

Zlobina E.S., Tugai A.V. **Biogeochemical peculiarities of Kyiv city fresh artesian water.** Peculiarities of microelements distribution have been investigated in underground water of Senoman and Jurassic aquifers of board part of Dnepr artesian basin. Chemical elements in artesian water with concentration, sufficient for influence on microelements balance in human body, have been defined. Species diversity of micromisets in fresh artesian water has been investigated.

Key words: underground water, Dnepr artesian basin, microelements, hydrogeochemistry, heavy metals, micromisets.