

## A LIST OF HETEROPTERA SPECIES REPORTED FROM *ASTRAGALUS* SPP. IN TURKEY

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**[Kiyak, S. 2019. A list of Heteroptera species reported from *Astragalus* spp. in Turkey. Munis Entomology & Zoology, 14 (2): 565-567]**

**ABSTRACT:** In this study, 61 species inhabiting on *Astragalus* as a hostplant, of 14 families in Heteroptera from Turkey are recorded.

**KEY WORDS:** Heteroptera, hostplant, *Astragalus*, Turkey

The aim of this study is presented a list of previously reported Turkish terrestrial Heteroptera species inhabiting on *Astragalus* spp. in Turkey according to the previous literatures as Hoberlandt (1955), Seidenstücker (1958, 1960), Wagner (1973), Aysev (1974), Lodos & Önder (1980), Çakır & Önder (1990), Pehlivan (1981), Çakır (1988), Kiyak (1990, 1993), Abbas (1990), Yardım (1990), Çağlar (1992), Boz (1992). Thus, 61 heteropteran species inhabiting on *Astragalus* as a hostplant, of 14 families from Turkey are determined with this work. 7 species of Miridae, 1 species of Anthocoridae, 3 species of Reduviidae, 1 species of Nabidae, 1 species of Tingidae, 1 species of Aradidae, 2 species of Coreidae, 1 species of Stenocephalidae, 1 species of Alydidae, 3 species of Rhopalidae, 16 species of Lygaeidae, 21 species of Pentatomidae, 3 species of Cydnidae, 1 species of Plataspidae are recorded.

All species are given into a list in the following table.

### **List of Heteroptera species inhabiting on *Astragalus* in Turkey**

<b>Familia/ Species</b>	<b>Host plant (s)</b>	<b>Cited Literature (s)</b>
<b>MIRIDAE</b>		
<i>Aelphocoria lineolatus</i> (Gz., 1778)	<i>A. microcephalus</i>	Çağlar, 1992
<i>Capsodes cingulatus</i> (F., 1787)	<i>A. microcephalus</i>	Çağlar, 1992
<i>Dimorphocoris distylus</i> Sdst, 1964	<i>A. microcephalus</i>	Çağlar, 1992
<i>Globiceps astragali</i> Sdst, 1964	<i>Astragalus</i> sp.	Wagner, 1973
<i>Globiceps genistae</i> Sdst, 1971	<i>Astragalus</i> sp.	Wagner, 1973
<i>Notostira erratica</i> (L., 1758)	<i>Astragalus</i> sp.	Yardım, 1990
<i>Systemonotus putoni</i> Reuter, 1890	<i>Astragalus</i> sp.	Hoberlandt, 1955
<b>ANTHOCORIDAE</b>		
<i>Anthocoris nemoralis</i> (F., 1794)	<i>Astragalus</i> sp.	Hoberlandt, 1955
<b>REDUVIIDAE</b>		
<i>Coranus tuberculifer</i> Rt., 1881	<i>Astragalus</i> sp.	Boz, 1992
<i>Phymata crassipes</i> (F., 1775)	<i>A. microcephalus</i>	Çağlar, 1992
<b>NABIDAE</b>		
<i>Nabis pseudoferus</i> Rm., 1949	<i>A. microcephalus</i>	Çağlar, 1992
<b>TINGIDAE</b>		
<i>Galeatus scrophicus</i> Sd., 1876	<i>Astragalus</i> sp.	Hoberlandt, 1955
<b>ARADIDAE</b>		
<i>Aradus muricatus</i> Hm., 1827	<i>Astragalus</i> sp.	Seidenstücker, 1958
<b>COREIDAE</b>		
<i>Coriomeris planicornis</i> Lnd., 1923	<i>Astragalus</i> sp.	Kiyak, 1990
<i>Coriomeris spinolai</i> (C., 1847)	<i>Astragalus</i> sp.	Kiyak, 1990

**ALYDIDAE**

*Camptopus tragacanthae* (Klt., 1845) *A. microcephalus*, Kıyak, 1993; Çağlar, 1992;  
*Astragalus* sp. Pehlivan, 1981

**STENOCEPHALIDAE**

*Dicranocephalus agilis* ssp. *agilis* *A. microcephalus* Çağlar, 1992  
(Scop., 1763)

**RHOPALIDAE**

*Chorosoma schillingi* (Schl., 1829) *Astragalus* sp. Pehlivan, 1981  
*Rhopalus parumpunctatus* Schl., 1829 *Astragalus* sp., *A. microcephalus* Kıyak, 1990; Çağlar, 1992

*Rhopalus rufus* Schl., 1829 *A. microcephalus* Çağlar, 1992

**LYGAEIDAE**

*Emblethis brachipterus* Lnn., 1953 *Astragalus* sp. Kıyak, 1990  
*Emblethis brachynotus* Hv., 1897 *Astragalus* sp. Hoberlandt, 1955  
*Geocoris grylloides* (L., 1758) *Astragalus* sp., *A. microcephalus* Çakır & Önder, 1990;  
*A. microcephalus* Çağlar, 1992  
*Geocoris.lineola* (Rb., 1842) *A. microcephalus*, *Astragalus* sp. Çağlar, 1992; Çakır, 1988  
*Astragalus* sp. Çakır, 1988  
*Geocoris megacephalus* (R., 1790) *Astragalus* sp. Çağlar, 1992  
*Henestaris laticeps* (Ct., 1836) *A. microcephalus* Kıyak, 1990  
*Lygaeus equestris* ssp. *equestris* (L., 1758) *Astragalus* sp.

*Lygaeus saxatilis* (Scop., 1763) *A. microcephalus* Çağlar, 1992  
*Macroplax fasciata* ssp. *fasciata* (H.-S., 1835) *Astragalus* sp., *A. microcephalus* Aysev, 1974; Hoberlandt, 1955; Çağlar, 1992  
*Microplax interrupta* (Fb., 1836) *Astragalus* sp., *A. microcephalus* Hoberlandt, 1955; Çağlar, 1992  
*Astragalus* sp. Hoberlandt, 1955

*Megalonotus prpraetextatus* (H.-S., 1835)

*Nysius graminicola* ssp. *graminicola* Klt., 1845

*Rhyparochromus phoeniceus* (R., 1794) *Astragalus* sp., *A. microcephalus* Kıyak, 1990; Çağlar, 1992

*Rhyparochromus immaculatus* (Ry., 1920) *A. microcephalus* Çağlar, 1992

*Syngnecorisella mayeti* (Pt., 1879) *Astragalus* sp. Seidenstücker, 1958

*Piocoris erythrocephalus* (P. & S., 1825) *Astragalus* sp. Çakır, 1988

**PENTATOMIDAE**

*Agatharchus linea* (K., 1845) *Astragalus* sp. Seidenstücker, 1960

*Aelia henschi* (Mtd., 1886) *Astragalus* sp. Kıyak, 1990

*Aelia rostrata* Boh., 1852 *A. microcephalus* Çağlar, 1992

*Codophila absinthii* (Wgn., 1952) *Astragalus callichorus* Hoberlandt, 1955

*Cnephosa flavomarginata* Jak., 1880 *Astragalus* sp. Kıyak, 1990

*Carpocoris fuscispinus* (Bh., 1851) *Astragalus* sp. Hoberlandt, 1955

*Eurygaster ntegriceps* Pt. 1881 *Astragalus* sp. Abbas, 1990

*Eurygaster maura* (L., 1758) *A. microcephalus*, *Astragalus* sp. Çağlar, 1992; Abbas, 1990

*Graphosoma lineatum* ssp. *italicum* (Ml., 1766) *A. microcephalus* Çağlar, 1992

*Jalla dumosa* (L., 1758) *A. microcephalus* Çağlar, 1992

*Mustha spinosula* (Lef., 1831) *A. microcephalus* Çağlar, 1992

*Odontoscelis fuliginosus* (L., 1761) *Astragalus* sp. Kıyak, 1990

*Odontotarsus karatasensis* Hob., 1956 *Astragalus* sp. Kıyak, 1990

*Odontotarsus purpureo-linneatus* (R., 1790) *A. microcephalus* Çağlar, 1992

*Odontoscelis seminitens* Wgn., 1953 *Astragalus* sp. Hoberlandt, 1955

*Piezodorus lituratus* (F., 1794) *Astragalus* sp. Kıyak, 1990

*Rhombocoris regularis* (H.-S., 1851) *Astragalus* sp. Seidenstücker, 1960

<i>Sciocoris cursitans</i> ssp. <i>cursitans</i> (F., 1794)	<i>Astragalus</i> sp.	Kıyak, 1990; Hoberlandt, 1955
<i>Sciocoris resslı</i> Wgn., 1966	<i>A. microcephalus</i>	Çağlar, 1992
<i>Sciocoris umbrinus</i> (W., 1804)	<i>Astragalus</i> sp.	Hoberlandt, 1955
<i>Sciocoris luteolus</i> Fb., 1861	<i>A. microcephalus</i>	Çağlar, 1992
<b>CYDNIDAE</b>		
<i>Sehirus melanopterus</i> (H.-S., 1885)	<i>A. microcephalus</i>	Çağlar, 1992
<i>Sehirus dubius</i> (Scop., 1763)	<i>Astragalus</i> sp.	Hoberlandt, 1955
<i>Ochetostethus nanus</i> (H.-S., 1834)	<i>Astragalus</i> sp.	Hoberlandt, 1955; Lodos & Önder, 1980
<b>PLATASPIDIDAE</b>		
<i>Coptosoma maurum</i> Vid., 1939	<i>Astragalus</i> sp.	Seidenstücker, 1960

## LITERATURE CITED

- Abbas, H.** 1990. Turkey'deki *Eurygaster* Lap. (Heteroptera: Scutelleridae) Türleri Üzerine Sistematiik Arařtırmalar. Ege Üniversitesi Fen Bilimleri Enstitüsü, Yüksek Lisans Tezi, 95 s., 1990.
- Aysev, N.** 1974. Ege Bölgesinde Lygaeidae Familyası Üzerinde Sistematiik Çalışmalar, Zirai Mücadele ve Zirai Karantina Genel Müdürlüğü Nebat Koruma Müzesi, 1974.
- Boz, E.** 1992. Turkey Harpactorinae (Heteroptera: Reduviidae)faunası üzerinde sistematiik çalışmalar, Ege Üniversitesi Fen Bilimleri Enstitüsü Bitki Koruma Anabilim dalı, Yüksek Lisans Tezi, 116 sayfa, 1992.
- Çağlar, S. S.** 1992. Beynam ormanı ve çevresiyle Çubuk ve çevresi *Hemiptera* komunitesi üzerinde çalışmalar, Doktora Tezi, H. Ü. Fen Bil. Enst., 1992.
- Çakır (Eltez), S.** 1988. Türkiye Geocorinae (Het.: Lygaeidae) Altfamilyası Üzerinde Sistematiik ve Faunistik Arařtırmalar. (Yüksek Lisans Tezi).
- Çakır, S. & Önder, F.** 1990. Turkey Geocorinae (Heteroptera: Lygaeidae) alt familyası üzerinde sistematiik ve faunistik arařtırmalar, Türk Entomol. Derg., 14 (1): 37-52.
- Hoberlandt, L.** 1955. Results of the Zoological Scientific Expedition of the National Museum in Praha to Turkey-18: Hemiptera IV: Terrestrial Hemiptera-Heteroptera of Turkey, Acta Ent. Mus. Nat. Pragae, 3: 274., Prag.
- Kıyak, S.** 1990. Systematisch-Ökologische Untersuchungen Über Die Wanzen (Insecta: Heteroptera) Aus Dem Gebiet Hazar-See, Maden und Ergani -I and -II (Prov. Elazığ), J. Biol. Fac. Sci. Arts Gazi Üniv., 1:43-95; J. Biol. Fac. Sci. Arts Gazi Üniv., -II: 1:97-144s, Ankara.
- Kıyak, S.** 1993. Über terrestrische Wanzenarten Von Soğuksu National Park, Priamus. 6 (3/4): 131-156.
- Lodos, N. & Önder, F.** 1980. Türkiye Pentatomidae (Heteroptera) üst familyası üzerine arařtırmalar III Fam. Cydnidae Billberg. Ege Ün. Ziraat Fak. Yayınları, No: 381: 81, İzmir.
- Pehlivan, E.** 1981. Turkey Stenocephalidae, Rhopalidae ve Alydidae (Heteroptera: Coreodea) faunası üzerinde sistematiik arařtırmalar, Ege Üniv. Ziraat Fak. Yay. No: 410, s. 189, İzmir.
- Seidenstücker, G.** 1958. Anadolu'dan Heteropterler II., İst. Üniv. Fen Fak. Mec., Seri B, C. XXIII, (1-2): 119-129.
- Seidenstücker, G.** 1960. Anadolu'dan Heteropterler III., İst. Üniv. Fen Fak. Mec., Seri B, C. XXV, (3-4): 145-154.
- Wagner, E.** 1973. Die Miridae Hahn, 1831, des Mittelmeerraumes und der Makaronesischen Inseln (Hemiptera, Heteroptera), Teil 3, Ent. Abh. Mus. Tierk. Dresden, (Suppl.), 40: 1-483.
- Yardıı, E. N.** 1990. Turkey Stenodemini (Heteroptera: Miridae: Mirinae) Faunası Üzerine Sistematiik Arařtırmalar, Yüksek Lisans Tezi, Ege Üniv. Fen Bil. Ens. B.t. Bil. Anabilim Dalı, s. 113.