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## ***Hydrochus ibericus* and *Hydrochus nodulifer*, Two New Records for the Hydrochidae (Coleoptera) Fauna of Turkey**

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**Abstract:** This study reports the first occurrence of *Hydrochus ibericus* Valladares, Diaz, and Delgado, 1999, and *Hydrochus nodulifer* Reitter, 1897 from Turkey.

**Key Words:** *Hydrochus ibericus*, *Hydrochus nodulifer*, new records, Hydrochidae, Coleoptera, Turkey

### ***Hydrochus ibericus* ve *Hydrochus nodulifer*, Türkiye Hydrochidae (Coleoptera) Faunası İçin İki Yeni Kayıt**

**Özet:** Bu çalışma ile *Hydrochus ibericus* Valladares, Diaz and Delgado, 1999 ve *Hydrochus nodulifer* Reitter, 1897 türleri Türkiye'den ilk olarak kayıt edilmiştir.

**Anahtar Sözcükler:** *Hydrochus ibericus*, *Hydrochus nodulifer*, yeni kayıt, Hydrochidae, Coleoptera, Türkiye

Hydrochidae is a rather small family comprising only 1 genus and is represented in all the major zoogeographical regions (Angus, 1977; Hansen, 1987, 1991, 1999; İncekara et al., 2004). About 22 species are known from the Palearctic region (Hansen, 1999). To date, only 4 *Hydrochus* species (*H. megaphallus*, *H. ignicollis*, *H. brevis*, and *H. flavipennis* Küster, 1852) have been recorded from Turkey (Hansen, 1991, 1999; İncekara et al., 2004; Makhan, 2005).

The samples were collected by means of a sieve, ladle, and net with 1 mm pores from shallow areas of various springs, streams, brackish water, and ponds in various locations of the country. The beetles were killed using ethyl acetate or 70% alcohol solution. Materials were

deposited in the Zoological Museum, Atatürk University, Erzurum, Turkey.

***Hydrochus ibericus*** Valladares, Diaz and Delgado, 1999

**Material examined:** Bingöl: 1♂, Kızıyaylası, 21.VIII.2003.

**Distribution:** Spain (Valladares et al., 1999; Löbl and Smetana, 2004).

**Remarks:** *Hydrochus ibericus* was recently described by Valladares et al. (1999) from Spain. Although they reported that it is an endemic species for the Iberian Peninsula we recorded it from Turkey. It is new for the Turkish fauna as well as the Asian Continent. With the

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present study its distribution extends to eastern Anatolia (Turkey). For the time being, Bingöl Province is the easternmost distribution point of this species.

*Hydrochus nodulifer* Reitter, 1897

**Material examined:** Bayburt: 1♂, 2♀♀, Akduran, 27.VIII.2007; 1♂, Kop Geçidi, 20. IX.2007; 1♂, Değirmencik, 20.IX.2007. Gümüşhane: 2♂♂, Ünlüpınar Yaylası, Kelkit, 31.VIII.2007. Ordu: 1♂, Dayılı, Mesudiye, 28.IX.2007.

**Distribution:** Azerbaijan (Shatrovskiy, 1993; Löbl and Smetana, 2004).

**Remarks:** *Hydrochus nodulifer* Reitter, 1897, introduced to science by Reitter, is only known from

Azerbaijan. It is a new record for the Turkish fauna. Its distribution extends from Azerbaijan to eastern Anatolia and the Black Sea region.

Turkey is a large country with distinctly different geographical regions and climates; the number of *Hydrochus* species is expected to be much higher than recorded to date. The present study adds 2 new species to the Turkish fauna and increases the *Hydrochus* species occurring in Turkey to 6.

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