**Maxmudov Nosir**, iqtisodiyot fanlari doktori (DSc), professor  
**Yuldashev Mutallib Ibragimovich**, iqtisodiyot fanlari doktori (DSc), professor  
**Samadov Asqarjon Nishonovich**, iqtisodiyot fanlari nomzodi, professor  
**Slizovskiy Dimitriy Yegorovich**, texnika fanlari doktori (DSc), professor  
**Mustafakulov Sherzod Igamberdiyevich**, iqtisodiyot fanlari doktori (DSc), professor  
**Axmedov Ikrom Akramovich**, iqtisodiyot fanlari doktori (DSc), professor  
**Eshtayev Alisher Abdug'aniyevich**, iqtisodiyot fanlari doktori (DSc), professor  
**Xajiyev Baxtiyor Dushaboyevich**, iqtisodiyot fanlari doktori (DSc), professor  
**Hakimov Nazar Hakimovich**, falsafa fanlari doktori (DSc), professor  
**Musayeva Shoira Azimovna**, iqtisodiyot fanlari bo'yicha falsafa doktori (PhD), professor  
**Ali Konak (Ali Ko'nak)**, iqtisodiyot fanlari doktori (DSc), professor (Turkiya)  
**Cham Tat Huei**, falsafa fanlari doktori (PhD), professor (Malayziya)  
**Foziljonov Ibrohimjon Sotvoldixo'ja o'g'li**, iqtisodiyot fanlari bo'yicha falsafa doktori (PhD), dots.  
**Utayev Uktam Choriyevich**, O'z.Respub. Bosh prokuraturasi boshqarma boshlig'i o'rinbosari  
**Ochilov Farkhod**, O'zbekiston Respublikasi Bosh prokuraturasi IJQKD boshlig'i  
**Buzrukxonov Sarvarxon Munavvarxonovich**, iqtisodiyot fanlari nomzodi, dotsent  
**Axmedov Javohir Jamolovich**, iqtisodiyot fanlari bo'yicha falsafa doktori (PhD)  
**Toxirov Jaloliddin Ochil o'g'li**, texnika fanlari bo'yicha falsafa doktori (PhD), katta o'qituvchi  
**Bobobekov Ergash Abdumalikovich**, iqtisodiyot fanlari bo'yicha falsafa doktori (PhD), v.b. dots.  
**Djudi Smetana**, pedagogika fanlari nomzodi, dotsent (AQSH)  
**Krissi Lyuis**, pedagogika fanlari nomzodi, dotsent (AQSH)  
**Glazova Marina Viktorovna**, iqtisodiyot fanlari nomzodi (Moskva)  
**Nosirova Nargiza Jamoliddin qizi**, iqtisodiyot fanlari bo'yicha falsafa doktori (PhD), dotsent  
**Sevil Piriyeva Karaman**, falsafa fanlari doktori (PhD) (Turkiya)  
**Mirzaliyev Sanjar Makhamatjon o'g'li**, TDIU ITI departamenti rahbari  
**Ochilov Bobur Baxtiyor o'g'li**, TDIU katta o'qituvchisi



## IQTISODIYOT & TARAQQIYOT

*Ijtimoiy, iqtisodiy, texnologik, ilmiy, ommabop jurnal*

### Editorial board:

- Salimov Okil Umrzokovich**, Academician of the Academy of Sciences of Uzbekistan  
**Abdurakhmanov Kalandar Khodjavevich**, Academician of the Academy of Sciences of Uzbekistan  
**Sharipov Kongiratbay Avezimbetovich**, Doctor of Technical Sciences (DSc), Professor  
**Rae Kwon Chung**, South Korea, Honorary Professor at TSUE, Nobel Prize Laureate  
**Osman Mesten**, Member of the Turkish Parliament, Head of the Turkey–Uzbekistan Friendship Society  
**Akhmedov Durbek Kudratillayevich**, Doctor of Economic Sciences (DSc), Professor  
**Akhmedov Sayfullo Normatovich**, Doctor of Economic Sciences (DSc), Professor  
**Abdurakhmanova Gulnora Kalandarovna**, Doctor of Economic Sciences (DSc), Professor  
**Kalonov Mukhiddin Bakhridinovich**, Doctor of Economic Sciences (DSc), Professor  
**Siddikova Sadokat Gafforovna**, Doctor of Philosophy (PhD) in Pedagogical Sciences  
**Khudoykulov Sadirdin Karimovich**, Doctor of Economic Sciences (DSc), Professor  
**Makhmudov Nosir**, Doctor of Economic Sciences (DSc), Professor  
**Yuldashev Mutallib Ibragimovich**, Doctor of Economic Sciences (DSc), Professor  
**Samadov Askarjon Nishonovich**, Candidate of Economic Sciences, Professor  
**Slizovskiy Dmitriy Yegorovich**, Doctor of Technical Sciences (DSc), Professor  
**Mustafakulov Sherzod Igamberdiyevich**, Doctor of Economic Sciences (DSc), Professor  
**Akhmedov Ikrom Akramovich**, Doctor of Economic Sciences (DSc), Professor  
**Eshtayev Alisher Abduganiyevich**, Doctor of Economic Sciences (DSc), Professor  
**Khajiyev Bakhtiyor Dushaboyevich**, Doctor of Economic Sciences (DSc), Professor  
**Khakimov Nazar Khakimovich**, Doctor of Philosophy (DSc), Professor  
**Musayeva Shoira Azimovna**, Doctor of Philosophy (PhD) in Economic Sciences, Professor  
**Ali Konak**, Doctor of Economic Sciences (DSc), Professor (Turkey)  
**Cham Tat Huei**, Doctor of Philosophy (PhD), Professor (Malaysia)  
**Foziljonov Ibrokhimjon Sotvoldikhoja ugli**, Doctor of Philosophy (PhD) in Economic Sciences, Associate Professor  
**Utayev Uktam Choriyevich**, Deputy Head of Department, Prosecutor General's Office of Uzbekistan  
**Ochilov Farkhod**, Head of DCEC, Prosecutor General's Office of Uzbekistan  
**Buzrukkhonov Sarvarkhon Munavvarkhonovich**, Candidate of Economic Sciences, Associate Professor  
**Akhmedov Javokhir Jamolovich**, Doctor of Philosophy (PhD) in Economic Sciences  
**Tokhirov Jaloliddin Ochil ugli**, Doctor of Philosophy (PhD) in Technical Sciences, Senior Lecturer  
**Bobobekov Ergash Abdumalikovich**, Doctor of Philosophy (PhD) in Economic Sciences, Acting Associate Professor  
**Judi Smetana**, Candidate of Pedagogical Sciences, Associate Professor (USA)  
**Chrissy Lewis**, Candidate of Pedagogical Sciences, Associate Professor (USA)  
**Glazova Marina Viktorovna**, Candidate of Economic Sciences (Moscow)  
**Nosirova Nargiza Jamoliddin kizi**, Doctor of Philosophy (PhD) in Economic Sciences, Associate Professor  
**Sevil Piriyeva Karaman**, Doctor of Philosophy (PhD) (Turkey)  
**Mirzaliyev Sanjar Makhamatjon ugli**, Head of the Department of Scientific Research and Innovations, TSUE  
**Ochilov Bobur Bakhtiyor ugli**, Senior lecturer at TSUI

## Ekspertlar kengashi:

**Berkinov Bazarbay**, iqtisodiyot fanlari doktori (DSc), professor  
**Po'latov Baxtiyor Alimovich**, texnika fanlari doktori (DSc), professor  
**Aliyev Bekdavlal Aliyevich**, falsafa fanlari doktori (DSc), professor  
**Isakov Janabay Yakubbayevich**, iqtisodiyot fanlari doktori (DSc), professor  
**Xalikov Suyun Ravshanovich**, iqtisodiyot fanlari nomzodi, dotsent  
**Rustamov Ilhomiddin**, iqtisodiyot fanlari nomzodi, dotsent  
**Hakimov Ziyodulla Ahmadovich**, iqtisodiyot fanlari doktori, dotsent  
**Kamilova Iroda Xusniddinovna**, iqtisodiyot fanlari bo'yicha falsafa doktori (PhD)  
**G'afurov Doniyor Orifovich**, pedagogika fanlari bo'yicha falsafa doktori (PhD)  
**Fayziyev Oybek Raximovich**, iqtisodiyot fanlari bo'yicha falsafa doktori (PhD), dotsent  
**Tuxtabayev Jamshid Sharafetdinovich**, iqtisodiyot fanlari bo'yicha falsafa doktori (PhD), dotsent  
**Xamidova Faridaxon Abdulkarim qizi**, iqtisodiyot fanlari doktori, dotsent  
**Yaxshiboyeva Laylo Abdisattorovna**, katta o'qituvchi  
**Babayeva Zuhra Yuldashevna**, mustaqil tadqiqotchi

## Board of Experts:

**Berkinov Bazarbay**, Doctor of Economic Sciences (DSc), Professor  
**Pulatov Bakhtiyor Alimovich**, Doctor of Technical Sciences (DSc), Professor  
**Aliyev Bekdavlal Aliyevich**, Doctor of Philosophy (DSc), Professor  
**Isakov Janabay Yakubbayevich**, Doctor of Economic Sciences (DSc), Professor  
**Khalikov Suyun Ravshanovich**, Candidate of Economic Sciences, Associate Professor  
**Rustamov Ilkhomiddin**, Candidate of Economic Sciences, Associate Professor  
**Khakimov Ziyodulla Akhmadovich**, Doctor of Economic Sciences, Associate Professor  
**Kamilova Iroda Khusniddinovna**, Doctor of Philosophy (PhD) in Economics  
**Gafurov Doniyor Orifovich**, Doctor of Philosophy (PhD) in Pedagogy  
**Fayziyev Oybek Rakhimovich**, Doctor of Philosophy (PhD) in Economics, Associate Professor  
**Tukhtabayev Jamshid Sharafetdinovich**, Doctor of Philosophy (PhD) in Economics, Associate Professor  
**Khamidova Faridakhon Abdulkarimovna**, Doctor of Economic Sciences, Associate Professor  
**Yakhshiboyeva Laylo Abdisattorovna**, Senior Lecturer  
**Babayeva Zuhra Yuldashevna**, Independent Researcher

- 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

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

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

## Jurnalning ilmiyligi:

“Yashil” iqtisodiyot va taraqqiyot” jurnali

O'zbekiston Respublikasi Oliy ta'lim, fan va innovatsiyalar vazirligi huzuridagi Oliy attestatsiya komissiyasi rayosatining 2023-yil 28-fevraldagi 333/5-sonli qarori bilan ro'yxatdan o'tkazilgan.



# MUNDARIJA

ПРИНЦИПЫ ПЕРЕХОДА УЗБЕКИСТАНА К ЗЕЛЁНОЙ ЭКОНОМИКЕ, СУЩЕСТВУЮЩИЕ ПРОБЛЕМЫ И ПЕРСПЕКТИВНЫЕ ВОЗМОЖНОСТИ .....	12
Набиев Дилмурод Хамидуллаевич	
YaShIL TEXNOLOGIYALAR VA RAQAMLASH TIRISH TA'SIRIDA MEHNAT BOZORINING TRANSFORMASIYASI .....	19
Abduraxmanov Kalandar Xo'jaevich	
РОЛЬ ТВОРЧЕСКОГО ТРУДА В ПОВЫШЕНИИ ЕГО ЭФФЕКТИВНОСТИ .....	26
Гулямов Саидахор Саидахмедович, Икрамов Мурат Акромович, Очилов Акрам Одилович	
BARQAROR RIVOJLANISHNI TA'MINLASH MAQSADIDA "YASHIL IQTISODIYOT"GA O'TISH ZARURATI .....	33
O.X. Hamidov, D.Sh. Yavmutov	
ESG-ИНСТРУМЕНТАРИЙ КАК ФАКТОР УСИЛЕНИЯ КОНКУРЕНТОСПОСОБНОСТИ РЕГИОНАЛЬНОЙ ЭКОНОМИКИ .....	38
Татьяна Юрьевна Анопченко, Сергей Вадимович Ревунов, Роман Вадимович Ревунов	
TRANSITION OF RUSSIAN REGIONS TO A CLOSED-LOOP ECONOMY .....	49
Nikonov Sergey Mikhailovich, Ochilov Akram Odilovich, Filipenko Alexander Alexandrovich	
"YASHIL" IQTISODIYOTNING MOHIYATI VA TUZILISHI .....	53
Navruz-Zoda Baxtiyor Negmatovich	
ЗЕЛЕНАЯ ЭКОНОМИКА КАК ДРАЙВЕР УСТОЙЧИВОГО РАЗВИТИЯ РЫНКА ТРУДА И МОДЕРНИЗАЦИИ РАБОЧИХ МЕСТ В УЗБЕКИСТАНЕ .....	59
Зокирова Нодира Каландаровна	
KREATIV IQTISODIYOT VA UNING INDUSTRIYA TURLARINING NAZARIY MASALALARI .....	64
Mamayunus Pardaev, Obid Pardaev, Akram Ochilov	
EKOLOGIK OMILLARNI HISOBGA OLGAN HOLDA BARQAROR IQTISODIY O'SISHDA ERISHISH .....	73
Saidov Muhammadali Hakimovich, Ochilov Akram Odilovich, Esanbekov Diyorbek Mirzabek o'g'li	
INNOVATION TEXNOLOGIYALAR ASOSIDA MEVA-SABZAVOTCHILIK MAHSULOTLARI KOOPERASIYASINING SAMARADORLIGINI OSHIRISH YO'LLARI .....	81
Raxmatulla Ergashev	
KARTOSHKA MOSLANUVCHAN NAVLARI TURLI EKISH MUDDATLARI VA MULCHALASHLARDA HOSILDORLIGI HAMDA IQTISODIY SAMARADORLIK KO'RSATKICHLARI .....	86
Ostonaqulov Toshtemir Eshimovich, Toshpulatova Surayyo Tulqin qizi, Ismayilov Alisher Isroilovich	
YASHIL IQTISODIYOT – INNOVATSION RIVOJLANISHNING KALITI .....	90
Mirzayev Kulmamat Djanakovich, Usmonov Murodjon Dusmurot o'g'li	
ПЕРСПЕКТИВЫ РАЗВИТИЯ «ЗЕЛЁНОЙ ЭКОНОМИКИ» В РЕСПУБЛИКЕ УЗБЕКИСТАН .....	93
Сайёра Насимовна Хамраева	
SABZAVOT (SHIRIN) MAKKAJO'XORI AJRATILGAN MOSLANUVCHAN NAV-DURAGAYLARINI ASOSIY VA TAKRORIY EKINLAR SIFATIDA TURLI MUDDATLARDI YETISHTIRISHNING IQTISODIY SAMARADORLIGI .....	97
Ostonaqulov Toshtemir Eshimovich, Nurillaev Ilhom Xolbek o'g'li, Jabborov Botir Shukurovich	
ZAMONAVIY BOZOR MUNOSABATLARIDA SAVDONI RIVOJLANTIRISHNING NAZARIY VA USLUBIY JIHATLARI .....	101
Ivatov Irisbek	
O'ZBEKISTONDA YASHIL IQTISODIYOTNI RIVOJLANTIRISH ISTIQBOLLARI .....	105
Yadgarov Akram Akbarovich, Abdiyeva Flora Botir qizi	
GREEN ECONOMY: GLOBAL PERSPECTIVE AND UZBEKISTAN'S PATH .....	110
Dilmurod Mirza-Akhmedovich Rasulev, Dildorakhon Ulugbek kizi Shomuradova	



ОЛИЙ ТА'ЛИМ ХИЗМАТЛАРИНИ RAQAMLI TEXNOLOGIYALAR ASOSIDA TARG'IB QILISH BO'YICHA XORIJ TAJRIBASI .....	113
Musayev Bekjon Shukurillayevich	
TURIZM INDUSTRIYASINI BARQAROR STRATEGIK RIVOJLANTIRISHDA QO'LLANILADIGAN USULLAR TAHLILI .....	116
Turdibekov Xasan Ibragimovich	
ЗЕЛЁНОЕ ФИНАНСИРОВАНИЕ И ФАКТОРЫ ЕГО РАЗВИТИЯ В УЗБЕКИСТАНЕ .....	120
Орипов Ильхом Абдуллаевич	
Перспективы развития цифровой трансформации в Республике Узбекистан .....	128
Мусабеков Джорабек Хакимджанович, Воронин Сергей Александрович	
YASHIL IQTISODIYOT – BARQAROR RIVOJLANISHNING MUHIM OMILI SIFATIDA.....	133
G.Erkayeva	
Barqaror ish o'rinlarini yaratishda yashil iqtisodiyotning o'рни .....	138
Qo'chqorov G'aybulla Fayzullayevich, Qo'ziyeva Shaxnoza Bozor qizi	
ПРОБЛЕМЫ РАЗВИТИЯ ИНФОРМАЦИОННЫХ ТЕХНОЛОГИЙ В УЗБЕКИСТАНЕ .....	141
Фазлитдин Бахадирович Аминов	
RESPUBLIKADA EKOLOGIK TOZA MAHSULOT YETISHTIRISH ASOSIDA ELEKTRON SAVDONI RIVOJLANTIRISH .....	145
Q. J. Mirzayev, F. F. Ulug'murodov	
Qoraqalpog'istonda sanoatni restruktizatsiyalash va yashil iqtisodiyotni rivojlantirish: muammolar, istiqbollar va statistik tahlillar .....	150
Abipova Gulmira Salavatdinovna	
CHORVACHILIK XO'JALIKLARINI RIVOJLANTIRISHDA AGLOMERATSIYANING AHAMIYATI.....	153
Xusainov Oybek Jabborovich	
RAQAMLI TRANSFORMATSIYA STRATEGIYASINING KOMPANIYA UCHUN AHAMIYATI.....	156
Ergashev Toxir Kurbanovich, Toxirova Nigora Zokirjon qizi	
CHORVACHILIK KLASSTERLARI VA AGLOMERATSION RIVOJLANISH: O'ZARO TA'SIR VA SYNERGIYALAR .....	161
Xusainov Oybek Jabborovich	
HUDUDLARNING INNOVATSIYON SALOHİYATINI BAHOLASH .....	165
J.A. Ismatullayev, A. Do'lanov	
СОСТОЯНИЕ И ПЕРСПЕКТИВЫ РАЗВИТИЯ ИННОВАЦИОННОГО ПОТЕНЦИАЛА РЕСПУБЛИКИ УЗБЕКИСТАН .....	171
Нафасов Тохиржон, Г. П. Эркаева	
Mamlakatimizda ishsizlikni kamaytirishga qaratilgan islohotlar.....	174
Djurayev Olimjon Narkulovich	
USE OF THE ADVANCED EXPERIENCE OF FOREIGN COUNTRIES OF FARMING AND HOUSEHOLDS .....	178
Ochilova Nargiza Akramovna	
SHAHAR AGLOMERATSIYALARINING RAQOBATBARDOSHLIGINI OSHIRISH OMILLARI.....	181
Xidoyatova Nigora Shorakibovna	
IQTISODIY O'SISHDA MEHNAT MIGRATSIYASINING AHAMIYATI.....	184
Djurayev Olimjon Narkulovich, Saidakbarov Jamshid Ne'matullo o'g'li	
TURIZMNIDA RIVOJLANTIRISHDA TRANSPORT XIZMATLARINI TAKOMILLASHTIRISH .....	189
Qosimov Jahongir	
РЫНОК ГОСТИНИЧНЫХ УСЛУГ В ТУРИЗМЕ В УСЛОВИЯХ ДИВЕРСИФИКАЦИИ И ДЕМОКРАТИЗАЦИИ ГОСТИНИЧНОЙ ИНДУСТРИИ .....	192
Ташмаматов Садирдин Нажмиддинович	



O'ZBEKISTONDA TURIZM SOHASIDA FAOLIYAT YURITAYOTGAN KADRLAR MALAKASINI OSHIRISHDA DUAL TA'LIMDAN FOYDALANISHNI BOSHQARISH .....	196
Ochilov Akram Odilovich, Xamidova Mo'tabarxon Abdumalik qizi	
MAKTABGACHA TA'LIM TASHKILOTLARIDA AUTSORSING XIZMATLARIDAN FOYDALANISH MEKANIZMINI TAKOMILLASHTIRISH .....	201
Nasiba Ergasheva	
KORXONALARDA XODIMLARNI BOSHQARISHNING ASOSIY TAMOYILLARI .....	207
Djurayev Olimjon Narkulovich, Nurullayeva Vazira O'ktamovna	
ЗЕЛЁНЫЕ ИНВЕСТИЦИИ: ПЕРСПЕКТИВЫ И РИСКИ .....	211
Номазов Бахром Бобомуродович	
ИНТЕГРАЦИЯ ПРИНЦИПОВ ESG В ФИНАНСОВУЮ СФЕРУ РЕСПУБЛИКИ УЗБЕКИСТАН .....	215
Алимова Азиза Шерзатовна	
THE IMPACT OF ARTIFICIAL INTELLIGENCE AND DIGITAL TECHNOLOGIES ON MANAGEMENT .....	219
Ergashev Tokhir Kurbanovich, Tohirova Nigora Zokirjon kizi	
O'ZBEKISTONNING "YASHIL IQTISODIYOT STRATEGIYASI" NI AMALGA OSHIRISHNING ZARURIYATI VA ISTIQBOLLARI .....	224
Ergasheva Nazira Muratovna, Soyibov Mirjon Bekjonovich	
ТЕОРЕТИЧЕСКИЕ ОСНОВЫ УСЛУГ СОЦИАЛЬНОЙ ИНФРАСТРУКТУРЫ, ВЛИЯЮЩИХ НА ПОВЫШЕНИЕ УРОВНЯ И КАЧЕСТВА ЖИЗНИ НАСЕЛЕНИЯ .....	227
Алимова Муниса Юлчиевна	
РАЦИОНАЛЬНОЕ ИСПОЛЬЗОВАНИЕ ОБУВНОЙ ПРОМЫШЛЕННОСТИ КАК ФАКТОР ПОВЫШЕНИЯ ЕЁ ЭКОНОМИЧЕСКОЙ ЗНАЧИМОСТИ.....	232
Расулов Нозимжон Набиджонович	
AGLOMERATSIYA VA IQTISODIY O'SISH: SABAB-OQIBAT ALOQASI (QASHQADARYO VILOYATI MISOLIDA) .....	236
Xidoyatova Nigora Shorakibovna	
KORXONALARNING SOLIQ IDORALARIDA HISOBGA OLINISHIDAN HOSIL BO'LGAN ORTIQCHA TO'LOVLARINI BOJXONA TO'LOVLARIDA HISOBGA OLISH MEKANIZMINI TAKOMILLASHTIRISH .....	239
Boykabilov Bahodir Mustafaevich	
UZOQ MUDDATLI AKTIVLARGA INVESTITSİYALAR HISOBINI TAKOMILLASHTIRISHNING AHAMIYATI .....	242
Egamberdiyeva Salima Rayimovna, Bozorov Yashnarbek Xayrulla o'g'li	
ORGANIK QISHLOQ XO'JALIGIDA "IXTISOSLASHTIRILGAN AGROKOOPERATIV" TASHKIL ETISH ORQALI TA'MINOT ZANJIRI BOSHQARUVINI TAKOMILLASHTIRISH.....	248
Amirqulov Shuxrat Olimovich	
MAMLAKATIMIZDA OLIY TA'LIM MUASSASALARINING MOLIYAVIY RESURSLARDAN SAMARALI FOYDALANISHI UCHUN ZAMONAVIY HUQUQIY ASOSLARI.....	254
Xayriddinov Shuxrat Botirovich	
TURIZMNING MADANIY-TARIXIY RESURSLARI: ASOSIY TUSHUNCHALAR VA TAMOYILLAR .....	258
Ruzmanov Dilshod Usmanovich	
BARQAROR TURIZM DESTINATSIYALARINING SIG'IMINI VAHOLASH METODIKASI.....	262
Ibroximov Nodirbek Xasanovich	
ВОЗОБНОВЛЯЕМЫЕ ИСТОЧНИКИ ЭНЕРГИИ КАК ОСНОВА ЗЕЛЕННОЙ ЭКОНОМИКИ В УЗБЕКИСТАНЕ .....	266
Хусаинов Равшан Рахимович	
ЭКОЛОГИЧЕСКИЙ МАРКЕТИНГ И ПОВЕДЕНИЕ ПОТРЕБИТЕЛЕЙ.....	272
Раимова Муборак Джураевна	
"YASHIL IQTISODIYOT" NING ASOSIY XUSUSIYATLARI .....	276
Djumayev Asqar Xaydarovich	



RAQAMLI MARKETINGNING ISTE'MOLCHI XULQ-ATVORIGA TA'SIRI.....	281
Raimova Muborak Jurayevna, Dilmurodov O'tkir	
HUDUDNING IJTIMOIIY-IQTISODIY SALOHİYATINI RIVOJLANTIRISH OMILLARI .....	287
SH.A. Buriyev	
SAVDO XIZMATLARINING ASOSIY FAOLIYAT KO'RSATKICHLARI TIZIMINI BAHOLASH.....	291
Muxamedova Aziza Ravshanovna	
YASHIL IQTISODIYOT VA GLOBAL IQLIM O'ZGARISHI: YASHIL IQTISODIYOTNING IQLIM O'ZGARISHINI YENGISHDAGI O'RNI VA GLOBAL HAMKORLIK.....	295
Usmonov Murodjon Xolmurod o'g'li, Ulug'bek Eshmaxmatov	
КОНЦЕПТУАЛЬНЫЕ ОСНОВЫ ФОРМИРОВАНИЯ МЕХАНИЗМА НАЛОГОВОГО АДМИНИСТРИРОВАНИЯ НА ПРИМЕРЕ УЗБЕКИСТАНА.....	299
Абдулов Дамир Рустамович	
О'ZBEKISTON RESPUBLIKASIDA YASHIL IQTISODIYOTGA O'TISH ISTIQBOLLARI .....	305
Yuldashev Shamsiddin Qiyamiddinovich, Boliyeva Baxora Farxodovna	
ЗЕЛЕНАЯ ЭКОНОМИКА: КОНЦЕПЦИИ, ТЕНДЕНЦИИ И ПЕРСПЕКТИВЫ РАЗВИТИЯ.....	308
Туляганова Шахноза Самукджановна	
О'ТА ERTAGI TARVUZNING HIMOYALANGAN JOYLAR UCHUN MOSLANUVCHAN NAV VA DURAGAYLARINI AJRATISH, ULARNI TURLI O'G'IT ME'YORLARIDA HOSILDORLIGI VA IQTISODIY SAMARADORLIGI.....	311
Ostonaqulov Toshtemir Eshimovich, Amirov Xamidulla Suyunovich, Umirova Durdona Muqum qizi	
ТЕНДЕНЦИИ И ПЕРСПЕКТИВЫ РАЗВИТИЯ ПЛОДООВОЩНОЙ ОТРАСЛИ В УЗБЕКИСТАНЕ .....	315
Уралов Элшод, Вельм М.В.	
DEVELOPMENT STRATEGY AS A MODEL OF PROGRESS IN HUMAN RESOURCE DEVELOPMENT IN UZBEKISTAN.....	320
Abdiev Alimardon	
ОСОБЕННОСТИ ПОВЫШЕНИЯ ЭФФЕКТИВНОСТИ СЕКТОРА ГОСУДАРСТВЕННОЙ СЛУЖБЫ И РАЗВИТИЯ КАДРОВОГО ПОТЕНЦИАЛА.....	322
Мухаммадбобур Салимов	
КИЧИК BIZNES VA XUSUSIY TADBIRKORLIK FAOLIYATI RIVOJLANISHIGA TA'SIR ETUVCHI OMILLAR.....	326
Suyunov Jabbor Mahmudovich	
“SALOHİYAT” TUSHUNCHASINING MAZMUNI VA IQTISODIY-IJTIMOIIY MOHIYATI.....	331
Zoirov G'olibjon Toshtemir o'g'li	
DAVLAT BOSHQARUVIDA SUN'IY INTELLEKTDAN FOYDALANISHNING AHAMIYATI .....	334
Salimov Muhammadbobur Qodir o'g'li	
O'QUV JARAYONLARINI TASHKIL ETISH VA BOSHQARISH SAMARADORLIGINI OSHIRISH.....	337
Tilakov Sherzod	
TIJORAT BANKLARIDA KORPORATIV BOSHQARUVNING XALQARO TAMOYILLARI ASOSIDA BOSHQARUV SIFATINI OSHIRISHDA YASHIL IQTISODIYOTNING AHAMIYATI.....	340
Sattarov Umirzoq, Ro'ziev Zafar Ikromovich	
YASHIL IQTISODIYOT SHAROITIDA O'ZBEKISTONDA SANOAT XOM ASHYOLARIDAN SAMARALI FOYDALANISH TENDENSIYALARI.....	343
Xazratov Sarvar Ibragimovich	
YURTIMIZDA RAQAMLI IQTISODIYOT SHAROITIDA KADRLAR TAYYORLASHNING ZAMONAVIY TENDENSIYALARI .....	348
G'aniyev Shaxzod Shuhrat o'g'li, O'rinov Diyorbek Xolmo'min o'g'li	
QASHQADARYO VILOYATI O'QUV MARKAZLARI VA KURSLARINI BOSHQARISH SAMARADORLIGINI OSHIRISH .....	353
Tilakov Sherzod Akbarovich	



SANOAT KORXONALARIDA MAHSULOT ISHLAB CHIQRARISH VA SOTISH SIFATI HAMDA SAMARADORLIGINI OSHIRISHDA XODIMLARNI BOSHQARISH YO'NALISHLARI.....	357
Ochilov Akram Odilovich, Ziyodullayeva Marjona Alisher qizi	
OMMAVIY TADBIRLAR YORDAMIDA TURIZMNI RIVOJLANTIRISH: O'ZBEKISTON VA XALQARO TAJRIBA.....	360
Ibragimov Sardorbek Xusanovich	
Анализ цифровой трансформации и её влияния на привлечение инвестиций в регионы Узбекистана.....	365
Рахмонова Дурдона Хасан кизи	
Korxonada moliyaviy salohiyatini baholashning statistik tahlili.....	370
M.O. Musurmonova	
DIRECTIONS FOR IMPROVING THE FINANCIAL MANAGEMENT SYSTEM OF THE BANKING SYSTEM OF THE REPUBLIC OF UZBEKISTAN.....	377
Kadirov Lutfulla Khalimovich	
PROBLEMS OF EMPLOYMENT IN THE LABOR MARKET OF UZBEKISTAN AND STRATEGIC DIRECTIONS FOR THEIR SOLUTION.....	381
Sharopov Temirmalik Rustam o'g'li	
“YASHIL” IQTISODIYOT TAMOYILLARI ORQALI QASHQADARYO VILOYATI SANOAT KOMPLEKSINI TAKOMILLASHTIRISH .....	385
U.Shukurov	
FOREIGN EXPERIENCES IN ATTRACTING INVESTMENTS IN SERVICE INDUSTRIES .....	390
Hazratkulov Shahboz Boboqul ogli	
YASHIL IQTISODIYOTDA TA'LIMNING ROLI.....	394
Babayeva Lola Ibragimovna	
O'ZBEKISTONDA YASHIL IQTISODIYOTNING RIVOJLANISHI UCHUN DAVLAT TOMONIDAN YARATILAYOTGAN IMKONIYATLAR.....	398
Xudoyorov Azizbek Avaz o'g'li	
OLIY TA'LIM MUASSASALARIDA TA'LIM SIFATINI YAXSHILASHNING XORIJ TAJRIBASI.....	404
Safarov Sh. S.	
IJTIMOYIY MENEJMENTDA RAQAMLI TRANSFORMATSIYA: XALQARO TAJRIBA VA ULARNI O'ZBEKISTON SHAROITIDA JORIY ETISH ISTIQBOLLARI.....	408
G'aniyev Shaxzod Shuhrat o'g'li, Davronova Farangiz	
«ГОСУДАРСТВЕННЫЙ ФИНАНСОВЫЙ КОНТРОЛЬ: КАЗНАЧЕЙСКИЙ КОНТРОЛЬ В БЮДЖЕТНОМ ПРОЦЕССЕ И ПЕРСПЕКТИВЫ ЕГО РАЗВИТИЯ».....	415
Файзуллаева Зилола Равшановна, Д.Х. Пулатов	
YANGI O'ZBEKISTONDA YASHIL RAQAMLI IQTISODIYOTGA O'TISHNING ASOSIY JIHATLARI.....	421
Urozoza Shaxlo Hasan qizi, Hazratqulov Shahboz Boboqul o'g'li	
OLIY TA'LIM SIFATINI OSHIRISH MASALALARI: XALQARO TAJRIBA VA ULARNI O'ZBEKISTON SHAROITIDA JORIY ETISH ISTIQBOLLARI .....	427
Safarov Shoxrux Sattor o'g'li	
PROSPECTS FOR IMPROVING THE EFFICIENCY OF HUMAN RESOURCES IN UZBEKISTAN.....	431
Alimardonova Gulfizoda Alimardon kizi	
QISHLOQ XO'JALIGIDA KAPITAL QO'YILMALAR HISOBINI TO'G'RI TASHKIL ETISHNING AHAMIYATI.....	434
Egamberdiyeva Salima Rayimovna	
QASHQADARYO VILOYATIDA KICHIK BIZNESNING IQTISODIY RIVOJLANISHDAGI O'RNI VA ISTIQBOLLARI.....	441
Berdimurodova Farzona Bahodir qizi, Sh. Xolliyev	
SUN'IY INTELLEKT TEXNOLOGIYALARINING BIZNES VA IQTISODIYOTDAGI ISTIQBOLLI YO'NALISHLARI .....	446
Davronova Farangiz Ilhom qizi	



ZAMONAVIY RAQAMLI TEXNOLOGIYALAR YORDAMIDA PUL VA BANK TIZIMLARINI TASHKIL ETISHNING ISTIQBOLLARI HAMDA AHAMIYATI .....	452
Axtamova Ozoda Ulug'bek qizi, Cho'liyeva Gulsanam Yulchi qizi, G'aniyev Shaxzod Shuhrat o'g'li	
O'ZBEKISTON IQTISODIYOTI: TARKIBIY O'ZGARISHLARNING ZAMONAVIY YO'NALISHLARI .....	460
N. Qo'ziboyeva	
O'ZBEKISTON IQTISODIYOTINI TARKIBIY O'ZGARISHLAR ORQALI RIVOJLANTIRISHNING ZARURATI.....	466
Vayskulov Ramazon Alisher o'g'li	
QASHQADARYO VILOYATIDA TURIZM KLASTERLARINI RIVOJLANTIRISH VA IQTISODIY INTEGRATSIYA.....	470
Xushvaqto'v Ramziddin	
ILMIY SALOHİYAT VA OLIY TA'LIM SIFATINING UZVIY BOG'LIQLIGI: TAHLIL VA TAVSIYALAR .....	476
Muratov A'zam Alisher o'g'li, Ochilov Akram Odilovich	
YASHIL IQTISODIYOTNING RIVOJLANISH TENDENSIYALARI: GREEN CREDIT.....	480
Eshtemirova Ma'rifat Akram qizi, Kabilova Shaxnoza Jurayevna	
DEHQON XO'JALIGI MAHSULOTLARI NARXLARINING DINAMIKASI VA BOZOR MUVOZANATI MODELLARINI QO'RISH. ....	483
Ergashov Yashnarbek Istamovich	
The Role of Renewable Energy in the Green Economy.....	488
Khudoyberdiyeva Olima, Yakhshikulova Mokhinur	
O'zbekistonda yashil iqtisodiyotga o'tish: asosiy muammolar va imkoniyatlar .....	494
Jumanazarov Asilbek Utkirbek o'g'li, Ulug'bek Eshmaxmatov	
SANOAT KORXONALARINING RAQOBAT USTUNLIGI ORQALI BARQAROR RIVOJLANISHINI TA'MINLASH OMILLARI .....	498
Ro'ziqulov Jamshid Ulug'bek o'g'li	
O'ZBEKISTONDA INSON RESURSLARINI BOSHQARISH SIYOSATINING ZAMONAVIY TRENDLARI HAMDA RAQAMLI TRANSFORMATSIYASI.....	504
Shodiyev Jahongir 504	
YASHIL IQTISODIYOT: O'ZBEKISTONNING BARQAROR RIVOJLANISH ISTIQBOLLARI .....	509
Babayeva Lola Ibragimovna, Sh. S. Sa'dullayev	
QISHLOQ XO'JALIGI SOHASIDA MAHSULOTLAR INTENSIV RIVOJLANISHINI TA'MINLASH JARAYONLARI .....	512
Saburov Jumanazar Salievich	
SUG'URTA XIZMATLARI SAMARADORLIGINI OSHIRISH YO'LLARI VA MEXANIZMLARI.....	516
E.Sobirov	
“YASHIL IQTISODIYOT”GA O'TISH ORQALI TABIIY RESURLARDAN SAMARALI FOYDALANISH VA IQTISODIY FAOLIYATNING ATROF-MUHITGA SALBIY TA'SIRINI KAMAYTIRISH .....	520
Xo'janova Gulshoda Otamurodovna	
QISHLOQ JOYLARDA XIZMAT KO'RSATISH SOHASINI RIVOJLANTIRISHNING KONSEPTUAL YO'NALISHLARI .....	526
Dilafuz Taylakova	
KORXONALARDA EKOLOGIK INVESTITSION LOYIHALARNING SAMARADORLIGINI BAHOLASH USULLARI TAHLILI.....	532
Ulashov Aliboy Rashid o'g'li	
YURTIMIZDA RAQAMLI IQTISODIYOT SHAROITIDA BANK VA MOLIYAVIY TIZIMLAR UCHUN YANGI IMKONIYATLAR TAHLILI HAMDA KELGUSIDAGI ISTIQBOLLARI .....	538
G'aniyev Shaxzod Shuhrat o'g'li, Alarov Asilbek Oybek o'g'li	
SANOAT KORXONALARINING EKOLOGIK BARQARORLIGI VA EKOLOGIK IQTISODIYOTNING RIVOJLANISH MASALALARI.....	545
O'rinov Diyor, Xolliyev Sh.B.	



YASHIL IQTISODOYOT VA UNDA ZAMONAVIY TEXNOLOGIYALAR.....	549
Ermuminov Elbek Erkin o'g'li, Ilmiy rahbar: Yaxshiqulova Moxinur Toxir qizi	
XIZMATLAR SOHASIDA KADRLARNING TUTGAN O'RNI .....	553
Turayeva Nargiza Rustamovna	
IQTISODIYOTDA TARKIBIY O'ZGARISHLARNI AMALGA OSHIRISHNING USTUVOR YO'NALISHLARI .....	557
G.P.Erkayeva, N.H.Qo'ziboyeva	
YASHIL IQTISODIYOTGA O'TISHNING AHAMIYATI VA O'ZBEKISTONDA YASHIL IQTISODIYOTGA O'TISH STRATEGIYASI .....	560
Samadova Jasmina Sherali qizi, Sh. Xolliyev	
"YASHIL" ENERGETIKA VA "YASHIL" IQTISODIYOT.....	564
Qarshiyeva Dilsora Ismoil qizi, Hazratqulov Shahboz Boboqul o'g'li	
MAMLAKAT BUDJETINING SHAKLLANISHI VA DAROMADLAR TAQSIMOTINING IQTISODIYOTDAGI ROLI .....	569
Ashirqulova Sevinch Sarvar qizi, Sh. Xolliyev	
O'ZBEKISTONDA YASHIL IQTISODIYOT VA RAQAMLI TEXNOLOGIYALARNI RIVOJLANTIRISH ISTIQBOLLARI .....	574
Urozoza Shahlo Hasan qizi, Rahmonova Tillaoy Malik qizi	
"YASHIL" IQTISODIYOT INNOVATSION RIVOJLANISHINING KO'RSATGICHLARI.....	579
Mirzayev Kulmamat Djanakovich, Usmonov Murodjon Dusmurot o'g'li	
XIZMAT KO'RSATISH SOHASIDA INNOVATSION FAOLIYATNI TARTIBGA SOLISHNING NAZARIY-METODOLOGIK ASOSLARI .....	583
Mirzayev Qulmamat Djonuzoqovich, Mirzayev Azzamjon Jonuzokovich, Eshquvvatova Nodira Abdullayevna	
INNOVATSION IQTISODIYOT SHAROITIDA QISHLOQ XO'JALIGIDA IQTISODIY RESURSLARDAN FOYDALANISH SAMARADORLIGINI OSHIRISH MASALALARI.....	588
Mirzayev Qulmamat Djonuzoqovich, Eshquvvatova Nodira Abdullayevna	
СТРАТЕГИЯ УСТОЙЧИВОГО РАЗВИТИЯ РЕСПУБЛИКИ УЗБЕКИСТАНА: РОЛЬ ИННОВАЦИЙ И ИНТЕЛЛЕКТУАЛЬНОГО КАПИТАЛА В ЭПОХУ НООНОМИКИ.....	593
Чекулаева Кристина	
МЕТОДОЛОГИЧЕСКИЕ ПОДХОДЫ К ОБЕСПЕЧЕНИЮ УСТОЙЧИВОГО РАЗВИТИЯ ПРОМЫШЛЕННЫХ ПРЕДПРИЯТИЙ В УСЛОВИЯХ ПРИ ПЕРЕХОДЕ К ЗЕЛЁНОЙ ЭКОНОМИКЕ.....	599
Чекулаева Кристина	
YASHIL IQTISODIYOT – MAMLAKAT TARAQQIYOTINING ASOSIY OMILI.....	605
Oybek Hamdamov, Qosimov Jahongir	
RAQAMLI IQTISODIYOT SHAROITIDA INSON KAPITALI SIFATINI OSHIRISHDA TA'LIMNING AHAMIYATI .....	608
M.Ostanova, Ro'ziyev Ramshid	
MODERN LEGAL BASIS FOR THE EFFICIENT USE OF FINANCIAL RESOURCES IN HIGHER EDUCATION INSTITUTIONS IN OUR COUNTRY .....	613
Ismoilova Gulrux, Khayriddinov Shukhrat Botirovich	
YASHIL IQTISODIYOTNI RIVOJLANTIRISH SHAROITIDA TABIIY - IQTISODIY MANBAALARDAN SAMARALI FOYDALANISHNING IQTISODIY MEXANIZMI .....	617
Mavlonov Shaxzod Shahobiddin o'g'li, Mavlonova Surayyo Xasan qizi	
YANGI O'ZBEKISTONDA SOHALARNI RAQAMLASHTIRISH SAMARADORLIGI .....	621
Gulrux Arslon qizi Ismoilova	



# THE ROLE OF RENEWABLE ENERGY IN THE GREEN ECONOMY

**Khudoyberdiyeva Olima**

Karshi state university, student

**Yakhshikulova Mokhinur**

Karshi state university, teacher

**Abstract:** This article looks at how renewable energy, such as solar, wind, and hydroelectric power, is key to building a green economy. As we face problems like climate change, switching to renewable energy helps reduce pollution and conserve natural resources. The article explains how using clean energy sources can also save money, create jobs, and make countries less dependent on fossil fuels. It also highlights how governments and companies are investing more in renewable energy through policies and new technologies. Overall, the article shows that renewable energy is essential for a sustainable and green economy.

**Key words:** Renewable energy, green economy, solar power, wind energy, hydropower, clean energy, sustainability, carbon emissions, climate change, energy transition, renewable resources, green jobs, sustainable development, clean technology, fossil fuels, energy independence, climate action, energy efficiency, eco-friendly energy, green investments.

**Annotatsiya:** Ushbu maqola, quyosh, shamol va gidroelektr energiyasi kabi qayta tiklanuvchi energiya manbalarining yashil iqtisodiyotni qurishda qanday muhim rol o'ynashini ko'rib chiqadi. Iqlim o'zgarishi kabi muammolar bilan yuzlashayotganimizda, qayta tiklanuvchi energiyaga o'tish ifloslanishni kamaytirishga va tabiiy resurslarni saqlashga yordam beradi. Maqolada, toza energiya manbalaridan foydalanish nafaqat pulni tejashga, balki ish o'rinlarini yaratishga va mamlakatlarni yoqilg'i qazib olishdan kamroq bog'liq qilishga yordam berishi ham tushuntiriladi. Shuningdek, hukumatlar va kompaniyalar qayta tiklanuvchi energiyaga sarmoya kiritish, siyosat va yangi texnologiyalar orqali buni amalga oshirishda qanday o'sayotganini ta'kidlaydi. Umuman olganda, maqola qayta tiklanuvchi energiyaning barqaror va yashil iqtisodiyot uchun zarur ekanligini ko'rsatadi.

**Kalit so'zlar:** qayta tiklanuvchi energiya, yashil iqtisodiyot, quyosh energiyasi, shamol energiyasi, gidroelektr energiyasi, toza energiya, barqarorlik, uglerod chiqindilari, iqlim o'zgarishi, energiyani o'zgartirish, qayta tiklanuvchi resurslar, yashil ish o'rinlari, barqaror rivojlanish, toza texnologiyalar, fosil yoqilg'ilar, energiya, energiya mustaqilligi, iqlimga qarshi harakat, energiya samaradorligi.

**Аннотация:** Эта статья рассматривает важную роль возобновляемых источников энергии, таких как солнечная, ветровая и гидроэнергия, в построении зеленой экономики. В условиях глобальных проблем, таких как изменение климата, переход на возобновляемую энергию помогает сократить загрязнение и сохранить природные ресурсы. В статье объясняется, как использование чистых источников энергии помогает не только экономить деньги, но и создавать рабочие места, а также снижать зависимость стран от ископаемых топлив. Также подчеркивается, как правительства и компании инвестируют в возобновляемую энергию, развивая политику и новые технологии. В целом, статья демонстрирует, что возобновляемая энергия необходима для устойчивой и зеленой экономики.

**Ключевые слова:** возобновляемая энергия, зеленая экономика, солнечная энергия, ветряная энергия, гидроэнергия, чистая энергия, устойчивость, углеродные выбросы, изменение климата, переход к энергии, возобновляемые ресурсы, зеленые рабочие места, устойчивое развитие, чистые технологии, ископаемое топливо, энергия, энергетическая независимость, действия по борьбе с изменением климата, энергоэффективность, экологически чистая энергия, зеленые инвестиции.

## INTRODUCTION

There are a lot kind of energies in the world .Renewable energy is one of them.Renewable energy is energy made from renewable natural resources that are replenished on a human timescale.There are most widely used renewable energy types. They are solar energy,wind power,and hydropower.

Solar energy is harnessed from the sun in the form of electromagnetic radiation (light, heat, and ultraviolet rays). By installing solar panels or collectors, it can be used to capture thermal energy (photothermal) or to generate electricity (photovoltaic).



To generate useful work Wind power is the use of wind energy. From ancient times because of sails, windmills and windpumps utilized wind power. However nowadays it is generally used to produce electricity

Hydropower is also known as water power or water energy. We use fast running water to produce electricity or for power machines. Hydropower is an attractive alternative to fossil fuels as it does not directly produce carbon dioxide or other atmospheric pollutants and it provides a relatively consistent source of power.

Over the past 3 decades Renewable energy systems have rapidly become more efficient and cheaper. Most of the new set up electricity positions are now renewable. Over the past 10 years, renewable energy sources for example solar and wind power have seen dramatic price drop and it made them competitive with classic fossil fuels.

**“A green economy** refers to an economic system that aims to promote sustainable development while reducing environmental risks and ecological scarcities. In this model, economic growth is decoupled from environmental degradation, with a focus on minimizing carbon emissions, conserving natural resources, and ensuring long-term environmental sustainability”<sup>1</sup>

**“Key features of a green economy include:**

**Low Carbon Emissions:** Efforts are made to reduce greenhouse gas emissions through the use of renewable energy, energy efficiency, and cleaner technologies.

**Resource Efficiency:** The efficient use of natural resources, such as water, land, and minerals, to minimize waste and environmental impact

**Sustainable Production and Consumption:** Encouraging industries and consumers to adopt practices that reduce harm to the environment, such as recycling, sustainable agriculture, and eco-friendly products.

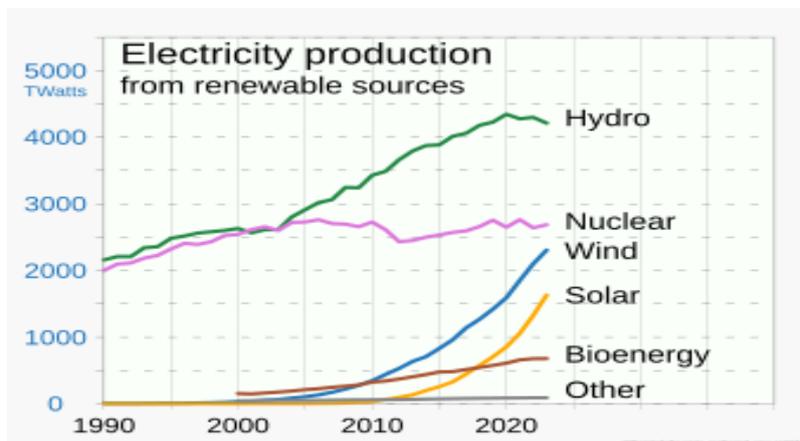
**Biodiversity and Ecosystem Protection:** Preserving ecosystems and protecting biodiversity to ensure the health of natural habitats and species.

**Economic Inclusivity:** Ensuring that the benefits of green economic growth are distributed fairly, offering new job opportunities and improving social well-being, particularly for marginalized communities.

**Overall,** the green economy seeks to balance economic development with environmental responsibility, promoting long-term sustainability while addressing climate change and conserving resources for future generations.

For data collection in this study, academic articles, central bank reports and financial used Big Data analytics provided by institutions. Statistical data regression analysis and the data were processed using the clustering method and the effect on the effectiveness of the monetary policy was evaluated. Also, machine learning algorithms to improve forecasting accuracy of economic indicators applied”<sup>2</sup>.

## ANALYSIS AND RESULTS



This chart represents electricity production from renewable sources over time, measured in terawatts (TWatts), from 1990 to approximately 2025. The key sources of renewable electricity shown in the graph include:

**Hydro:** The most significant and stable contributor, showing steady growth until around 2015, after which it slightly declines or plateaus. **Nuclear:** A relatively constant energy source, with minimal fluctuations over time. **Wind:** Demonstrates rapid growth, especially after 2010, surpassing nuclear energy around 2020. **Solar:** Starts from nearly zero but experiences exponential growth, particularly after 2010, following an upward trend. **Bioenergy:** Shows a gradual but steady increase over time. **Other sources:** Appear to contribute minimally

1 <https://www.unep.org/regions/asia-and-pacific/regional-initiatives/supporting-resource-efficiency/green-economy>

2 <https://www.celsia.io/blogs/transition-to-a-green-economy-key-benefits-risks-for-businesses>



compared to the other categories. Overall Trends: Hydropower remains the dominant renewable energy source but has reached a peak or slight decline. Wind and solar energy have grown significantly, with solar showing the sharpest increase in recent years. Bioenergy and other sources remain minor contributors compared to wind and solar.

- The overall trend indicates a shift towards wind and solar energy as major contributors to renewable electricity production.

Renewable energy affects green economy ,dramatically.Here I will explain How it works.

“Renewable energy plays a crucial role in fostering a green economy, which emphasizes sustainable development while minimizing environmental harm. Here are several ways in which renewable energy impacts the green economy:

**Reduction in Greenhouse Gas Emissions:** By replacing fossil fuels with renewable energy sources like solar, wind, hydro, and geothermal, we can significantly reduce carbon dioxide (CO<sub>2</sub>) emissions. This helps mitigate climate change and aligns with international agreements like the Paris Climate Accord.

**Creation of Jobs:** The renewable energy sector has become a major job creator. Installing, maintaining, and operating renewable energy technologies requires a skilled workforce. This includes jobs in manufacturing, construction, engineering, and research and development.

**Energy Security and Independence:** Renewable energy sources are typically local and abundant. This reduces reliance on imported fossil fuels, enhancing national energy security and promoting self-sufficiency. This also reduces vulnerability to global energy price fluctuations.

**Investment and Economic Growth:** Investments in renewable energy infrastructure can stimulate economic growth by driving innovation and developing new technologies. Green technology companies often receive funding and support, contributing to economic diversification and sustainability.

**Promoting Sustainable Practices:** The transition to renewable energy encourages broader sustainable practices, such as energy efficiency and the circular economy. It promotes responsible consumption and reduces the environmental degradation caused by traditional energy extraction methods.

**Increased Energy Access:** In remote or underdeveloped areas, renewable energy technologies like solar power can provide access to electricity where traditional grid infrastructure is not feasible. This boosts economic opportunities in those regions, improving education, healthcare, and productivity.

**Public Health Improvements:** By reducing air and water pollution associated with fossil fuel energy production, renewable energy helps decrease health problems, such as respiratory diseases and water contamination, contributing to overall well-being and reducing healthcare costs.

**Long-Term Economic Sustainability:** Renewable energy systems, especially those that rely on wind, sun, or water, have low operating costs once they are installed, meaning they can provide affordable and stable energy prices over time, contributing to a more resilient economy.

**Clean energy:** Renewable energy sources produce little to no greenhouse gas emissions, helping to reduce air pollution and combat climate change.

In summary, renewable energy is essential for building a green economy, supporting environmental sustainability, economic growth, and social well-being while addressing the urgent need to tackle climate change.”<sup>3</sup>

“While renewable energy offers numerous benefits, there are some disadvantages to consider as well. These drawbacks can vary depending on the specific energy source, location, and technological development. Here are some of the main disadvantages of renewable energy:

**Intermittency and Reliability:**

Solar and wind energy are intermittent, meaning they depend on weather conditions. The sun doesn't always shine, and the wind doesn't always blow, leading to fluctuations in energy supply. This can create reliability issues if backup systems (like energy storage or grid support) aren't in place.

**Energy Storage Challenges:**

Storing renewable energy for use during times when generation is low (e.g., cloudy days or calm winds) is a significant challenge. Current storage technologies, like batteries, are often expensive and have limited capacity and efficiency. Without sufficient energy storage systems, managing these fluctuations and ensuring a steady energy supply can be difficult.

**High Initial Investment:**

The upfront cost of installing renewable energy systems, such as solar panels, wind turbines, and hydroelectric plants, can be high. While these systems often have lower operational costs in the long run, the initial capital investment may be a barrier for some countries, businesses, and individuals.

3 [https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2016/IRENA\\_Measuring-the-Economics\\_2016.pdf](https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2016/IRENA_Measuring-the-Economics_2016.pdf)



#### Land and Space Requirements:

Some renewable energy sources, like wind farms and solar fields, require significant land area to produce large amounts of energy. In densely populated areas or regions with limited available land, this can create space constraints and lead to land-use conflicts (e.g., with agriculture or wildlife habitats).

#### Environmental Impact:

Although renewable energy is generally cleaner than fossil fuels, some technologies can still have environmental impacts:

Hydropower can disrupt ecosystems, displace communities, and affect fish populations due to damming rivers.

Solar farms and wind turbines may disrupt local wildlife habitats and have an impact on bird and bat populations.

The manufacturing, transportation, and disposal of solar panels, batteries, and wind turbine blades can also have an environmental impact.

#### Dependence on Weather and Geography:

Renewable energy potential is often geographically dependent. For example, solar power is most effective in sunny regions, while wind energy is best in areas with consistent winds.

In areas that lack the appropriate natural resources (e.g., places with low sunlight or wind), renewable energy may not be as viable or cost-effective.

#### Disposal and Recycling Issues:

The disposal of renewable energy components, such as solar panels and wind turbine blades, can be challenging. As these technologies reach the end of their life cycle, recycling and disposal methods need to be improved to avoid environmental harm. Solar panels, in particular, contain materials like cadmium and other heavy metals that require careful disposal or recycling.

#### Energy Density:

Renewable energy sources generally have lower energy density compared to fossil fuels. For example, wind and solar require much more space to generate the same amount of electricity as coal or natural gas power plants. This means that to meet large-scale energy demands, more infrastructure may be needed, which can make it more expensive and logistically challenging to implement.

#### Transmission and Grid Integration:

The integration of renewable energy into existing power grids can be complex. For instance, wind and solar farms are often located far from population centers, necessitating the construction of long-distance transmission lines, which can be costly and face regulatory hurdles. Additionally, renewable energy's variability can require grid operators to implement advanced systems and technologies for grid stability, which may further increase costs. While these disadvantages exist, ongoing advancements in technology, energy storage solutions, and grid management are continually addressing many of these challenges, helping to make renewable energy more feasible and accessible."<sup>4</sup>

## CONCLUSION AND SUGGESTIONS

To overcome the challenges associated with renewable energy, a combination of technological, policy, and infrastructure solutions can be employed. Here are some key solutions to the problems mentioned:

**Solution: Energy Storage Technologies.** **Battery Storage:** Advancements in battery technology, such as lithium-ion, solid-state, or flow batteries, can store excess energy generated during sunny or windy periods for use during times of low generation. **Pumped Hydro Storage:** This method uses excess renewable energy to pump water to a higher elevation, which can then be released to generate electricity when needed.

**Compressed Air Energy Storage (CAES):** Uses excess energy to compress air, which is then stored and released to generate electricity.

**Solution: Grid Modernization and Smart Grids.** **Smart Grids:** Smart grids use advanced digital communication technology to efficiently balance electricity supply and demand. They can help integrate renewable sources into the grid and improve reliability. **Demand Response Programs:** These programs can reduce demand during peak times by incentivizing consumers to lower their energy usage or shift it to off-peak hours.

#### 2. High Initial Investment

**Solution: Financial Incentives and Subsidies.** Governments can offer tax incentives, subsidies, or grants to lower the upfront cost of renewable energy systems for businesses and individuals. This encourages investment in clean energy technologies.

<sup>4</sup> <https://www.altenergymag.com/article/2015/08/the-dark-side-of-renewable-energy-negative-impacts-of-renewables-on-the-environment/20963/>



Green Bonds: Issuing green bonds to finance renewable energy projects can attract investment and make these projects more affordable. Solution: Economies of Scale and Technological Advancements As renewable energy technologies mature, production costs generally decline due to economies of scale and technological improvements. More widespread adoption will reduce the cost of manufacturing and installation.

### 3. Land and Space Requirements

Solution: Offshore Wind and Floating Solar. Offshore Wind: Building wind farms offshore, where land is scarce or costly, allows for access to higher and more consistent wind speeds while avoiding land-use conflicts.

Floating Solar: Installing solar panels on water bodies (e.g., lakes, reservoirs, and even oceans) helps conserve land and reduces competition for space.

#### Solution: Dual Land Use

Agrivoltaics: Combining solar panels with agricultural activities, such as growing crops or grazing livestock under the panels, can optimize land use without compromising food production.

Wind-Solar Hybrid Systems: Co-locating wind and solar energy generation systems in the same area can maximize land use, as the two sources often complement each other (e.g., wind tends to be stronger when the sun isn't shining).

### 4. Environmental Impact. Solution: Sustainable Design and Planning

Wildlife-Friendly Turbines: The design of wind turbines can be improved to minimize the impact on bird and bat populations. This includes using bird-friendly blades or siting wind farms away from migratory routes. Careful Site Selection for Hydropower: For hydropower projects, ensuring that they do not disrupt ecosystems or local communities is critical. This can include installing fish ladders to allow fish migration and using small-scale or run-of-river systems instead of large dams.

#### Solution: Recycling and Circular Economy

Recycling Solar Panels and Wind Turbine Blades: Developing efficient recycling methods for solar panels (e.g., recovering valuable metals like silver and silicon) and wind turbine blades will help minimize waste and environmental impact.

Reusing Materials: Promoting the use of sustainable materials and reusing components from decommissioned renewable energy systems in new installations can reduce resource consumption.

### 5. Dependence on Weather and Geography

Solution: Diversified Energy Mix. Hybrid Systems: Combining multiple renewable energy sources (e.g., wind, solar, and biomass) in a hybrid system can ensure that energy generation remains consistent. When one source is not generating enough power, another may be.

Geographic Diversity: Spreading renewable energy infrastructure over a wide geographic area helps reduce the impact of weather variations in one region. If the wind isn't blowing in one area, it may be in another.

Solution: Advanced Weather Prediction and Forecasting. Improved weather forecasting can help predict renewable energy availability, allowing better planning and grid integration. Real-time data can enable grid operators to manage the supply-demand balance more effectively.

6. Disposal and Recycling Issues. Solution: Improve Recycling Infrastructure. Solar Panel Recycling: Develop better recycling processes for solar panels recover valuable materials like silicon and rare metals, reducing environmental impacts.

Wind Turbine Blade Recycling: Invest in technologies to recycle or repurpose wind turbine blades (e.g., turning them into construction materials or other products). Solution: Extended Product Lifecycles. Increasing the durability and lifespan of renewable energy components (e.g., using more robust materials for wind turbine blades) reduces the frequency of disposal and the associated environmental impact.

7. Energy Density. Solution: Concentrated Solar Power (CSP). CSP: CSP systems use mirrors or lenses to focus sunlight onto a small area, increasing energy concentration and making it more efficient for large-scale power generation. This helps mitigate the land-use issue of solar power.

Solution: Efficient Use of Space. Innovations in energy efficiency, such as high-efficiency solar panels or small modular nuclear reactors (SMRs), could provide more power in a smaller footprint.

8. Transmission and Grid Integration. Solution: High-Voltage Direct Current (HVDC) Transmission. HVDC technology allows for efficient transmission of electricity over long distances with less energy loss, making it ideal for connecting remote renewable energy sources (like offshore wind farms) to population centers.

Solution: Microgrids and Decentralized Systems. Microgrids: Localized grids that can operate independently or in conjunction with the main grid help reduce transmission losses and allow for better integration of renewable energy sources. Distributed Energy Systems: Encouraging decentralized renewable energy generation (e.g., rooftop solar panels) allows for more localized power production, reducing the need for long-distance transmission and enhancing grid stability.



## CONCLUSION

To address the challenges associated with renewable energy, a combination of innovation in technology, investment in infrastructure, and supportive policies will be necessary. By advancing energy storage, improving grid systems, optimizing land use, and developing recycling methods, we can maximize the potential of renewable energy while minimizing its drawbacks.

### List of used literature.

1. <https://www.unep.org/regions/asia-and-pacific/regional-initiatives/supporting-resource-efficiency/green-economy>
2. <https://www.celsia.io/blogs/transition-to-a-green-economy-key-benefits-risks-for-businesses>
3. [https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2016/IRENA\\_Measuring-the-Economics\\_2016.pdf](https://www.irena.org/-/media/Files/IRENA/Agency/Publication/2016/IRENA_Measuring-the-Economics_2016.pdf)
4. <https://www.altenergymag.com/article/2015/08/the-dark-side-of-renewable-energy-negative-impacts-of-renewables-on-the-environment/20963/>
5. [http://eprints.umsida.ac.id/view/creators/Xudoyberdiyeva=3AOlima\\_Otabekovna=3A=3A.html](http://eprints.umsida.ac.id/view/creators/Xudoyberdiyeva=3AOlima_Otabekovna=3A=3A.html)
6. Xudoyberdiyeva, O. O. (2024). MONOPOL SHAROITDA NARX BELGILASH VA MONOPOL HOKIMIYAT KO'RSATKICHLARINI PASAYTIRISH. BOSHQARUV VA ETIKA QOIDALARI ONLAYN ILMIY JURNALI, 5(1), 6-8.
7. Rahmonova, T. (2024). STATISTICAL ASPECTS OF THE HUMAN RESOURCE MANAGEMENT CONCEPT OF PROOF. GOLDEN BRAIN, 2(10), 33-41.
8. Narkulovich, D. O. (2023). WAYS OF PREPARING STUDENTS FOR RATIONAL ORGANIZATION OF WORK IN THE PROCESS OF PEDAGOGICAL EDUCATION. Conferencea, 115-118.



## IQTISODIYOT & TARAQQIYOT

*Ijtimoiy, iqtisodiy, texnologik, ilmiy, ommabop jurnal*

**Ingliz tili muharriri:** Feruz Hakimov

**Musahhih:** Zokir ALIBEKOV

**Sahifalovchi va dizayner:** Oloviddin Sobir o'g'li

### 2025. aprel. № 3. navbatdan tashqari son

© 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 kelmasligi 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

Bot: @iqtisodiyot\_77

Tel.: 93 718 40 07

Jurnalga istalgan payt quyidagi rekvizitlar orqali obuna bo'lishingiz mumkin. Obuna bo'lgach, @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.



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