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**Annotated catalogue of Enicocephalomorpha,  
Dipsocoromorpha, Nepomorpha, Gerromorpha,  
and Leptopodomorpha (Hemiptera: Heteroptera) of Turkey,  
with new records**

MERAL FENT<sup>1</sup>, PETR KMENT<sup>2</sup>, BELGİN ÇAMUR-ELİPEK<sup>1</sup> & TİMUR KIRGIZ<sup>1</sup>

<sup>1</sup>Trakya University, Faculty of Science, Department of Biology, 22030 Edirne, Turkey.

E-mails: m\_fent@hotmail.com; belgincamur@yahoo.com; timurk@trakya.edu.tr

<sup>2</sup>Department of Entomology, National Museum, Kunratice 1, CZ-148 00 Praha 4, Czech Republic.

E-mail: sigara@post.cz



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e-mail: [zootaxa@mapress.com](mailto:zootaxa@mapress.com)

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## Abstract

An annotated check-list of the aquatic and semi-aquatic bugs of the infraorders Enicocephalomorpha, Dipsocoromorpha, Nepomorpha, Gerromorpha, and Leptopodomorpha of Turkey and its geographical parts (Turkish Thrace [i.e., European Turkey] and Anatolia [i.e., the Asian Turkey]) is presented. The nomenclatoric history of *Alpagut Kıyak*, 1995 (= *Harpago* Linnavuori, 1951, = *Raunocoris* Baena & Alonso-Zarazaga, 2009) is reviewed, its gender is fixed, and two new combinations are proposed: *Alpagut maroccanus* (Wagner, 1960) **comb. nov.**, and *Alpagut medius* (Rey, 1888) **comb. nov.** The list is based on a survey of all published records as well as on examination of collection material, including recent material collected in the poorly explored Turkish Thrace. The following numbers of species are accepted as occurring in Turkey: Enicocephalomorpha—1 species (Asian Turkey only), Dipsocoromorpha—2 species (Asian Turkey only), Nepomorpha—49 species (29 in European and 47 in Asian Turkey), Gerromorpha—27 species (10 in European and 25 in Asian Turkey), and Leptopodomorpha—21 species (6 in European and 20 in Asian Turkey). Forty species are known from both European and Asian Turkey, whereas 5 are recorded only from European Turkey and 55 only from Asian Turkey. Eight species and subspecies, *Micronecta scholtzi* (Fieber, 1860), *Hesperocorixa sahlbergi* (Fieber, 1848), *Sigara iranica* Lindberg, 1964, *Hebrus ruficeps* Thomson, 1871, *Velia affinis filippii* Tamanini, 1947, *Velia rhadamantha rhadamantha* Hoberlandt, 1941, *Gerris kabaishanus* Linnavuori, 1998, and *Saldula pilosella pilosella* (Thomson, 1871), are reported from Turkey for the first time; and four species, *Sigara scripta* (Rambur, 1840), *Corixa punctata* (Illiger, 1807), *C. panzeri* (Fieber, 1848), and *Gerris argentatus* Schummel, 1832, are new records for Turkish Thrace. First exact localities of several other species are provided as well. Three species, *Sigara kervillei* (Poisson, 1927), *Microvelia hozari* Hoberlandt, 1952, and *Velia mariae* Tamanini, 1971, seem to be endemic to Anatolia; 22 species occur only in Turkey and the adjacent regions (Balkan Peninsula, Cyprus, Near East, Iran, and Transcaucasia). The 75 remaining species have a wider distribution. Occurrences of 10 species, previously recorded from Turkey, need further confirmation. Finally, 19 species-group taxa are excluded from Turkish fauna as they are based on proven or suspected misidentifications or taxonomic confusion: *Micronecta minutissima* (Linnaeus, 1758), *Cymatia bonsdorffii* (C. R. Sahlberg, 1819), *Arctocorisa carinata carinata* (C. R. Sahlberg, 1819), *Callicorixa praeusta praeusta* (Fieber, 1848), *Hesperocorixa castanea* (Thomson, 1869), *Hesperocorixa occulta* (Lundblad, 1929), *Sigara hoggarica* Poisson, 1929, *Sigara scotti* (Douglas & Scott, 1868), *Heleocoris minusculus* (Walker, 1870), *Anisops debilis canariensis* Noualhier, 1893, *Velia caprai caprai* Tamanini, 1947, *Aquarius najas* (De Geer, 1773), *Gerris costae costae* (Herrich-Schaeffer, 1850), *G. gibbifer* Schummel, 1832, *G. lateralis* Schummel, 1832, *Saldula fucicola* (Sahlberg, 1870), *S. pilosella hirsuta* (Reuter, 1888), *Salda morio* Zetterstedt, 1838, and *S. muelleri* (Gmelin, 1790). In addition, first records of *Aquarius ventralis* (Fieber, 1860) from Syria, and *Saldula melanoscela* (Fieber, 1859) and *Leptopus marmoratus* (Goeze, 1778) from Lebanon, are provided. The previously published records of *Rhagovelia nigricans nigricans* (Burmeister, 1835) from Cyprus and Israel (Hoberlandt 1952b) belong to *R. infernalis africana* Lundblad, 1936.

**Key words:** Heteroptera, Turkey, Anatolia, Turkish Thrace, inland water, aquatic and semi-aquatic insects, check-list, faunistics

**Özet.** Bu çalışmada Türkiye’de bulunan sucul ve yarı sucul Heteropterlerin Enicocephalomorpha, Dipsocoromorpha, Nepomorpha, Gerromorpha ve Leptopodomorpha infraordolarına ait ayrıntılı bir liste hem ülke hem de coğrafik bölgeler bazında (Trakya Bölgesi ve Anadolu) verilmiştir. *Alpagut Kıyak*, 1995 (= *Harpago* Linnavuori, 1951, = *Raunocoris* Baena & Alonso-Zarazaga, 2009)’in isimlendirme geçmişi yeniden ele alınarak geçerli bir altcins olarak kabul edilmiş ve *Alpagut maroccanus* (Wagner, 1960) **comb. nov.**, ve *Alpagut medius* (Rey, 1888) **comb. nov.** olmak üzere iki yeni kombinasyon önerilmiştir. Sözkonusu çalışma şimdiye kadarki tüm yayınlanmış kayıtlara ve çok iyi araştırılmamış Türkiye Trakya’sından son zamanlarda toplanmış materyalleri de içeren koleksiyon materyali incelemelerine dayanmaktadır. Türkiye’de şimdiye kadarki tespit edilmiş tür sayıları infraordolara göre şu şekildedir: Enicocephalomorpha—1 tür (sadece Anadolu’da),