

Yeasts isolated from the lakes of Dhanmondi and Ramna, Bangladesh

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The occurrence of yeasts in the water of two lakes located in Dhaka City over a period from September to December 1999 was investigated. The number of yeasts of lake Dhanmondi and Ramna ranged from 9.5×10^4 to 35×10^4 and 2.3×10^4 to 11×10^4 CFU/l, respectively. The isolated yeast strains belonged to 5 species: *Saccharomyces cerevisiae*, *Rhodotorula glutinis*, *Rhodotorula mucilaginosa*, *Debaryomyces hansenii* var. *fabryi* and *Candida suecica*. The maximum number of yeasts was found to be 3 times higher in the water samples of Dhanmondi lake than that of Ramna lake. The higher number of yeasts was correlated with the temperature of the water and with pH values.

Key words: yeast community, occurrence, lake water, Bangladesh

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Študoval sa výskyt kvasiniek vo vode dvoch jazier v meste Dhaka v období od septembra do decembra 1999. Počet kvasiniek v jazere Dhanmondi sa pohyboval v rozmedzí $9,5 \times 10^4$ až 35×10^4 CFU/l a v jazere Ramna $2,3 \times 10^4$ až 11×10^4 CFU/l. Izolované kmene kvasiniek boli zaradené do 5 druhov: *Saccharomyces cerevisiae*, *Rhodotorula glutinis*, *Rhodotorula mucilaginosa*, *Debaryomyces hansenii* var. *fabryi* a *Candida suecica*. Zistilo sa, že maximálny počet kvasiniek bol 3-krát vyšší vo vzorkách vody z jazera Dhanmondi než z jazera Ramna. Vyšší počet kvasiniek koreloval s vyššou teplotou vody a s pH hodnotami.