

New records of Staphylinidae from Turkey, Syria, and Iran (Insecta: Coleoptera)

Sinan ANLAŞ*, Önder DEVECİ

Department of Biology, Faculty of Sciences, Ege University, 35100 Bornova, İzmir - TURKEY

Received: 12.01.2009

Abstract: Additional records of Staphylinidae species from Turkey, Syria, and Iran are presented, including the first country records of *Proteinus laevigatus* Hochhuth, 1872 from Turkey, *Astenus melanurus* (Küster, 1853), and *Luzea nigrigula* (Kraatz, 1857) from Syria, and *Astenus procerus* (Gravenhorst, 1806) from Iran.

Key words: Staphylinidae, new records, Turkey, Syria, Iran

Türkiye, Suriye ve İran Staphylinidae (Insecta: Coleoptera) faunasına ait yeni kayıtlar

Özet: Bu çalışmada, Türkiye, Suriye ve İrandan Staphylinidae familyasına ait ek kayıtlar sunulmuş olup, bunlardan *Proteinus laevigatus* Hochhuth, 1872 Türkiye, *Astenus melanurus* (Küster, 1853) ve *Luzea nigrigula* (Kraatz, 1857) Suriye, *Astenus procerus* (Gravenhorst, 1806) ise İran için ilk kayıt niteliğindedir.

Anahtar sözcükler: Staphylinidae, yeni kayıtlar, Türkiye, Suriye, İran

The Staphylinidae is most diverse family of the order Coleoptera, comprising about 57,000 species belonging to 33 subfamilies in all zoogeographical regions of the world (Herman, 2001; Newton, 2007; and updated to the end of 2009 from unpublished Newton database catalog).

Compared to most other regions of the Western Palaearctic, the current knowledge of the staphylinid fauna of Turkey, Syria, and Iran is still poor. So far, 1600 species and subspecies of Staphylinidae have been recorded from Turkey (Anlaş, 2007, 2009). According to the catalogue by Löbl and Smetana (2004) and Anlaş and Newton (2010), 594 species

from Iran and about 200 species from Syria are hitherto known.

The main aim of the study was to contribute to the knowledge of the fauna of Staphylinidae of Turkey, Syria, and Iran.

The present paper is based on material collected during recent field studies in Turkey, Syria, and Iran.

The material referred to in this study is deposited in the following collections:

LEMTLodos Entomological Museum,
İzmir (S. Tezcan)

* E-mail: sinan.anlas@gmail.com

cAnl author's private collection

cGha..... private collection Hassan Ghahari,

Tehran

cYag..... private collection Ersen Aydın Yağmur,

İzmir

Species list

Proteinus laevigatus Hochhuth, 1872

Material examined: **Turkey:** Bursa, Uludağ, Aynalı Gölü 2310 m, 40°04'13"N, 29°14'01"E, 2 exs., 30.VIII.2008, leg. H. Koç, det. S. Anlaş / A. Zanetti (LEMT, cAnl).

Distribution in the world: Europe, Russia, Turkmenistan (Herman, 2001; Löbl and Smetana, 2004).

Remarks: The species is here reported from Turkey for the first time.

Bledius unicornis (Germar, 1825)

Material examined: **Turkey:** Tunceli, Pertek, Singeç creek, 1200 m, 38°54'44"N, 39°15'01"E, 2 exs., 14.IX.2007, leg. S. Anlaş and E. Yağmur, det. S. Anlaş (cAnl, cYag).

Distribution in the world: According to Herman (2001) and Löbl and Smetana (2004), this species is widespread in the Western Palaearctic region and is recorded from the Afrotropical region too.

Remarks: In Turkey, the species was previously known only from Adana province (Smetana, 1967; Anlaş, 2009).

Astenus melanurus (Küster, 1853)

Material examined: **Syria:** Hama, 3 exs., 12.IV.2007, leg. A. Gahani, det. S. Anlaş (cAnl).

Distribution in the world: Southern Europe, Northern Africa, Cyprus, Iran, Turkey, and also Afrotropical and Oriental regions (Löbl and Smetana, 2004; Anlaş and Çevik, 2008).

Remarks: The species is reported here from Syria for the first time.

Astenus procerus (Gravenhorst, 1806)

Material examined: **Iran:** Mazandaran, Ghaemshahr, 1 ex., IX. 2006, leg. H. Ghahari, det. S. Anlaş (cGha). **Turkey:** Gaziantep, Islahiye, Kabaklar,

835 m, 37°01'56"N, 36°33'44"E, 2 exs., 22.III.2008, leg. E. Yağmur, det. S. Anlaş (cAnl, cYag).

Distribution in the world: Europe, Algeria, Egypt, Morocco, Cyprus, Turkey, Tajikistan, and Uzbekistan (Löbl and Smetana, 2004; Anlaş and Çevik, 2008).

Remarks: The species is reported here from Iran for the first time.

Lithocharis ochracea (Gravenhorst, 1802)

Material examined: **Turkey:** Gaziantep, Şahinbey, Çimenli, 1 ex., 17.III.2007, leg. E. Yağmur, det. S. Anlaş (cYag).

Distribution in the world: According to Löbl and Smetana (2004), this species is widespread in the world.

Remarks: This recently recorded species had been known only from Hatay province in Turkey (Anlaş and Rose, 2009).

Luzea nigritula (Kraatz, 1857)

Material examined: **Syria:** Latakia, 1 ex., 04.III.2007, leg. A. Gahani, det. S. Anlaş (cAnl).

Distribution in the world: Southern and Eastern Europe, Northern Africa, Iran, Lebanon, and Turkey (Coiffait, 1984; Löbl and Smetana, 2004; Assing, 2006).

Remarks: The species is reported here from Syria for the first time.

Scopaeus azerbaijzhanus Gusarov, 1994

Material examined: **Iran:** Mazandaran, Savadkooh, 1 ex., VII. 2006, leg. H. Ghahari, det. J. Frisch (cGha).

Distribution in the world: Azerbaijan, Iran (Löbl and Smetana, 2004).

Remarks: The species was previously known from Tehran and Mazandaran provinces in Iran (Frisch, 2006; Anlaş and Newton, 2010).

Acknowledgments

We are most grateful to the colleagues indicated in the material section for the loan and gift of material, and to Dr. Johannes Frisch (Berlin, Germany) and Adriano Zanetti (Verona, Italy) for identifications/confirmations, respectively, of parts of the material.

References

- Anlaş, S. 2007. The present situation of the Staphylinidae fauna of Turkey (Coleoptera). *Linzer Biol. Beitr.* 39(1): 5-9.
- Anlaş, S. 2009. Distributional checklist of the Staphylinidae (Insecta, Coleoptera) of Turkey, with new and additional records. *Linzer Biol. Beitr.* 41(1): 215-342.
- Anlaş, S. and Çevik, I.E. 2008. Faunistic studies on the species of Paederinae (Coleoptera: Staphylinidae) in Manisa, Turkey. *Munis Entomology & Zoology* 3(2): 665-674.
- Anlaş, S. and Rose, A. 2009. New records of Paederinae (Coleoptera: Staphylinidae) from Turkey. *Acta Zoologica Bulgarica* 61(2): 209-213.
- Anlaş, S. and Newton, A.F. 2010. Distributional checklist of the Staphylinidae (Insecta, Coleoptera) of Iran, with new and additional records. *Linzer Biol. Beitr.* 42(1): (in press).
- Assing, V. 2006. New species and records of Staphylinidae from Turkey IV, with six new synonymies (Coleoptera: Staphylinidae). *Koleopterologische Rundschau* 76: 223-276.
- Coiffait, H. 1984. Coléoptères staphylinides de la région paléarctique occidentale V. Sous famille Paederinae, Tribu Paederini 2. Sous famille Euaesthetinae. *Nouvelle Revue d'Entomologie. Supplément.* 8(5): 1-424.
- Frisch, J. 2006. The genus *Scopaeus* (Coleoptera: Staphylinidae, Paederinae) in Iran, with description of new species from Zagros Mountains. *Mitt. Mus. Nat. kd. Berl., Dtsch. Entomol. Z.* 53: 5-22.
- Herman, L.H. 2001. Catalog of the Staphylinidae (Insecta: Coleoptera). 1758 to the end of the second millennium. Volumes I-VII. *Bulletin of the American Museum of Natural History* 265: 1-4218.
- Löbl, I. and Smetana, A. 2004. Catalogue of Palaearctic Coleoptera. II. Hydrophiloidea-Histeroidea-Staphyloidea. Apollo books, Stenstrup, 924 pp.
- Newton, A.F. 2007. Documenting biodiversity: how well are we doing in Staphyliniformia? (Coleoptera). Entomological Society of America poster presentation D0471 (available (ESA members only) at http://esa.confex.com/esa/2007/techprogram/paper_32168.htm).
- Smetana, A. 1967. Wissenschaftliches Ergebnis der zoologischen Expedition des Nationalmuseum in Prag nach der Türkei. Coleoptera-Staphylinidae, Subfam. Oxytelinae. *Acta Entomologica Musei Nationalis Pragae* 37: 297-324.