

**ENVIRONMENTAL OVERVIEW OF UZBEKISTAN
(PROBLEMS OF ECOLOGY)**

*Jizzakh branch of the National University of Uzbekistan
named after Mirzo Ulugbek*

*The Faculty of Psychology, the department of foreign languages
Philology and foreign languages*

*Scientific advisor: **Teshaboyeva Nafisa Zubaydulla qizi**
nafisateshaboyeva@jbnuu.uz*

*Student of group 404-22: **Rustamova Farangiz**
rustamovafarangiz235@gmail.com*

Annotation: *This article is about the environment, nature, ecology of the Republic of Uzbekistan, the information and the state of diseases in ecology over the years. As the population increases, so does the environment. The country is suffering from an economically favorable climate. A lot of work is being done to keep these pests clean.*

Key words: *industrial, urbanization, decarbonize, environment, ecology, productivity, vulnerable, supporting, promoting, transport, population, agriculture.*

Uzbekistan's increasing population and urbanization require a more sustainable use of natural resources and an end to unsustainable consumption and production patterns. The country is particularly vulnerable to the consequences of climate change, and therefore, it is essential to decarbonize its industrial, agricultural, and transport sectors while adapting to new realities. Uzbekistan has one of the world's highest energy intensities, meaning the cost of converting energy into GDP is relatively high. Inefficient energy use costs the country around 4.5 percent of its GDP annually. With 80 percent of its water coming from outside the country, Uzbekistan is vulnerable to water shortages,

worsened by climate change. Environmental concerns include land degradation, soil salinization, reduced water quality, wind and water erosion, and decreased productivity of arable land. The poorest segments of the population, who rely on subsistence agriculture in arid regions, are particularly vulnerable to extreme weather events and prolonged droughts associated with the changing climate. The disappearance of the Aral Sea serves as a reminder of the importance of sustainable water management and resource use.

The Government of Uzbekistan has been making efforts to balance economic growth with environmental protection, recognizing the need to meet present needs without compromising future opportunities. With its rapid economic development in recent years, Uzbekistan aims to effectively protect and sustainably manage its environment for the benefit of future generations.

To support the Government of Uzbekistan in its mission to promote sustainability, UNDP's Environment and Climate Action Cluster is focused on the following:

Supporting Uzbekistan in expanding its Nationally Determined Contribution (NDC) by mobilizing partners from the UN, Multilateral Development Banks, and the private sector to facilitate financial flows to support NDC priorities and move the country towards carbon neutrality by the target date;

Facilitating, with support from the Green Climate Fund, the development of specific gender-sensitive climate change adaptation plans for the health, agriculture, water, emergencies, and housing sectors and the most environmentally degraded regions, ensuring adaptation and mitigation responses;

Supporting the implementation of Uzbekistan's Strategy for Transition to a Green Economy by 2030, including promoting the enhanced use of renewable energy, improving resource efficiency and crop yields, and avoiding land degradation;

Supporting the development of new energy efficiency solutions, including investing in low-cost energy-efficient rural housing through blended financing opportunities with Islamic and Asian Development Banks and enhancing access to clean and affordable energy;

Promoting conservation policies for the effective and sustainable management of natural resources, in line with the 2019-2028 National Strategy on Biodiversity Conservation;

Advocating for sustainable ecosystem management and the preservation and regeneration of mountain ecosystems, wetlands, and desert ecosystems in the Aral Sea region.

Addressing inefficient agricultural practices that pose severe threats to rural livelihood sustainability in the Aral Sea region (jointly with the EU and the Ministry of Agriculture), factoring in the economic value of water in national policies, exploring market-based incentives, and contributing to an inclusive transition to a ‘green’ economy;

Supporting national partners (Emergency Situations, Uzhydromet, and regional khokimiyats) in implementing the Sendai Framework for Disaster Risk Reduction through establishing gender-sensitive early-warning systems for climate-induced hazards;

Innovating integrated solutions in the Aral Sea region through the introduction of a multifaceted approach to addressing long-standing challenges, including through systems design, data and analytics, alternative financing, and integrated policies; and

Supporting the efforts of the Karakalpakstan Council of Ministers, Ministries of Investment and Trade, Innovation, Environment and others to transform the Aral Sea Region into a Zone of Ecological Innovation and Technology.

In addition to air pollution in Uzbekistan, there is another ecological problem that affects the whole of Central Asia — this is the tragedy of the Aral Sea. Over the past decades, the water level in the sea has greatly decreased. By

now, the Aral Sea has almost completely disappeared as a result of human economic activity. In the coastal areas of the Aral Sea, atmospheric precipitation decreased several times. Their average value is 150–200 mm with a significant unevenness in the seasons. High evaporability noted (up to 1700 mm per year) with a decrease in air humidity by 10 %.

As you know, President of the Republic of Uzbekistan Sh.M.Mirziyev delivered a speech at the 72nd UN Assembly, where he raised the issue of the Aral Sea: «Uzbekistan supports the draft conventions on the use of water resources in the Amudarya and Syrdarya river basins developed by the UN Regional Center for Preventive diplomacy. Overcoming the consequences of the desiccation of the sea requires today the active consolidation of international efforts. We support the implementation in full of this year's special UN program to provide effective assistance to the population affected by the Aral Sea crisis»

The movement and its parliamentary group are also active in implementing measures aimed at mitigating the consequences of the Aral Sea tragedy, protecting the health of the region's population, improving their living standards, and ensuring the socioeconomic and environmental stability of the region. In short, an important task before each of us is to treat Mother Nature fairly, to preserve the flora and fauna, to pass on the natural resources to the next generation and to contribute to the solution of environmental problems.

THE LIST OF USED LITERATURE

1. Kushokov, S. Y. (2021). THE ROLE OF ZOROASTRIANISM IN THE ANCIENT STATE OF BACTRIA. *World Bulletin of Social Sciences*, 4(11), 69-72.

2. Yusupovich, K. S. (2021). Қадимий Дафн Маросимларидаги Анъана Жараёнлари Ўзбекистон Жануби Мисолида. Барқарорлик ва Етакчи Тадқиқотлар онлайн илмий журнали, 1(6), 72-77.

3. Safarali Yusupovich Kushokov, & Sardor Ahmedov. (2021). THE STRUCTURE OF TURKISH TRIBES IN CENTRAL ASIA AND ITS HISTORICAL IMPORTANCE. *European Scholar Journal*, 2(10), 25-27.
4. Gaybullayeva, N. D. K., & Kizi, T. N. Z. (2022). THE ROLE OF INNOVATIVE METHODS FOR LISTENING COMPREHENSION IN TEACHING LANGUAGE LEARNERS FOREIGN LANGUAGES AND MAINLY ENGLISH. *Central Asian Research Journal for Interdisciplinary Studies (CARJIS)*, 2(10), 8-10.
5. Teshaboyeva, N. (2023). THE IMPORTANCE OF TOURISM IN PRESENT DAY. *Журнал иностранных языков и лингвистики*, 5(5).
6. Teshaboyeva, N. (2023). THE MODERN INNOVATIVE TECHNOLOGIES IN TEACHING FOREIGN LANGUAGES. *Журнал иностранных языков и лингвистики*, 5(5).
7. Teshaboyeva, N. Z. (2023, November). Adjective word group and its types. In "Conference on Universal Science Research 2023" (Vol. 1, No. 11, pp. 59-61).
8. Teshaboyeva, N. Z. (2023, November). Modifications of Consonants in Connected speech. In "Conference on Universal Science Research 2023" (Vol. 1, No. 11, pp. 7-9).
9. Teshaboyeva, N., & Mamayoqubova, S. (2020). COMMUNICATIVE APPROACH TO LANGUAGE TEACHING. In *МОЛОДОЙ ИССЛЕДОВАТЕЛЬ: ВЫЗОВЫ И ПЕРСПЕКТИВЫ* (pp. 409-414).
10. Teshaboyeva, N. (2020). LINGUISTIC PERSONALITY, ITS STRUCTURAL CHARACTERISTICS IN THE NEW PERSPECTIVE DIRECTIONS. In *МОЛОДОЙ ИССЛЕДОВАТЕЛЬ: ВЫЗОВЫ И ПЕРСПЕКТИВЫ* (pp. 415-420).
11. Teshaboyeva, N. Z. (2019). TEACHING ENGLISH THROUGH LITERATURE INTESL AND TEFL CLASSROOMS. In *СОВРЕМЕННЫЕ*

ТЕХНОЛОГИИ: АКТУАЛЬНЫЕ ВОПРОСЫ, ДОСТИЖЕНИЯ И ИННОВАЦИИ (pp. 82-84).

12. Nafisa, T., & Marina, S. (2023). TEACHING AND LEARNING OF ENGLISH VOCABULARY IN TESL AND TEFL CLASSROOMS. *International Journal of Contemporary Scientific and Technical Research*, 465-469.

13. Ibrohimovna, X. M. (2023). The Importance of Methods in Language Teaching Process. *Web of Scholars: Multidimensional Research Journal*, 2(1), 20-23.

14. Хидирова, Д., & Тешабоева, Н. (2022). Pedagogical conditions for the development of the healthy thinking in students. *Zamonaviy innovatsion tadqiqotlarning dolzarb muammolari va rivojlanish tendensiyalari: yechimlar va istiqbollar*, 1(1), 120-122.