

# **Tbilisi sea ecology and drinking water problems**

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Drinking water is one of the main and important components for the functioning of society. That is why the cities of large development are nourished by aqueducts. One of the water supply facilities of the city of Tbilisi is the Tbilisi Sea, which together with other functions, such as irrigation, hydropower and recreation. Due to its recreational function, Tbilisi Sea is an example of anthropogenic pollution, which has a negative impact on water quality and requires monitoring. In addition to controlling the quality of water directly in the aquifer, it is also important to use the correct methods of water purification in order not to endanger people's health.

The paper discusses the quality of drinking water provided to the population. The mentioned issue became especially important after the pollution of the aquifer intensified and also the questions about water chlorination became more frequent among the population. The paper introduces the ecological situation of the Tbilisi Sea and also provides methods of how drinking water can be purified.