

Saprobioološka analiza kvalitativnog i kvantitativnog sastava fitoplanktona potoka Pocibrave i Petničkog jezera

Cilj rada je ocena kvaliteta vode na osnovu sprobioološke analize kvalitativnog i kvantitativnog sastava fitoplanktona potoka Pocibrave i Petničkog jezera. Uzorkovanje je vršeno na deset lokaliteta (pet na Pocibravi, pet na Petničkom jezeru) početkom jula 2004. godine. Na lokalitetima Pocibrave pronađeno je 38 vrsta algi iz 31 roda, iz 5 razdela. Na lokalitetima Petničkog jezera pronađene su 44 vrste algi iz 31 roda, iz 4 razdela. Utvrđeno je da je voda na svim lokalitetima β -mezosaprobna.

Saprobiological Analysis of Qualitative and Quantitative Stand of Phytoplankton of River Pocibrava and Petnica Lake

The aim of this project was to obtain data about the water quality of the Pocibrava river and Petnica lake based on the qualitative and quantitative structure of phytoplankton, bioindicators of water pollution. The saprobic values were determined by the Pantle-Buck method.

Samples were taken in ten localities, five on Pocibrava river and five on Petnica lake. In the beginning of July 2004, 38 species from 31 genera, from 5 divisions were identified on the Pocibrava river localities. The water was β -mesosaprobic on all localities. The saprobic values are slightly reduced downstream along the flow of the river, from the Petnica lake towards the confluence.

On the Petnica lake localities, 44 species from 31 genera, from 4 divisions were identified. The characteristic of each locality is β -mesosaprobic type of water. This type of water smell of soil. Because of many phytoplankton organisms, the water is green.

The results of this research show the start of a succession process and swamp genesis of Petnica lake.

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