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The present situation of the Staphylinidae fauna of Turkey (Coleoptera)

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A b s t r a c t : In this study, the present situation of Staphylinidae species of Turkey is evaluated. Including the new taxa determined, a total of 1520 species and subspecies belonging to 246 genera have been recorded up to now. 477 species and subspecies (31 %) are distributed only in Turkey. Six species are reported from Turkey for the first time.

K e y w o r d s : Coleoptera, Staphylinidae, fauna, new records, Turkey.

Introduction

Turkey is one of the most interesting countries in terms of staphylinid taxonomy and biogeography. The Turkish fauna comprises most of the staphylinid subfamilies occurring the Palaearctic region and includes Mediterranean, Middle Asian and southwest Asian species. Compared to other regions of the Western Palaearctic region, the staphylinid fauna of Turkey has been poorly studied.

The information on Turkish Staphylinidae is spread in many small articles. All that is currently known is contained in some old taxonomic works, regional species list, recent revisions, species descriptions and summaries of the results of individual field trips.

Whereas J. SAHLBERG (1913) reported 60 staphylinid species from especially Yamanlar and Baba Dağı Mountains (Western Anatolia) in his *Coleoptera Mediterranea orientalia*, WINKLER (1925) listed 82 species from Turkey. BERNHAUER & SCHUBERT (1910, 1911, 1912, 1914, 1916) reported 48 species, BERNHAUER & SCHEERPELTZ (1926) gave 33 species and SCHEERPELTZ (1933, 1934) indicated 73 species. ÖNCÜER (1991) listed 71 species in a catalogue of the parasites and predators of insect pests of Turkey. According to LODOS (1989), it is estimated that there are nearly 1.000 staphylinid species in Turkey.

The recent world species catalog of Staphylinidae lists 563 species from Turkey (HERMAN 2001), but it does not contain the subfamilies Aleocharinae, Paederinae, Pselaphinae and Scaphidiinae. The Catalogue of Palaearctic Coleoptera reports 1.112 species from Turkey (LÖBL & SMETANA 2004). This catalog does not include species which described after 2001. 181 new species and numerous described species were reported as new records and synonyms from Turkey between 2002 and 2007. At the same time, some of the previous records were corrected owing to changes in the political borders. Some important faunistic studies on the staphylinid beetles of Turkey have been

conducted by ASSING (2002, 2003a, 2003b, 2004a, 2004b, 2004c, 2004d, 2005a, 2005b, 2005c, 2005d, 2005e, 2005f, 2006a, 2006b, 2006c, in press a, in press b), ASSING & SCHULKE (2002), BORDONI (2003, 2004), FRISCH (2002), PACE (2004), SCHULKE (2003), SOLODOVNIKOV (2002), ZANETTI (2002) between 2002 and 2007.

In this study, the present situation of the staphylinid fauna of Turkey is evaluated. Including the new records listed below, a total of 1520 species and subspecies belonging to 246 genera have been reported up to now. 477 species and subspecies (31 %) are distributed only in Turkey.

The material examined is deposited in the following collections

ZDEU-Ent..... Zoology Department of Ege University, Entomology Museum, Izmir (B. Keskin)
 cAnl..... author's private collection
 cAci..... private collection A. Acim (Tunceli)

New records of Staphylinidae from Turkey

Anotylus politus (ERICHSON 1840)

Material examined: **Turkey:** Manisa, Turgutlu, Dağmarmara, 970 m., 2 ex., 14.V.2004 and 3 ex., 26.V.2004 leg. and det. S. Anlaş 2006 (cAnl).

Distribution in the world: Austria, Greece, Hungary, Latvia, Poland, Romania, Slovakia (LÖBL & SMETANA 2004).

Ischnopoda umbratica (ERICHSON 1837)

Material examined: **Turkey:** Manisa, Turgutlu, Çıkrıkçı river banks, 1 ex., 03.V.2005 and 2 ex., 26.V.2005 leg. and det. S. Anlaş 2006 (cAnl).

Distribution in the world: The species is widespread in the Palaearctic region. The distribution ranges from Spain in the west to the Ob river in the east (PAŠNIK 2006).

Gabrius astutoides (A. STRAND 1946)

Material examined: **Turkey:** Muğla, Fethiye, Girdev Yaylası, 1 ex., 14.VIII.2005 leg. Yağmur, det. Schillhammer 2006 (cAnl).

Distribution in the world: Europe, Canada, USA (HERMAN 2001).

Myllaena intermedia ERICHSON 1837

Material examined: **Turkey:** Manisa, Turgutlu, Çıkrıkçı river banks, 1 ex., 02.VI.2005 leg. Anlaş, det. Wunderle 2005 (ZDEU-Ent); Çatalköprü river banks, 2 ex., 30.VI.2005 leg. and det. Anlaş 2005 (cAnl).

Distribution in the world: According to LÖBL & SMETANA (2004), this species is widespread in the western Palaearctic region and is recorded from the Australian region, too.

***Philonthus rotundicollis* MÈNÈTRIÈS 1832**

Material examined: **Turkey:** Gaziantep, Şahinbey, Sof Dağı, 1200 m., 1 ex., 09.IV.2005 leg. Yağmur, det. Anlaş 2006 (cAnl).

Distribution in the world: The species is distributed Europe, Russia, Caucasus, Iran, Turkmenistan, Kazakhstan, Uzbekistan, Afghanistan, Pakistan, Mongolia, China and Japan (HERMAN 2001).

***Platystethus nodifrons* MANNERHEIM 1830**

Material examined: **Turkey:** Tunceli, Hozat, 2 ex., 22.VI.2003 leg. Acim, det. Anlaş 2006 (cAci).

Distribution in the world: Europe, Russia, Caucasus (HERMAN 2001).

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Zusammenfassung

In vorliegender Arbeit wird der Erfassungsstand der türkischen Staphylinidae diskutiert. Einschließlich von sechs Arten, die hier erstmalig für die Türkei vorgestellt werden, sind nunmehr 1520 Arten bzw. Unterarten aus 246 Gattungen aus der Türkei bekannt, davon 477 Arten (31 %), die bisher nur aus diesem Lande nachgewiesen wurden.

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