

The Gastropod Fauna of the Antalya Kırgöz Springs, Turkey

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Aim of the study: This study is aimed to determine Gastropod fauna of the Antalya Kırgöz spring which is very important wetland in Turkey.

Material and Methods: In this study all old works were complied and field study was performed in 2015. Snails were collected on the stones by hand. They preserved in plastic tubes including 80% ethanol. Dissections and measurements of the shells and genital organs were carried out using a stereo microscope (Olympus SZX7) and photographs were taken with a digital camera system (Olympus DP26).

Results: The Lakes region is the hot biodiversity center for lots of groups including freshwater snails. Studies on Gastropods of the Lakes region started by 1960s. We looked at the recent studies, Schütt, (1964) described 4 new species; *Chilopyrgula zilchi*, *Bithynia pseudemmericia*, *Islamia bunarbasa* and *Greacoanatolica pamphylica* from Kırgöz Springs. Later he described (Schütt, 1965), *Theodoxus altenai* as new. In 1973, Radoman described, *Islamia pseudorientalica* and *Islamia anatolica* in Kırgöz springs. Then, Glöer and Yıldırım, (2006) described *Stagnicola tekecus* from Kırgöz with other locality of Isparta. Besides these, Kebapçı and Yıldırım, (2010) recorded *Borysthenia naticina* and *Radix labiata*. Total of 10 species have been described the locality so far. Our field study is verified this data. We found same species on this region. The basin has high endemism. All species are endemic for Turkey except *Borysthenia naticina* and *Radix labiata*. Kırgöz springs in an important speciation center for Gastropod species. Threats on Kırgöz freshwater ecosystem is increasing as in every wetlands. It is thought that there will be more endemic snails here so studies should be continued in this springs before the extinction of the species.

Keywords: kırgöz spring, gastropoda, endemism, Turkey.