

ZOOBENTHOS OF MACROINVERTEBRATES IN SOME STREAMS OF THE WATER CATCHMENT AREA OF LAKE MODRAC (BOSNIA AND HERZEGOVINA)

Dr.sc. Isat Skenderović¹, dr.sc. Avdul Adrović¹, dr.sc. Edina Hajdarević¹, dr.sc. Alen Bajrić¹

¹ Faculty of natural science of University in Tuzla, Tuzla, Bosnia and Herzegovina, isat.skenderovic@untz.ba

Apstrakt: *The hydrobiological research of macrozoobenthos in the water catchment area of Modrac Lake was conducted in 11 locations from 6 streams during a 1-year period. Biodiversity of macroinvertebrates was represented by 11 groups and 87 taxons. The analysis of macrofauna structure revealed that the group of Ephemeroptera had the largest diversity (24), followed by Plekoptera (17), Diptera (7), and the groups with a lower number of taxons, Gastropoda, Oligochaeta, Odonata, Hirudinea, Crustacea and Tubelaria. The presence of different taxons was observed in the researched locations of streams where the following numbers of taxons were noted: Zlača 65, Oskova 57, Spreča 35, Jablanica 28, Turija 23 and Gostelja 17.*

Key words: *Modrac Lake, macroinvertebrates, zoobenthos, bioindicators*