

Mikrobiološka analiza vode i zemljišta Petničke pećine

Mikrobiološko istraživanje vode i zemljišta Petničke pećine izvedeno je tokom juna 2004. godine. Obuhvatalo je izolovanje bakterije roda *Bacillus* spp. iz uzoraka zemljišta, dok je u uzorcima vode traženo prisustvo koliformnih bakterija, kao i oligotrofnih, heterotrofnih i aerobnih mezofila kao indikatora fekalnog zagađenja. Rezultati su pokazali prisustvo manjeg broja bakterija u vodi nego u istraživanju rađenom 2000. godine.

Microbiological Analysis of Water and Soil from Petnica Cave

During the microbiological research of water and soil from Petnica cave, the *Bacillus* spp. bacteria was isolated from the soil sample, and the existence of oligotrophic, heterotrophic and aerobe mesofils in water samples was confirmed. Also, we tried to isolate a coliformic bacteria from the water samples. Standard methods of aseptic and sterile sample taking were used. The results of this research show a presence of all aforesaid bacteria. In comparison with the results obtained in the research performed in the year 2000, the water is less contaminated by fecal sources of contamination.

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