



IMPROVING THE ECOLOGICAL CONDITION IN LARGE CITIES

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Annotatsiya: Yirik shaharlarda ekologik holatini yaxshilash masalasi bugungi kunda juda muhim va dolzarbdir. Shaharlar, o'zining iqtisodiy va ijtimoiy hayoti bilan, ko'plab muammolarni o'z ichiga oladi. Ushbu muammolar orasida eng muhimlaridan biri ekologik muammolar hisoblanadi. Yirik shaharlar tez rivojlanayotgan va ko'plab odamlarni o'ziga jalb etayotgan joylar bo'lib, bu esa o'z navbatida atrof-muhitga salbiy ta'sir ko'rsatadi. Shuning uchun, shaharlarning ekologik holatini yaxshilash uchun bir qator chora-tadbirlarni amalga oshirish zarur.

Kalit so'zlar: ekologiya, transport tizimi, muammolar, atrof-muhit, energiya iste'moli, shaharlar, iqtisodiy o'sish.

Аннотация: Вопрос улучшения экологической обстановки в крупных городах является очень важным и актуальным на сегодняшний день. Города, с их экономической и социальной жизнью, влекут за собой множество проблем. Одной из важнейших из этих проблем являются экологические проблемы. Крупные города являются местами, которые стремительно развиваются и привлекают большое количество людей, что, в свою очередь, оказывает негативное влияние на окружающую среду. Поэтому необходимо реализовать ряд мер по улучшению экологической обстановки в городах



Ключевые слова: экология, транспортная система, проблемы, окружающая среда, энергопотребление, города, экономический рост.

Abstract: *The issue of improving the ecological situation in large cities is very important and relevant today. Cities, with their economic and social life, involve many problems. One of the most important of these problems is environmental problems. Large cities are places that are rapidly developing and attract a large number of people, which, in turn, has a negative impact on the environment. Therefore, it is necessary to implement a number of measures to improve the ecological situation in cities.*

Keywords: *ecology, transport system, problems, environment, energy consumption, cities, economic growth.*

INTRODUCTION

Cities, as centers of the social, economic and cultural life of mankind, have played an important role throughout history. They are not only dense settlements of the population, but also places that provide opportunities for various activities and services. Cities are generally a source of economic development, cultural exchange and innovation. However, rapid urban growth and urbanization processes pose a number of environmental problems. Air pollution, waste management, reduced green spaces and problems in the transportation system pose a serious threat to the environmental condition of cities. Therefore, the issue of ensuring the environmental sustainability of cities and protecting the environment is one of the urgent and important tasks today. In addition to ensuring the quality of life of its inhabitants, cities should also focus on maintaining an ecological balance.

MATERIALS AND METHODS

Traffic flows between cities cause many problems, including air pollution and inner-city congestion. To improve the transportation system, it is necessary to develop public transportation, increase bicycle paths and create comfortable



pedestrian conditions. Through this, people can be encouraged to use public transport within the city rather than by car. It is also important to improve the efficiency of public transport, as well as to ensure that it is environmentally friendly. The introduction of electric vehicles, such as trams and electric buses, plays an important role in urban air purification.[1]

Green spaces, such as parks, alleys and forests, provide indoor air conditioning, as well as recreational and sporting opportunities for the city's residents. Green spaces reduce heat within the city and help maintain ecological balance. Green spaces also improve the aesthetic aspects of urban life.[2] When cities are being planned, it is necessary to focus on creating new green spaces. Large cities produce a large amount of waste, and this is necessary so that effective waste management does not adversely affect the environment.[3] It is necessary to implement a waste separation and recycling system, as well as implement programs to reduce emissions. Residents of the city should have information on the allocation and processing of waste. This can reduce emissions and reduce environmental impacts.[4]

RESULTS AND DISCUSSIONS

Large cities consume a lot of energy, which negatively affects the environment. Energy conservation and the use of renewable energy sources are important in improving the environmental condition of cities. Energy consumption can be reduced by introducing solar panels, wind turbines and other renewable energy sources. It is also necessary to insulate and implement energy-saving technologies to improve the energy efficiency of buildings. It is necessary to change the attitude of the population towards environmental issues, to encourage them to protect the environment. Through environmental education programs, workshops, and events, residents of the city can learn about environmental issues. By increasing the environmental awareness of the population, it is possible to achieve an improvement in the environmental condition of cities. In order to



improve the environmental condition in large cities, it is necessary that the above-mentioned measures be implemented together. Cooperation between local authorities, government organizations, businesses and city dwellers is important in the implementation of this process. Only by acting together can it be achieved to improve the ecological condition of large cities.[5]

It is also important to share experiences between cities and learn successful practices. The achievements of other cities in solving environmental problems can offer new ideas and solutions.[6] Through cooperation and exchange of experience between cities, it is possible to increase efficiency in solving environmental problems. It is also necessary that large cities introduce innovative solutions to environmental problems. [7] It is possible to improve the environmental condition of cities by developing technologies and developing new environmental solutions. The smart city concept, for example, helps ensure that cities use resources efficiently. With smart technology, transportation, energy and waste management can be further improved.[8]

CONCLUSION

In conclusion, the issue of improving the ecological condition in large cities requires an integrated approach. Measures such as improving the Transport system, increasing green spaces, waste management, energy efficiency and promoting environmental awareness are necessary to be implemented together. Only through such actions can it be possible to improve the ecological condition of large cities and maintain a clean and healthy environment for future generations.

REFERENCES

1. Abdullayeva, D. (2020). "Urban ecology: problems and solutions." Tashkent: publication of the National University of Uzbekistan.



2. Karimov, A. (2021). "Urbanization and environmental sustainability: Uzbekistan experience." Samarkand: Samarkand State University edition.
3. Murodov, S. (2019). "Major cities and the environment: problems and solutions." Bukhara: Bukhara State University edition.
4. Tashkentov, Z. (2022). "Green cities: environmental innovation and strategies." Fergana: publication of Fergana State University.
5. Kadyrov, R. (2023). "Urban infrastructure and environmental sustainability." Namangan: Namangan State University Press.
6. Rasulov, E. (2020). "Environmental issues and Urban Development." Andijan: Andijan State University edition.
7. Khudoyberdiyev, M. (2021). "Cities and environmental sustainability: on the example of Uzbekistan." Tashkent: publication of the Academy of Sciences of Uzbekistan.
8. Sadigov, F. (2022). "Major cities and Environmental Protection." Nukus: Karakalpak State University edition.