

Alburnoides coskuncelebii,
**a new species from the stream Büyük Melen
in north western Anatolia
(Teleostei: Leuciscidae)**

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Alburnoides coskuncelebii, new species, is described from the Büyük Melen River in the Southern Black Sea basin. It is distinguished from other species of *Alburnoides* in the Southern Black Sea basin by having the ventral keel covered with 2–5 scales between the posterior pelvic-fin base and the anus, eye diameter slightly smaller than snout length and interorbital distance, 47–54 total lateral-line scales, 9–11 scale rows between dorsal-fin origin and lateral line, 4–5 scale rows between anal-fin origin and lateral line, 13½–15½ branched anal-fin rays, 40–42 total vertebrae, 13–15 predorsal vertebrae, and 6–9 gill rakers. *Alburnoides coskuncelebii* is also distinguished from its closest relative, *A. tzanevi*, by having nine diagnostic nucleotide substitutions in the mitochondrial DNA 16S rRNA gene.

Introduction

The spirlins of the genus *Alburnoides* are widespread from France to Central Asia (Kottelat & Freyhof, 2007). Populations of the Turkish Black Sea basin were recently studied by Turan et al. (2017) who recognized five species: *Alburnoides fasciatus* from the Northeastern Black Sea basin in Turkey, Georgia and Russia, *A. kurui* from tributaries of the Yeşilırmak River, *A. freyhofi* from tributaries of the Kızılırmak River, *A. koss-wigi* from tributaries of the Sakarya River, and *A. tzanevi* from small streams in Thrace and adjacent Anatolia. Here, we describe an additional unnamed species from the Büyük Melen, a catchment situated between the Sakarya and Kızılırmak

rivers. As well, we identify the population from streams in İzmit Province as *A. tzanevi*.

Materials and methods

Fish were caught by pulsed DC electro-fishing equipment and killed by over anaesthetization, fixed in 10 % formaldehyde and stored in 4 % formaldehyde. Measurements were made with a dial caliper and recorded to 0.1 mm. All measurements are made point to point, never by projections. Counts and measurements follow Turan et al. (2016). Lateral line scale count includes scales on the caudal-fin base. The last two branched dorsal- and anal-fin rays articulating on a single

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