

Turkish Journal of Zoology

Turkish Journal
of
Zoology

The Morphology, Taxonomy, and Distribution of Specimens of *Darevskia clarkorum* (Sauria: Lacertidae: *Darevskia*) Collected from Turkey's Eastern Black Sea Region

Çetin ILGAZ

Dokuz Eylül University, Fauna and Flora Research and Application Center, Buca, İzmir - TURKEY



Abstract: In all, 103 specimens of Clark's lizard, *Darevskia clarkorum* (Darevsky and Vedmederja, 1977), from 6 localities in the eastern Black Sea region of Turkey were examined in terms of pholidosis characteristics, morphometric measurements, and color and pattern features. Kolmogorov-Smirnov testing across all populations verified sexual dimorphism in the Ortacalar and Hemşin populations, regarding transversal series of ventral plates ($P < 0.05$). According to the Mann-Whitney U test, 16 pholidosis characteristics showed differences among the populations ($P < 0.05$). For comparison of morphometric measurements, 4 morphometric indices and ratios were developed. According to the results of independent t-testing, no differences were found between males and females among the populations. One-way variance analyses based on 4 morphometric indices and ratios confirmed that head index, snout-vent length/tail length, and tail length/total body length showed differences among the populations ($P < 0.05$). Regarding pholidosis characteristics (except rates of the presence of a masseteric plate and contact between the rostral and internasal plate), morphometric measurements, and color and pattern features, the specimens collected from 6 different localities were similar to *D. clarkorum* specimens mentioned in the literature. Furthermore, the known range of the species in Turkey has been extended.

Key Words: Reptilia, *Darevskia clarkorum*, Black Sea region, morphology, distribution

Turk. J. Zool., **31**, (2007), 325-336.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Zool., vol.31, iss.4.](#)

 [Keywords](#)
 [Authors](#)



zool@tubitak.gov.tr

[Scientific Journals Home
Page](#)