

## **ECOLOGICAL PROBLEMS OF WATER RESOURCES IN UKRAINE**

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The current situation with Ukraine's water resources is unsatisfactory. This is reflected in the degree of water pollution and its microcomponent composition. Anthropogenic factors have a more negative effect than natural ones.

In particular, this problem is most clearly manifested in the basins of the Transcarpathian rivers. The Stryi River near Lviv is flooded daily with a large number of chemicals of unknown origin. According to laboratory studies, the main form of inorganic nitrogen is its ammonium form ( $\text{NH}_4^+$ ), the content of which is 1.63 mg. This problem gives rise to another, which arises due to the ingress of harmful substances into groundwater, which makes it impossible to use them in everyday life. This is directly related to the close location of the following private enterprises: PJSC "OIL REFINING COMPLEX-HALICHINA", PJSC "NMCHE SIRKA" and PJSC "SMCENT POLYMINERAL" (Diegtiar, 2020, p. 670).

Another no less important issue is the procedure for obtaining sand from

riverbeds, which is then used in construction. It directly causes water erosion of soils, as a result of which rivers overflow their banks and destroy settlements. A real dilemma for residents of Stryi, Kirov, Skole, Slavsky, Mykolaiv, and Ivano-Frankivsk are the failure of sewage networks, as a result of which wastewater enters the tributaries of the Dniester River. Mostly, these systems are financed from the state budget, which is not enough for their modernization (Prychepa, 2021, p. 290).

Based on the above, it can be noted that if we do not want Ukraine to become a desert, we need to strengthen sanctions on the protection of water resources, conduct regular studies of the chemical composition of rivers and start engaging in technological innovations to clean our rivers. In addition, it is necessary to increase the amount of funding directed to the cleaning of rivers, which play an important role in the development of the water system of Ukraine. Of course, it is worth understanding that this process is irreversible, and it is impossible to restore the state of water bodies to the priority. It is because of this that it is necessary to introduce restrictions and punishments for actions related to the preparation or direct release of hazardous materials into rivers. In our opinion, it is precisely this approach that will prevent, that is, take preventive measures, the increase in the number of environmental crimes.

#### **References:**

Diegtiar, O. A., Hornyk, V. H., Kravchenko, S. O., Karlova, V. V., Shtal, T. V. (2020). Improving public water resources policy in Ukraine: Municipal and environmental issues. *Journal of Environmental Management & Tourism*, 11(3 (43)), 669-675.

<https://search.proquest.com/openview/9838807c9e5f6dfb056da81770a65078/1?pq-origsite=gscholar&cbl=466419>

Prychepa, M., Hrynevych, N., Kovalenko, Y., Vodianskyi, O., Svitelskyi, M., Khomiak, O., Levkivska, N. (2021). Diversity of aquatic animals in water bodies Opechen'(Dnipro floodplain, Ukraine). *Ukrainian Journal of Ecology*, 11(3), 285-291. <https://www.ujecology.com/abstract/diversity-of-aquatic-animals-in-water-bodies-opechen-dnipro-floodplain-ukraine-80283.html>