

SOME ADDITIONAL NOTES ON APIONINAE (COLEOPTERA: APIONIDAE) FAUNA OF TURKEY

Serdar Tezcan*, Yusuf Karsavuran* and Esat Pehlivan*

* Department of Plant Protection, Faculty of Agriculture, University of Ege, 35100 Bornova, İzmir/TURKEY. E-mail: serdar.tezcan@gmail.com

[Tezcan, S., Karsavuran, Y. & Pehlivan, E. 2011. Some additional notes on Apioninae (Coleoptera: Apionidae) fauna of Turkey. *Munis Entomology & Zoology*, 6 (2): 893-899]

ABSTRACT: In this paper, some distributional data of 90 species belonging to 11 tribes of Apioninae (Coleoptera: Apionidae) fauna of Turkey housed in the collection of Lodos Entomological Museum, Turkey (LEMT), Ege University, İzmir, Turkey, have been given.

KEY WORDS: Apionidae, Fauna, LEMT, Turkey.

Apionidae fauna of Turkey is quite rich and the studies of Bajtenov & Lodos (1977a,b, 1978a,b, 1980a,b, 1983); Lodos et al. (1978, 2003); Yücel (1991, 1993); Zeren & Yabaş (1984); Hayat et al. (2002) and Pehlivan et al. (2006) have great importance.

In this paper, we would like to evaluate the unpublished Apionidae material of Lodos Entomological Museum, Turkey (LEMT) of Department of Plant Protection, Faculty of Agriculture, Ege University, İzmir, Turkey. Those material have been collected from different localities of Turkey between the years of 1960-1997 by researchers of Plant Protection Department, Faculty of Agriculture, Ege University. Some of them have been published by Prof. Dr. Niyazi Lodos and his colleagues (Lodos et al., 1978; 2003; Pehlivan et al., 2006). Distributional data of some unpublished material have been given in this paper. Those material have been determined by the Late Prof. Dr. Niyazi Lodos and also by Dr. M. S. Bajtenov and Dr. L. Dieckmann. In this paper, classification and nomenclature of Apionidae given by Anonymous (2011) is followed.

RESULTS

APIONINAE

APIONINI

Apion arrogans (Wencker, 1858)

Distribution: Gaziantep (Central province), Mardin (Kızıltepe), Şanlıurfa (Central province-Pınarbaşı). 28 specimens.

Apion cruentatum Walton, 1844

Distribution: Gümüşhane (Kelkit), Sivas (Koyulhisar). 10 specimens.

Apion flavipes Herbst, 1797

Distribution: Adana (Tufanbeyli), Antalya (Finike), Artvin (Borçka), Bitlis (Hizan), İzmir (Ödemiş-Bozdağ), Kahramanmaraş (Göksun), Kayseri (Pınarbaşı), Manisa (Sultanyayla), Muğla (Bodrum, Gelemen), Ordu (Kumru), Samsun (Alaçam, Bafra). 48 specimens.

Apion frumentarium (Linnaeus, 1758)

Distribution: Adıyaman (Central province), Artvin (Borçka), Balıkesir (Kepsut, Manyas), Bilecik (Söğüt), Bitlis (Hizan), Çanakkale (Ayvacık-Küçükkuyu), Diyarbakır (Central province), Erzurum (Şenkaya), İzmir (Bayındır, Bornova, Kemalpaşa), Kütahya (Domaniç), Muğla (Marmaris), Rize (Central province), Sakarya (Taraklı), Samsun (Central province), Tokat (Artova), Trabzon (Akçaabat). 185 specimens.

Apion haematodes (W. Kirby, 1808)

Distribution: Edirne (Central province), İzmir (Ödemiş-Bozdağ), Rize (Central province), Sinop (Gerze). 8 specimens.

***Apion rubens* Stephens, 1839**

Distribution: Edirne (Central province). 1 specimen.

APLEMONINI***Perapion (Perapion) affine* (W. Kirby, 1808)**

Distribution: Bursa (Uludağ), İzmir (Ödemiş-Bozdağ). 2 specimens.

***Perapion (Perapion) hydrolapathi* (Marsham, 1802)**

Distribution: Antalya (Gazipaşa). 6 specimens.

***Perapion (Perapion) oblongum* (Gyllenhal, 1839)**

Distribution: Artvin (Göktaş-Petek). 2 specimens.

***Perapion (Perapion) violaceum* (W. Kirby, 1808)**

Distribution: Bursa (İzmit), Muğla (Bodrum). 6 specimens.

***Phrissotrichum (Phrissotrichum) tubiferum* (Gyllenhal, 1833)**

Distribution: Aydın (Kuşadası), Bartın (Kurucaşile), Bilecik (Central province), Bursa (Yenişehir), Çanakkale (Ezine), İzmir (Balçova), Muğla (Milas, Güllük), Niğde (Central province), Trabzon (Central province). 36 specimens.

ASPIDAPIINI***Alocentron (Alocentron) curvirostre* (Gyllenhal, 1833)**

Distribution: Balıkesir (Bigadiç), Bartın (Ulus), Hatay (Belen, Reyhanlı, Yayladağı), İzmir (Ödemiş-Bozdağ, Selçuk, Tire). Konya (Akşehir), Nevşehir (Central province), Van (Muradiye). 25 specimens.

***Aspidapion (Aspidapion) radiolus* (Marsham, 1802)**

Distribution: İzmir (Bornova), Mardin (Yeşilli), Yozgat (Central province). 12 specimens.

***Aspidapion (Koestlinia) aeneum* (Fabricius, 1775)**

Distribution: Antalya (Central province), Balıkesir (Manyas), Kırklareli (Lüleburgaz), Mardin (Central province, Ömerli), Tekirdağ (Central province). 35 specimens.

CERATAPIINI***Ceratapion (Acanephodus) onopordi* (W. Kirby, 1808)**

Distribution: Afyon (Dinar), Ağrı (Taşlıçay), Artvin (Central province), Aydın (Kuşadası), Diyarbakır (Central province, Silvan), Elazığ (Central province), Erzincan (Çayırılı), Erzurum (Central province), Eskişehir (Mahmudiye), Hakkari (Central province), İzmir (Bornova, Selçuk, Tire), Kayseri (Hacılar), Malatya (Central province), Mardin (Nusaybin), Şanlıurfa (Siverek). 35 specimens.

***Ceratapion (Angustapion) beckeri* (Desbrochers, 1875)**

Distribution: Erzurum (Aşkale), İzmir (Ödemiş-Bozdağ), Mardin (Ömerli). 23 specimens.

***Ceratapion (Angustapion) macrorrhynchum* (Eppelsheim, 1888)**

Distribution: Van (Başkale). 1 specimen.

***Ceratapion (Ceratapion) carduorum* (W. Kirby, 1808)**

Distribution: Amasya (Merzifon), Bilecik (Central province), Elazığ (Central province), Erzincan (Central province), İzmir (Bornova, Menemen, Selçuk), Manisa (Central province), Uşak (Central province). 35 specimens.

***Ceratapion (Echinostroma) basicorne* (Illiger, 1807)**

Distribution: Bingöl (Solhan), Elazığ (Central province). 6 specimens.

***Ceratapion (Echinostroma) penetrans* (Germar, 1817)**

Distribution: Bayburt (Central province). 2 specimens.

***Ceratapion (Echinostroma) scalptum* (Mulsant & Rey, 1858)**

Distribution: Artvin (Central province), Aydın (Kuşadası), Bayburt (Central province), Bolu (Mengen), Diyarbakır (Çüngüş, Ergani, Silvan), Erzincan (Central province, Çağlayan), Eskişehir (Mahmudiye), Gaziantep (İslahiye), Kahramanmaraş (Afşin), Kütahya (Tavşanlı), Mardin (Central province), Muğla (Marmaris), Samsun (Bafra), Siirt (Aydınlı), Sivas (Suşehri), Şanlıurfa (Siverek), Trabzon (Central province), Yozgat (Sarıkaya). 44 specimens.

***Diplapion confluens* (W. Kirby, 1808)**

Distribution: Balıkesir (Kepsut), Bolu (Abant, Akçakoca), Diyarbakır (Silvan), Edirne (Central province), Gaziantep (Oğuzeli), Iğdır (Central province), İzmir (Bornova), Kars

(Central province), Kocaeli (İzmit), Malatya (Central province), Muğla (Bodrum, Fethiye), Muş (Solhan), Sinop (Central province), Şanlıurfa (Siverek), Şırnak (Cizre), Tokat (Central province). 20 specimens.

***Diplapion detritum* (Mulsant & Rey, 1858)**

Distribution: İçel (Gülнар). 1 specimen.

***Omphalapion dispar* (Germar, 1817)**

Distribution: Adana (Pozantı), Gaziantep (Oğuzeli), Hatay (Yayladağı), İzmir (Ödemiş-Bozdağ), Kütahya (Simav), Şanlıurfa (Central province-Akziyaret, Siverek). 10 specimens.

***Omphalapion laevigatum* (Paykull, 1792)**

Distribution: Kütahya (Tavşanlı). 1 specimen.

***Omphalapion hookeri* (Kirby, 1808)**

Distribution: İzmir (Ödemiş-Bozdağ). 9 specimens.

EXAPIINI

***Exapion (Exapion) canescens* (Desbrochers, 1889)**

Distribution: Antalya (Manavgat), Kastamonu (Cide). 2 specimens.

***Exapion (Exapion) corniculatum* (Germar, 1817)**

Distribution: İzmir (Ödemiş, Seferihisar). 3 specimens.

***Exapion (Exapion) winkleri* (Wagner, 1912)**

Distribution: Bolu (Mengen), Kastamonu (Cide), Zonguldak (Çaycuma). 33 specimens.

IXAPIINI

***Trichopterapion holosericeum* (Gyllenhal, 1833)**

Distribution: Artvin (Central province), Kırklareli (Vize), Konya (Hadım), Ordu (Perşembe, Ünye), Samsun (Bafra). 49 specimens.

KALCAPIINI

***Kalcapion croceifemoratum* (Gyllenhal, 1839)**

Distribution: Muğla (Bodrum), Osmaniye (Hasanbeyli). 81 specimens.

***Kalcapion flavifemoratus* (Herbst, 1797)**

Distribution: Aydın (Kuşadası), İzmir (Tire), Manisa (Central province-Suİtanyayla). 10 specimens.

***Kalcapion semivittatum* (Gyllenhal, 1833)**

Distribution: İzmir (Bornova, Çeşme), Muğla (Bodrum), Ordu (Ünye), Trabzon (Akçaabat). 50 specimens.

***Melanapion (Melanapion) minimum* (Herbst, 1797)**

Distribution: Kütahya (Central province). 3 specimens.

***Squamapion atomarium* (W. Kirby, 1808)**

Distribution: Sivas (Süğehri). 4 specimens.

***Squamapion elongatum* (Germar, 1817)**

Distribution: Antalya (Kumluca). 6 specimens.

***Squamapion origani* (Planet, 1918)**

Distribution: Artvin (Borçka). 1 specimen.

***Squamapion phocopus* (Eppelsheim, 1888)**

Distribution: Muş (Solhan). 2 specimens.

***Squamapion jordanianum* (Voss, 1965)**

Distribution: Elazığ (Hazar), Mardin (Nusaybin, Ömerli). 3 specimens.

***Taeniapion rufescens* (Gyllenhal, 1833)**

Distribution: Aydın (Bozdoğan), İzmir (Çeşme). 17 specimens.

***Taeniapion rufulum* (Wencker, 1864)**

Distribution: Antalya (Central province), İzmir (Bornova, Çeşme, Tire). 27 specimens.

***Taeniapion urticarium* (Herbst, 1784)**

Distribution: Antalya (Finike), Artvin (Borçka), Erzurum (Central province), Samsun (Kavak), Trabzon (Akçaabat). 35 specimens.

MALVAPIINI

***Pseudapion malvae* (Fabricius, 1775)**

Distribution: Adana (Central province), Ankara (Şereflikoçhisar), Aydın (Kuşadası), Bitlis (Tatvan), Çanakkale (Gökçeada), Elazığ (Central province), İzmir (Dikili, Kemalpaşa, Mordoğan), Manisa (Gördes), Mardin (Nusaybin), Muğla (Dalaman), Tekirdağ (Şarköy), Uşak (Central province). 102 specimens.

***Pseudapion fulvirostre* (Gyllenhal, 1833)**

Distribution: Muğla (Milas, Güllük). 2 specimens.

***Pseudapion rufirostre* (Fabricius, 1775)**

Distribution: Aydın (Kuşadası), Erzincan (Central province), İzmir (Balçova, Bornova). 9 specimens.

***Rhopalapion longirostre* (Olivier, 1807)**

Distribution: Ağrı (Central province), Bingöl (Solhan), Denizli (Pamukkale), Diyarbakır (Devegeçidi), Elazığ (Central province), İzmir (Buca), Mardin (Central province), Siirt (Aydınlar, Central province), Zonguldak (Ereğli). 47 specimens.

OXYSTOMATINI

***Catapion burdigalense* (Wencker, 1859)**

Distribution: Gaziantep (Central province), Hakkari (Şemdinli), Mardin (Ömerli). 14 specimens.

***Catapion corsicum* (Desbrochers, 1888)**

Distribution: Kastamonu (Taşköprü). 1 specimen.

***Catapion cyanellum* (Desbrochers, 1896)**

Distribution: Hakkari (Şemdinli). 4 specimens.

***Catapion lodosi* Hoffmann, 1954**

Distribution: Gaziantep (Central province), Kütahya (Central province). 2 specimens.

***Catapion pubescens* (W. Kirby, 1811)**

Distribution: Balıkesir (Manyas), Çanakkale (Gökçeada), İzmir (Ödemiş), Siirt (Central province). 4 specimens.

***Catapion seniculus* (W. Kirby, 1808)**

Distribution: Antalya (Central province), Artvin (Borçka, Murgul), Aydın (Söke), Balıkesir (Manyas), Bolu (Abant), Çanakkale (Bayramiç), Diyarbakır (Central province), Erzincan (Central province, Çağlayan), Gaziantep (Oğuzeli), Kayseri (Central province), Manisa (Central province, Sultanya), Samsun (Bafra), Şanlıurfa (Siverek). 57 specimens.

***Catapion curtulum* (Desbrochers, 1870)**

Distribution: İzmir (Ödemiş-Bozdağ, Tire), Muğla (Bodrum), Samsun (Alaçam), Uşak (Central province). 15 specimens.

***Cyanapion (Bothryorrhynchapion) gyllenhalii* (W. Kirby, 1808)**

Distribution: Ağrı (Taşlıçay), Bilecik (Central province), Van (Başkale). 7 specimens.

***Eutrichapion (Cnemapion) gribodoi* (Desbrochers, 1896)**

Distribution: Bursa (Uludağ), İzmir (Beydağ). 5 specimens.

***Eutrichapion (Cnemapion) vorax* (Herbst, 1797)**

Distribution: Aydın (Kuyucak), Balıkesir (Gönen, Manyas), Bursa (Central province), Denizli (Central province), İzmir (Bayındır, Beydağ, Tire), Kahramanmaraş (Göksun), Van (Saray). 36 specimens.

***Eutrichapion (Eutrichapion) viciae* (Paykull, 1800)**

Distribution: Aydın (Kuşadası), Bilecik (Bozüyük), Çorum (Central province), Denizli (Pamukkale), Isparta (Aksu, Eğirdir), İzmir (Bayındır, Bornova-Pınarbaşı, Menderes-Gümüşsu, Balçova-İnciraltı, Kemalpaşa, Tire), Kars (Central province), Kocaeli (İzmit-Central province), Kütahya (Tavşanlı), Sivas (Suşehri), Tekirdağ (Central province). 120 specimens.

***Eutrichapion (Psilocalymma) facetum* (Gyllenhal, 1839)**

Distribution: Adana (Kozan), Ağrı (Central province), Bursa (Central province), Erzincan (Central province), Erzurum (Aşkale), Gaziantep (Oğuzeli), İzmir (Bornova, Kemalpaşa, Tire), Malatya (Central province), Muğla (Yatağan), Samsun (Bafra). 44 specimens.

Eutrichapion (Psilocalymma) punctiger (Paykull, 1792)

Distribution: Aydın (Sultanhisar), Denizli (Central province), Diyarbakır (Central province), Edirne (Central province), Muş (Central province). 13 specimens.

Hemitrichapion (Dimesomyops) pavidum (Germar, 1817)

Distribution: Artvin (Borçka). 1 specimen.

Hemitrichapion (Tinocyba) reflexum (Gyllenhal, 1833)

Distribution: İzmir (Ödemiş-Birgi). 2 specimens.

Hemitrichapion (Tinocyba) insidiosum (Desbrochers, 1875)

Distribution: Bitlis (Çukur). 1 specimen.

Holotrichapion (Apiops) pisi (Fabricius, 1801)

Distribution: Artvin (Central province), Balıkesir (Manyas), Bitlis (Hizan), Bolu (Central province), Diyarbakır (Lice), Hakkari (Yüksekova), İzmir (Balçova, Kemalpaşa, Narlıdere, Ödemiş-Bozdağ, Torbalı), Samsun (Tekkeköy), Uşak (Eşme). 308 specimens.

Holotrichapion (Apiops) pullum (Gyllenhal, 1833)

Distribution: Aksaray (Ortaköy), Batman (Kozluk), Diyarbakır (Central province), Erzincan (Çayırılı, Tercan), Erzurum (Central province), Kayseri (Central province), Malatya (Central province), Mardin (Ömerli), Muğla (Köyceğiz), Muş (Hasköy), Osmaniye (Hasanbeyli), Samsun (Central province), Şanlıurfa (Siverek), Tunceli (Central province). 102 specimens.

Holotrichapion (Legaricapion) gracilicolle (Gyllenhal, 1839)

Distribution: İzmir (Ödemiş-Bozdağ), Manisa (Central province, Sultanyayla). 5 specimens.

Loborhynchapion amethystinum (Miller, 1857)

Distribution: Bolu (Abant). 1 specimen.

Oxystoma cerdo (Gerstaecker, 1854)

Distribution: Çorum (Central province). 2 specimens.

Oxystoma craccae (Linnaeus, 1767)

Distribution: Antalya (Kaş), Bursa (İzmit, Mudanya), Uşak (Central province). 12 specimens.

Oxystoma ochropus (Germar, 1818)

Distribution: Ağrı (Doğubeyazıt), İzmir (Tire), Ordu (Ünye), Rize (Central province), Samsun (Kavak), Yozgat (Central province). 18 specimens.

Oxystoma pomonae (Fabricius, 1798)

Distribution: Ordu (Ünye), Sinop (Boyabat). 5 specimens.

Ischnopteration (Ischnopteration) loti (W. Kirby, 1808)

Distribution: Ağrı (Doğubeyazıt), Bolu (Mengen). 3 specimens.

Ischnopteration (Ischnopteration) modestum (Germar, 1817)

Distribution: Bartın (Kurucaşile). 1 specimen.

Stenopteration (Stenopteration) tenue (W. Kirby, 1808)

Distribution: Artvin (Central province), Balıkesir (Manyas), Diyarbakır (Silvan), Hakkari (Yüksekova), Iğdır (Central province), İzmir (Narlıdere), Kars (Kağızman), Kayseri (Central province), Samsun (Bafra), Sinop (Central province), Trabzon (Central province). 48 specimens.

PIEZOTRACHELINI***Protapion dissimile (Germar, 1817)***

Distribution: Adana (Kozan), Artvin (Central province), Aydın (Söke), Çanakkale (Gökçeada), Diyarbakır (Ergani, Silvan), Edirne (Central province), Hakkari (Şemdinli), İçel (Silifke), Kars (Central province), Mardin (Midyat, Ömerli), Muğla (Köyceğiz), Samsun (Bafra), Sinop (Central province), Şanlıurfa (Siverek), Şırnak (Cizre). 44 specimens.

Protapion assimile (W. Kirby, 1808)

Distribution: Erzurum (Central province), Gümüşhane (Şiran). 2 specimens.

Protapion apricans (Herbst, 1797)

Distribution: İzmir (Tire). 2 specimens.

***Protapion brenskei* (Desbrochers, 1895)**

Distribution: Balıkesir (Manyas), Bursa (İznik), İzmir (Bornova-Pınarbaşı, Menemen, Tire), Karaman (Ayrancı), Manisa (Central province-Sultanyayla), Muğla (Köyceğiz), Muş (Solhan). 12 specimens.

***Protapion dentipes* (Gerstaecker, 1854)**

Distribution: İzmir (Bornova, Ödemiş- Bozdağ), Manisa (Central province, Sultanyayla). 5 specimens.

***Protapion fulvipes* (Geoffroy, 1785)**

Distribution: Adana (Tufanbeyli), Antalya (Finike), Ardahan (Damal), Artvin (Borçka), Aydın (Köşk, Kuşadası), Bitlis (Hizan), Bursa (Uludağ), Çanakkale (Gökçeada), İzmir (Ödemiş-Bozdağ, Tire), Kahramanmaraş (Göksun), Kastamonu (Pınarbaşı), Manisa (Central province-Sultanyayla, Gördes), Muğla (Bodrum), Ordu (Kumru, Ünye), Sakarya (Hendek), Samsun (Alaçam, Bafra). 75 specimens.

***Protapion interjectum* (Desbrochers, 1895)**

Distribution: Artvin (Borçka), Aydın (Kuşadası), Gümüşhane (Şiran), İzmir (Ödemiş). 4 specimens.

***Protapion laevicolle* (W. Kirby, 1811)**

Distribution: Bingöl (Solhan), Manisa (Central province-Sultanyayla). 6 specimens.

***Protapion nigrifemur* (W. Kirby, 1808)**

Distribution: Aydın (Kuşadası), İzmir (Ödemiş, Tire), Kars (Central province), Van (Gevaş). 7 specimens.

***Protapion ononidis* (Gyllenhal, 1827)**

Distribution: Bolu (Mengen), Konya (Ereğli), Sinop (Ayanık). 19 specimens.

***Protapion ruficrus* (Germar, 1817)**

Distribution: Ardahan (Göle). 1 specimen.

***Protapion schoenherri* (Boheman, 1839)**

Distribution: Ordu (Kumru), Şırnak (Uludere). 5 specimens.

***Protapion trifolii* (Linnaeus, 1768)**

Distribution: Ağrı (Doğubeyazıt), Aydın (Bozdoğan), Balıkesir (Gönen, Manyas), Batman (Beşiri, Kozluk), Bingöl (Solhan), Bitlis (Hizan), Bursa (Central province), Diyarbakır (Çermik, Silvan), Erzurum (Aşkale), Gaziantep (Central province), Hakkari (Çukurca), İstanbul (Bakırköy), İzmir (Central province, Bornova-Pınarbaşı, Menemen, Selçuk), Karaman (Ayrancı), Kırıkkale (Keskin), Kırşehir (Mucur), Kocaeli (Kandıra), Kütahya (Domaniç), Manisa (Alaşehir, Central province-Sultanyayla), Mardin (Nusaybin, Ömerli), Muğla (Dalaman), Muş (Eşmeşinar), Samsun (Central province, Bafra), Siirt (Aydınlar). 89 specimens.

***Protapion truquii* (Reiche & Sauley, 1858)**

Distribution: Artvin (Central province), Balıkesir (Balya, Bigadiç, Gönen, Manyas, Susurluk), Batman (Kozluk), Bilecik (Gölpazarı), Bingöl (Solhan), Bitlis (Tatvan), Diyarbakır (Bismil, Çermik, Çüngüş), Edirne (Keşan), Erzurum (Central province), Hakkari (Central province), İzmir (Beydağ, Bornova, Kiraz, Urla-Zeytinlan), Kars (Kağızman), Kocaeli (Gölcük), Manisa (Alaşehir), Mardin (Midyat, Nusaybin, Ömerli), Muğla (Köyceğiz), Muş (Korkut), Samsun (Bafra), Siirt (Central province), Şanlıurfa (Harran, Siverek), Şırnak (Cizre), Van (Gevaş). 280 specimens.

***Protapion varipes* (Germar, 1817)**

Distribution: Ankara (Hasanoğlan), Artvin (Borçka), Aydın (Söke), Erzincan (Tercan). 5 specimens.

***Pseudoprotapion astragali* (Paykull, 1800)**

Distribution: Manisa (Gördes). 8 specimens.

***Pseudoprotapion elegantulum* (Germar, 1818)**

Distribution: Adana (Central province), Antalya (Central province), Samsun (Central province). 14 specimens.

In consequence of this study, it has been observed that a total of 2486 specimens of 90 species belonging to 27 genera of 11 tribes of Apioninae (Apionidae) have been reported from the collection of Lodos Entomological Museum, Turkey (LEMT). Among these *Holotrichapion (Apiops) pisi* (Fabricius,

1801), *Protapion truquii* (Reiche & Sauley, 1858) and *Apion frumentarium* (Linnaeus, 1758) are richer species than others.

ACKNOWLEDGEMENTS

Authors would like to thank Dr. Nilay Gülperçin and Miray Alyürek for their contributions to this paper.

LITERATURE CITED

- Anonymous.** 2011. Apionidae. Fauna Europaea, version 2.4. (18 March, 2011).
- Bajtenov, M. S. & Lodos, N.** 1977a. A new species of *Apion* Hbst. from Turkey (Coleoptera: Curculionidae). Ege Üniversitesi Ziraat Fakültesi Dergisi, 14 (3): 1-5.
- Bajtenov, M. S. & Lodos, N.** 1977b. Espaces nouvelles du genre *Apion* Herbst. (Col.: Curculionidae) de la Turquie orientale. Türkiye Bitki Koruma Dergisi, 1: 5-8.
- Bajtenov, M. S. & Lodos, N.** 1978a. Eine neue Art die Untergattung *Thymapion* aus der Türkei (Coleoptera: Curculionidae). Türkiye Bitki Koruma Dergisi, 2 (2): 93-95.
- Bajtenov, M. S. & Lodos, N.** 1978b. Zwei neue Arten der Untergattung *Ceratapion* Schilsky aus der Türkei (Coleoptera: Curculionidae). Türkiye Bitki Koruma Dergisi, 2: 145-149.
- Bajtenov, M. S. & Lodos, N.** 1980a. Some new species of weevils (Coleoptera: Curculionidae) from Palearctic. Türkiye Bitki Koruma Dergisi, 4: 143-148.
- Bajtenov, M. S. & Lodos, N.** 1980b. Notizen über Apionen (Coleoptera, Curculionidae) in der Türkei. Türkiye Bitki Koruma Dergisi, 4: 229-230.
- Bajtenov, M. S. & Lodos, N.** 1983. Seltene und vom Aussterben bedrohten Arten von Apionen (Col. Curculionidae) der Türkei (Materialen zum "Roten Buch der Insecten der Türkei"). Türkiye Bitki Koruma Dergisi, 7: 91-104.
- Hayat, R., Güçlü, Ş., Özbek, H. & Schön, K.** 2002. Contribution to the knowledge of the families Apionidae and Nanophyiidae (Coleoptera: Curculionoidea) from Turkey, with new records. Phytoparasitica, 30 (1): 25-37.
- Lodos, N., Önder, F., Pehlivan, E. & Atalay, R.** 1978. Ege ve Marmara Bölgesinin Zararlı Böcek Faunasının Tesbiti Üzerinde Çalışmalar [Curculionidae, Scarabaeidae (Coleoptera); Pentatomidae, Lygaeidae, Miridae (Heteroptera)]. Gıda-Tarım ve Hayvancılık Bakanlığı, Zirai Mücadele ve Zirai Karantina Genel Müdürlüğü Yayını, Ankara, 301 pp.
- Lodos, N., Önder, F., Pehlivan, E., Atalay, R., Erkin, E., Karsavuran, Y., Tezcan, S. & Aksoy, S.** 2003. Faunistic studies on Curculionidae (Coleoptera) of Western Black Sea, Central Anatolia and Mediterranean Regions of Turkey. Meta Basım, Bornova, İzmir, 83 pp.
- Pehlivan, E., Karsavuran, Y. & Tezcan, S.** 2006. An evaluation on Apionidae (Coleoptera) material housed in the Lodos Entomological Museum (LEMT), İzmir (Turkey). VIIIth European Congress of Entomology, 17-22 September 2006, İzmir, Turkey. Abstract Book, 160 pp., 119.
- Yücel, A.** 1991. Untersuchungen zur Morphologie, Biologie und Schaden von *Apion arrogans* Wencker (Coleoptera, Curculionidae) in Südost Anatolien. Türkiye Entomoloji Dergisi, 15: 223-228.
- Yücel, A.** 1993. Beobachtungen über den Morphologie, Schaden und Verbreitungen von *Apion (Protapion) truquii* Reiche (Coleoptera, Curculionidae) in der provinz Şanlıurfa. Türkiye Entomoloji Dergisi, 17: 169-174.
- Zeren, O. & Yabaş, C.** 1984. Observations on *Apion arrogans* Wencker (Coleoptera: Curculionidae), a new pest of lentil in Gaziantep Province. Türkiye Bitki Koruma Dergisi, 8: 121-124.