Monika PAC

Cyanobacteria IN FRESHWATER ENVIRONMENT

*Key words:* cyanobacteria, cyanotoxins, dam reservoirs, eutrophication

**Summary**

Cyanobacteria are the organisms that often form blooms, sometimes on the surface of water bodies. High ability of adaptation to different conditions makes them very difficult to eliminate. Conditions prevailing in Polish waters support their massive occurrence. The factor that especially contributes to the expansion of cyanobacteria is progressive eutrophication of water reservoirs, due to the high cyanobacterial demand for nutrients (especially phosphorus) in waters. Blooms are the unfavorable phenomenon especially in dam reservoirs. They also pose other risks, including the possibility of water pollution with harmful toxins. There are many methods of limiting cyanobacteria in waters but none of them is fully effective.