

Testate Amoebae (Arcellinida and Euglyphida) of the Rivers Karaagach, Rezovska and Fakijska in Strandzha Mountain (Southeastern Bulgaria)

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Abstract: The taxonomic diversity and ecology of the testate amoebae in the rivers Karaagach, Rezovska and Fakijska in Strandzha Mountain were investigated. Fifty taxa belonging to 20 genera of testate amoebae were recorded in different biotopes of the rivers. It was found that the spread of the typical aquatic representatives of the genera *Centropyxis*, *Diffugia* and *Diffugiella* is the widest. The studies show that among three investigated biotopes, the benthal is characterised by the highest species diversity, whereas in the phytal and mosses the species diversity is smaller. The analysis of the structure of the communities reveals that the species *Trinema enchelys* and *Tr. lineare* have the greatest population density in all biotopes. Two psammobiotic testate amoebae – *Corythionella georgiana* and *Psammonobiotus linearis* were also found. The biometric data about these species, the information for their distribution and photos were presented.

Key words: Testate amoebae, Rivers, Strandzha Mountain, relative abundance, biotopes, *Psammonobiotus linearis*, *Corythionella georgiana*