

Longhorned Beetles Collection of the Entomology Museum of Central Anatolia Forestry Research Directorship, Ankara, Turkey (Coleoptera, Cerambycidae)

Hüseyin ÖZDİKMEN*, Özlem ŞAHİN

Gazi Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 06500 Ankara / TÜRKİYE
Received:05.01.2005 Accepted:07.10.2005

ABSTRACT

In the present paper, specimens of Cerambycidae were examined in the Entomology Museum of Central Anatolia Forestry Research Directorship, Ankara, Turkey. As a result of identification of these specimens, thirty-eight species and two subspecies belonging to twenty-eight genera of five subfamilies were determined. With this paper, new faunistic data and some zoogeographical evaluations were presented on longhorned beetles fauna (Coleoptera, Cerambycidae) of Turkey. The faunistic data in the present paper on almost all species add to knowledge on their distribution in Turkey.

Key words: Prioninae, Lepturinae, Spondylidinae, Cerambycinae, Lamiinae, Cerambycidae, Coleoptera, Turkey

1. INTRODUCTION

The longhorn beetles or Cerambycidae are classified together with Chrysomelidae and Bruchidae in the superfamily Chrysomeloidea of the order Coleoptera. But, some authors recognized Cerambycidae as a separate superfamily Cerambycoidea. Cerambycidae sensu stricto is divided into several subfamilies. These are Parandrinae, Prioninae, Lepturinae, Necydalinae, Spondylidinae, Apatophyseinae, Cerambycinae and Lamiinae. Parandrinae are not represented in Turkey. The subfamilies Apatophyseinae and Necydalinae are represented with only a few species in Turkey.

All the members of longhorn beetles are xylophagous and phytophagous. Most of them are pests on the cultivated plants. Because of this situation, it is an important subject in forestial and agricultural entomology. However, the studies on fauna, systematic, biology and ecology of species in the family are insufficient. Also it is impossible to mention that a planned faunistic study has been made in Turkey. Most of

the studies that have been done include a list of species in some local areas or pests on forest trees and cultivated plants. Especially since the last century, studies on longhorn beetles fauna of Turkey have been done. These studies were mainly divided into two titles as faunistic and taxonomic Works. Chiefly faunistic studies are Fairmaire (28), Semenov (58), Bodemeyer (10, 11), Winkler (72),

İyriboz (34, 35), Acatay (1, 2), Alkan (5), Erdem (25, 26), Schimitschek (55), Defne (20), Çanakçıoğlu (15, 16), Villiers (70, 71), Demelt & Alkan (23), Demelt (21, 22), Nizamlioğlu & Gökmen (38), Breuning & Villiers (14), Beşçeli (9), Fuchs & Breuning (29), Ekici (24), Gfeller (30), Tuatay *et al.* (68), Gül-Zümreoğlu (31, 32), İren & Ahmed (33), Sekendiz (56, 57), Tosun (62), Erdem & Çanakçıoğlu (27), Braun (12, 13), Özbek (40), Sama (51, 52, 53), Danilevsky & Miroshnikov (18), Öymen (39), Adlbauer (3, 4), Sabbadini & Pesarini (50), Danilevsky (19), Bense (8), Yüksel (73), Althoff & Danilevsky (7), Çanakçıoğlu & Mol (17), Lodos (37), Kanat (36), Ulusoy *et al.* (69), Rejzek & Hoskovec (48), Sama & Rapuzzi (54), Alkan (6), Tozlu & Özbek (63), Tausin (59, 60), Tozlu (64, 65), Rejzek *et al.* (49), Tezcan & Rejzek (61),

* Corresponding author, e-mail: ozdikmen@gazi.edu.tr

Tozlu *et al.* (66, 67), Özdikmen (41, 42), Özdikmen & Çağlar (43), Özdikmen & Hasbenli (44), Özdikmen & Okutaner (45, 46) and Özdikmen *et al.* (47).

2. MATERIAL AND METHODS

The specimens of the family Cerambycidae that were collected by the different authors in various years (1953-1954, 1957, 1963, 1965-1967, 1972, 1978, 1981-1982, 1986, 1994-1997, 1999-2003) from different localities in Turkey were examined in the present study.

These materials that were deposited in the Entomology Museum of Central Anatolia Forestry Research Directorship, Ankara, Turkey were evaluated faunistically.

In this paper nomenclature of the longhorn beetles suggested by Danilevsky (19) and Althoff & Danilevsky (7) are followed. Within the genera the species are listed alphabetically. Nominative subgenera or subspecies are not mentioned if other subgenera or subspecies do not occur in Turkey according to this study. Each name of a genus, species or subspecies is accompanied by the author's name and description date.

The data in the text is given under "Material Examined" and "Note" headings for each taxon. All records under the title of material examined are arranged in the following way: administrative district (Province), Town, Village, Altitude, Collecting date (day/month/year), Number of specimens and the name of collector respectively. But some data is absent for some specimens due to lack of information on labels in the museum. Also in the Note parts, comments and discussions for every taxon about distribution in Turkey are given as summary.

3. RESULTS AND DISCUSSION

Subfamily PRIONINAE

Ergates faber (Linnaeus, 1767)

Material Examined: Ankara: Kızılcahamam, Çamkoru T. O., 1490 m, 2 specimens, leg. O. Özkazanç.

Note: New for Ankara province and rather widely distributed in Turkey.

Aegosoma scabricorne (Scopoli, 1763)

Material Examined: Balıkesir: Manyas Kuş Cenneti, 13.07.1981, 1 specimen, adult on stem of *Salix*.

Note: New for Balıkesir province and rather widely distributed in Turkey.

Prionus coriarius (Linnaeus, 1758)

Material Examined: Ankara: Kızılcahamam, Çamkoru T. O., 1490 m, 2 specimens, leg. O. Özkazanç; Balıkesir: Erdek, 15.07.1981, 1 specimen; Kocaeli: Kerpe,

17.07.2003, 2 specimens; Kocaeli: İzmit, 07.08.2003, 1 specimen, leg. F. Ş. Özay.

Note: New for Ankara, Balıkesir and Kocaeli provinces and rather widely distributed in Turkey.

Mesoprionus besicanus (Fairmaire, 1855)

Material Examined: Burdur: Bucak, 22.07.1966, 1 specimen.

Note: Mostly distributed in West and South parts of Turkey.

Subfamily LEPTURINAE

Rhagium (Hagrium) bifasciatum Fabricius, 1775

Material Examined: Karabük: Büyükdüz Research Forest, 26.04.1963, 3 specimens; Trabzon: Meryemana, 07.05.1966, 1 specimen, 20.05.1966, 2 specimens; Turkey: 1 specimen, without label.

Note: Mostly distributed in North Turkey.

Rhagium (Megarhagium) fasciculatum Faldermann, 1837

Material Examined: Trabzon: Meryemana, 20.05.1966, 2 specimens.

Note: Only distributed in North-Eastern Turkey.

Rhagium (s.str.) inquisitor (Linnaeus, 1758)

Material Examined: Karabük: Büyükdüz Research Forest, 26.04.1963, 8 specimens.

Note: New for Karabük province and mostly distributed in North Turkey.

Rutpela maculata (Poda, 1761)

Material Examined: Kocaeli: İzmit, 18.07.1996, 1 specimen, leg. F. Ş. Özay.

Note: New for Kocaeli province and widely distributed in Turkey.

Anastrangalia dubia (Scopoli, 1763)

Material Examined: Turkey: 1 specimen, without label.

Note: Widely distributed in Turkey.

Anastrangalia sanguinolenta (Linnaeus, 1761)

Material Examined: Ankara: Kızılcahamam, Çamkoru T. O., 15.07.1963, 1 specimen, leg. O. Özkazanç.

Note: Mostly distributed in North Turkey.

***Paracorymbia cordigera* (Füsslins, 1775)**

Material Examined: Balıkesir: Susurluk, 16.07.1996, 1 specimen, leg. F. Ş. Özay.

Note: Widely distributed in Turkey.

Subfamily SPONDYLIDINAE

***Arhopalus ferus* (Mulsant, 1839)**

Material Examined: Turkey: 2 specimens, without label.

Note: Rather widely distributed in Turkey.

***Arhopalus rusticus* (Linnaeus, 1758)**

Material Examined: Karabük: Büyükdüz Research Forest, 08.09.1965, 6 specimens.

Note: Rather widely distributed in Turkey.

***Arhopalus syriacus* (Reitter, 1895)**

Material Examined: İçel: Mut, Alahandüzü, 04.05.1978, 1 specimen.

Note: New for İçel province. It distributes in South parts of Turkey. For this reason, the Artvin record in Sekendiz (57) is very doubtful. The status of this record must be revised.

***Spondylis buprestoides* (Linnaeus, 1758)**

Material Examined: Ankara: Kızılcahamam, Çamkoru A. O., 19.07.1963, 6 specimens, leg. O. Özkazanç.

Note: Mostly distributed in North and West Turkey.

Subfamily CERAMBYCINAE

***Hesperophanes sericeus* (Fabricius, 1787)**

Material Examined: Turkey: 1 specimen, without label.

Note: Mostly distributed in South-Western Turkey.

***Trichoferus griseus* (Fabricius, 1792)**

Material Examined: İçel: Mut, 10.08.1972, 1 specimen, leg. O. Özkazanç.

Note: Mostly distributed in South and South-Western Turkey.

***Stromatium unicolor* (Olivier, 1795)**

Material Examined: Ankara: flats of Ministry of Forest, 12.08.1982, 2 specimens, leg. O. Özkazanç.

Note: New for Ankara province and widely distributed in Turkey.

***Cerambyx* (s.str.) *cerdo* Linnaeus, 1758**

Material Examined: Denizli: Centre of Laboratuar, 21.06.1963, 1 specimen; Bartın: Gafhar district, May1999, 1 specimen.

Note: New for Denizli and Bartın provinces and widely distributed in Turkey.

***Cerambyx* (s.str.) *dux* (Faldermann, 1837)**

Material Examined: Turkey: 1 specimen, without label.

Note: Widely distributed in Turkey.

***Cerambyx* (*Microcerambyx*) *scopolii* Fusslins, 1775**

Material Examined: Edirne: 09.05.1996, 1 specimen, leg. F. Ş. Özay.

Note: New for Edirne province and widely distributed in Turkey.

***Purpuricenius budensis* (Gotz, 1783)**

Material Examined: Samsun: Terme, Bük, 26.06.1967, 4 specimens; Kocaeli: İzmit, 22.07.1996, 1 specimen, leg. F. Ş. Özay.

Note: New for Samsun and Kocaeli provinces and widely distributed in Turkey.

***Aromia moschata* (Linnaeus, 1758)**

According to Sama (53), there are three subspecies of *Aromia moschata* in the world. The nominative *Aromia moschata* occurs from the great part of Europe to Baikal Lake, *Aromia moschata ambrosiaca* (Steven, 1809) occurs from Mediterranean Region and North Africa to Central Asia including Turkey, Middle East and Caucasus and *Aromia moschata orientalis* Plavilstshikov, 1932 occurs from Baikal Lake to Japan. *Aromia moschata* is represented in Turkey as two subspecies. These are nominate *Aromia moschata moschata* and *Aromia moschata ambrosiaca* (Steven, 1809) (= *thoracica* Fischer, 1824). It is clear that the real status of systematic and distributional patterns of these subspecies need to be clarified. For this reason, especially old records from Turkey of these taxa must be revised in subspecific level.

***Aromia moschata moschata* (Linnaeus, 1758)**

Material Examined: Kocaeli: İzmit, 29.07.1997, 3 specimens, leg. F. Ş. Özay.

Note: New for Kocaeli province and rather widely distributed in Turkey.

***Aromia moschata ambrosiaca* (Steven, 1809)**

Material Examined: Artvin: 23.07.1986, 2 specimens, leg. O. Özkazanç.

Note: Rather widely distributed in Turkey.

***Hylotrupes bajulus* (Linnaeus, 1758)**

Material Examined: Karabük: Büyükdüz Research Forest, 18.08.1964, 4 specimens; Bartın: 04.07.2002, 1 specimen; Turkey: 1 specimen, without label.

Note: New for Bartın province and widely distributed in Turkey. It is an important wood pest.

***Ropalopus clavipes* (Fabricius, 1775)**

Material Examined: Edirne: 09.05.1996, 1 specimen; Balıkesir: Manyas, 03.06.1996, 1 specimen, leg. F. Ş. Özay.

Note: New for Edirne and Balıkesir provinces and rather widely distributed in Turkey.

***Phymatodes testaceus* (Linnaeus, 1758)**

Material Examined: Turkey: 1 specimen, without label.

Note: Rather widely distributed in Turkey.

***Chlorophorus varius* (Muller, 1766)**

Material Examined: Turkey: 1 specimen, without label.

Note: Widely distributed in Turkey.

Subfamily LAMIINAE***Batocera rufomaculata* (Degeer, 1785)**

Material Examined: Hatay: İskenderun, Sarımazı, 12.08.2000, 1 specimen.

Note: Only distributed in South parts of Turkey.

***Monochamus galloprovincialis* (Olivier, 1795)**

Material Examined: Bursa: Mustafakemalpaşa, Sarıç, 19.08.2002, 2 specimens; Turkey: 17.07.1965, 1 specimen; Turkey: 1 specimen, without label.

Note: New for Bursa province and widely distributed in Turkey. According to Sama (53), there are three subspecies of *Monochamus galloprovincialis* in the world. The nominative *M. galloprovincialis galloprovincialis* occurs in South-Western Europe and North Africa, *M. galloprovincialis pistor* (Germar, 1818) occurs in North, Central and East Europe and *M. galloprovincialis tauricola* Pic, 1912 occurs only in South Turkey. Under the circumstances, there are two subspecies in Turkey, *M. galloprovincialis pistor* (Germar, 1818) and *M. galloprovincialis tauricola* Pic, 1912. It is clear that the real status of systematic and distributional patterns of these subspecies need to be clarified. For this reason, especially old records from Turkey of these taxa must be revised. However, it is expected that the most of old records belong to the subspecies *M. galloprovincialis pistor* (Germar, 1818) because of *M. galloprovincialis tauricola* Pic, 1912 occurs only in South Turkey. But, getting to a final decision is impossible unless all old records are revised.

***Morinus asper* (Sulzer, 1776)**

Material Examined: Trabzon: Meryemana, 31.05.1966, 1 specimen, 05.07.1964, 2 specimens; Ankara: Kızılcahamam, Çamkoru T. O., Resting house, 1400 m, 1 specimen, leg. O. Özkazanç.

Note: New for Ankara province and only distributed in North Turkey. The real status of distribution in Turkey of this taxon needs to be clarified especially by revising all old records. These records must be examined whether they belong to *Morinus orientalis* (Reitter, 1804), which has a close external morphological structure, occurs in European Turkey and North-Western Turkey, or *Morinus verecundus* (Faldermann, 1836), occurs from North-Eastern Turkey to Turkmenistan including Caucasus.

***Morinus funereus* (Mulsant, 1863)**

Material Examined: Ankara: Kızılcahamam, Çamkoru T. O., Dinlenme Evi, 1400 m, 1 specimen; Ankara: 10.06.1967, 1 specimen; Burdur: Bucak, 28.06.1967, 1 specimen; Bartın: Campus of Forestry Faculty, 12.03.2000, 1 specimen, leg. O. Özkazanç.

Note: New for Burdur and Bartın provinces and especially distributed in West and North-West Turkey.

***Morinus ganglbaueri* (Reitter, 1894)**

Material Examined: Turkey: 1 specimen, *Abies*; Sakarya: Karasu, 22.06.2003, 1 specimen, *Pinus maritima*, leg. F. Ş. Özay.

Note: New for Sakarya province and especially distributed in Western parts of Turkey. Kahramanmaraş record in Kanat (36) must be revised due to known distributional patterns of this taxon.

***Pogonocherus anatolicus* Daniel, 1898**

Material Examined: Turkey: 3 specimens, without label.

Note: Only distributed in South part of Turkey.

***Pogonocherus perroudi* Mulsant, 1839**

Material Examined: Karabük: Büyükdüz Research Forest, 1953, 1954, 1957, 4 specimens, leg. Ö. Besçeli.

Note: New for Karabük province and widely distributed in Turkey.

***Aegomorphus clavipes* (Schrank, 1781)**

Material Examined: Edirne: Keşan, 02.06.1996, 2 specimens, leg. F. Ş. Özey.

Note: New for Edirne province and widely distributed in Turkey.

***Acanthocinus aedilis* (Linnaeus, 1758)**

Material Examined: Turkey: 24.08.1966, 1 specimen; Turkey: 2 specimens, without label.

Note: Mostly distributed in Northern and Western parts of Turkey.

***Acanthocinus griseus* (Fabricius, 1792)**

Material Examined: Bursa: Karacabey, 19.08.2002, 1 specimen; Edirne: Enez, 21.08.2003, 1 specimen and 16.10.2003, 1 specimen; Bursa: Mustafakemalpaşa, Sarıç, 24.07.2001, 1 specimen; Kocaeli: İzmit, Gebze, Ovacık, 29.09.2003, 2 specimens; Kocaeli: İzmit, Karatepe, 14.10.2003, 1 ergin; Kocaeli: Kerpe, 1994 yaz ayları, 1 specimen.

Note: New for Edirne and Kocaeli provinces and widely distributed in Turkey.

***Saperda carcharias* (Linnaeus, 1758)**

Material Examined: Ankara: Kızılcahamam, Çamkoru T. O., 1400 m, 3 specimens, leg. O. Özkazanç.

Note: New for Ankara province and mostly distributed in Northern and Western parts of Turkey.

***Oberea oculata* (Linnaeus, 1758)**

Material Examined: Kocaeli: İzmit, 04.05.1995, 2 specimens, leg. F. Ş. Özey.

Note: New for Kocaeli province and widely distributed in Turkey.

ACKNOWLEDGEMENT

We thank to Dr. Gianfranco Sama (Italy) for identification of *Pogonocherus anatolicus* Daniel, 1898.

REFERENCES

1. Acatay, A., "İstanbul çevresi ve bilhassa Belgrad ormanındaki zararlı orman böcekleri, mücadeleleri ve işletme üzerine etkileri", *Zir. Vek. Yük. Zir. Enst. Çal. Sayı* 142, 1-163 (1943).
2. Acatay, A., "Orman Zararlıları: Teşhis anahtarı", *İstanbul Üniversitesi Yayınları*, No: 1358, Orman Fakültesi No: 132, İstanbul (1968).
3. Adlbauer, K., "Neues zur Taxonomie und Faunistik der Bockkäferfauna der Türkei (Coleoptera, Cerambycidae)", *Entomofauna*, 9 (12): 257-297 (1988).
4. Adlbauer, K., "Zur Faunistik und Taxonomie der Bockkäferfauna der Türkei II (Coleoptera, Cerambycidae)", *Entomofauna*, 13 (30): 485-509 (1992).
5. Alkan, B., "Kızılcahamam, Bolu (Abant) ve Düzce ormanlarında entomolojik araştırmalar", *Orman Av Dergisi*, (3): 112-119, (4): 139-156 (1946).
6. Alkan, H., "Türkiye orman Cerambycidae (Insecta, Coleoptera)'lerinin tanıtımı ve Doğu Karadeniz Bölgesi'ndeki türlerin araştırılması", Yüksek Lisans, *K. T. Ü. Fen Bilimleri Enstitüsü*, Trabzon, 1-227 (2000).
7. Althoff, J. and Danilevsky, M.L., "A Check-List of Longicorn Beetles (Coleoptera, Cerambycoidea) of Europe", *Slovensko Entomološko Društvo Štefana Michielija*, Ljubljana, 64 pp. (1997).
8. Bense, U., "Illustrated key to the Cerambycidae (excl. Dorcadionini) and Vesperidae of Europe", *Margraf Verlag*, Germany, 512 pp. (1995).
9. Besçeli, Ö., "Biologies des insectes nuisibles dans la forest de recherches de Büyükdüz et mesures de protection", *Ormancılık Araştırma Enstitüsü Yayınları*, No:33, Ankara, 1-94 (1969) (Turkish with French summary).
10. Bodemeyer, H.E.V., "Quer durch Klein Asien, in den Bulghar Dag; Eine Naturwissenschaftliche studien-Reise", *Coleopterologisches*, 196 pp. (1900).
11. Bodemeyer, H.E.V., "Beitrage zur Käferfauna von Klein Asien", *Deutsche Entomologische Zeitschrift*, 2:417-437 (1906).

12. Braun, W., "Die Dorcadienausbeute der Forschungsreisen von W. Heinz 1963-1977, Faunistische Aufstellung, Beschreibung einer neuen Unterart und Bemerkungen zur Systematik wenig bekannter Arten (Coleoptera, Cerambycidae)", *Nachrichtenblatt der Bayerischen Entomologen*, 27 (6): 101-116 (1978).
13. Braun, W., "Beitrag zur Kenntnis der Gattung *Dorcadion* Systematisch neu bewertete *Dorcadion*-Formen (Col., Cerambycidae)", *Nachrichtenblatt der Bayerischen Entomologen*, 28(5): 81-86 (1979).
14. Breuning, S. and Villiers, A., "Cerambycides de Turquie (2. note)", *L'Entomologiste*, 23(3): 59-63 (1967).
15. Çanakçıoğlu, H., "Bursa Ormanlarında Entomolojik Araştırmalar", *İ. Ü. Yay. No: 690, Orman Fak. Yay. No: 41*, 41 pp. (1956).
16. Çanakçıoğlu, H., "Orman Entomolojisi (Özel Bölüm)", *İ. Ü. Orman Fakültesi Yayınları*, İ. Ü. Yay. No: 3623, Orman Fak. Yay. No: 412, İ. Ü. Basımevi ve Film Merkezi, İstanbul, (ikinci baskı), 458 pp. (1993).
17. Çanakçıoğlu, H. and Mol, T., "Orman Entomolojisi Zararlı ve Yararlı Böcekler", *İ. Ü. Orman Fakültesi Yay.*, Rek. No: 4063, Orman Fak. Yay. No: 451, Dilek Ofset Matbaacılık, İstanbul, 541 pp. (1998).
18. Danilevsky, M. L. and Miroshnikov, A. I., "The Longicorn Beetles of the Caucasus (Coleoptera, Cerambycidae)", A Key-Book, *Krasnodar*, 417 pp. (1985).
19. Danilevsky, M. L., "Systematic list of Longicorn Beetles (Cerambycoidea) of the territory of the former USSR (on the base of "Systematic list of Longicorn Beetles of the USSR" by A.L. Lobanov, M.L. Danilevsky, S.V. Murzin, 1981, and computer databases by A.L. Lobanov, 1979-1990)", (2004). <http://www.zin.ru/Animalia/Coleoptera/eng/dbase30.htm>
20. Defne, M. Ö., "Batı Karadeniz Bölgesindeki Göknaarların Zararlı Böcekleri ve Mücadele Metodları", *T. C. Tarım Bakanlığı, Orman Genel Müdürlüğü Yay.* No. 105, 60-72 (1954).
21. Demelt, C. V., "Beitrag zur Kenntnis der Cerambycidenfauna Kleinasien und 13. Beitrag zur Biologie palaearkt. Cerambyciden, sowie Beschreibung einer neuen *Oberea*-Art", *Entomologische Blätter*, 59 (3): 132-151 (1963).
22. Demelt, C.V., "Nachtrag zur Kenntnis der Cerambyciden-Fauna Kleinasien", *Entomologische Blätter*, 63 (2): 106-109 (1967).
23. Demelt, C. V. and Alkan, B., "Short information of Cerambycidae Fauna of Turkey", *Bitki Koruma Bülteni*, 2 (10): 49-56 (1962) (Turkish).
24. Ekici, M., "Biologies et controles des insectes nuisibles aux Cedres (*Cedrus libani* Barr.)", *Ormancılık Araştırma Enstitüsü Yayınları*, Teknik Bülten Serisi No: 45, 50-51 (1971) (Turkish).
25. Erdem, R., "Sarıkamış ormanlarında entomolojik gözlemler", *T. C. Tarım Bakanlığı, Orman Genel Müdürlüğü Yay.*, Özel Sayı: 52, Ankara, (1947).
26. Erdem, R., "Ormanın yararlı ve zararlı böcekleri", *İ. Ü. Orman Fakültesi Yayınları*, İstanbul, 43-58 (1968).
27. Erdem, R. and Çanakçıoğlu, H., "Türkiye odun zararlıları", *İ. Ü. Orman Fakültesi Yayınları*, İstanbul, 113-134 (1977).
28. Fairmaire, M. L., "Liste des Coleopteres recueillis par M. l'abbe David a Akbes (Asie-Mineure) et Descriptions des Especies Nouvelles", *Annales de la Société Entomologique de France*, Octobre (1884): 165-180 (1884).
29. Fuchs, E. and Breuning, S., "Die Cerambycidenausbeute der Anatolienexpedition 1966-67 des Naturhistorischen Museums, Wien", *Annalen des Naturhistorischen Museums in Wien*, 75: 435-439 (1971).
30. Gfeller, W., "Cerambycidae (Coleoptera) der Türkei-Persienexpedition 1970 der Herren Dr. H. c. W. Wittmer und U. v. Botmer", *Mitt. Ent. Ges. Basel*, 22 (1): 1-8 (1972).
31. Gül-Zümreoğlu, S., "Böcek ve genel zararlılar kataloğu (1928-1969)", *T. C. Tarım Bakanlığı Yayınları*, Bornova, İzmir, 119 pp. (1972).
32. Gül-Zümreoğlu, S., "Investigations on taxonomy, host plants and distribution of the Longhorned Beetles (Cerambycidae-Coleoptera) in Aegean Region". *T. C. Ministry of Food, Agriculture and Stockbreeding*, No: 28, İstiklal Press, İzmir, 208 pp. (1975) (Turkish).
33. İren, Z. and Ahmed, M. K., "Microlepidoptera and pests of fruit-trees in Turkey", *Bitki Koruma Bülteni*, 1: 41-42 (1973) (Turkish).
34. İyriboz, N., "Diseases of Vineyard", *T.C. Tarım Bakanlığı Yayınları*, No: 2, 109-111 (1938) (Turkish).
35. İyriboz, N., "Diseases of Fig", *T.C. Tarım Bakanlığı Yayınları*, No: 4, 44-49 (1940) (Turkish).

36. Kanat, M., "Research of important harmful insect species in the forests of Kahramanmaraş (Kahramanmaraş Orman Bölge Müdürlüğü)", Yüksek Lisans, **K. T. Ü. Fen Bilimleri Enstitüsü**, Trabzon, 227 pp. (1998) (Turkish).
37. Lodos, N., "Türkiye Entomolojisi VI (Genel, Uygulamalı ve Faunistik)", Ege Ü. Zir. Fak. Yayınları No: 529, E. Ü. **Ziraat Fakültesi basımevi**, İzmir, 300 pp. (1998).
38. Nizamlioğlu, K. and Gökmen, N., "Damaging Insects on Olive in Turkey", **Göztepe Ziraat Enstitüsü**, İstanbul, 51-56 pp. (1964) (Turkish).
39. Öymen, T., "The Forest Cerambycidae of Turkey", **İ.Ü. Orman Fakültesi**, İstanbul, 146 pp. (1987).
40. Özbek, H., "*Hylotrupes bajulus* (L.) Serville in Erzurum and the near, and some others longhorn beetles", **Atatürk Üniversitesi Ziraat Fakültesi Dergisi**, 9 (1): 31-44 (1978) (Turkish with English summary).
41. Özdikmen, H., "The Genus *Cortodera* Mulsant, 1863 (Cerambycidae: Coleoptera) in Turkey", **Phytoparasitica**, 31 (5): 433-441 (2003a).
42. Özdikmen, H., "Check-list of the genus *Cortodera* Mulsant, 1863 (Coleoptera: Cerambycidae) in Turkey with two new records", **Acta Entomologica Slovenica**, 11 (2): 183-188 (2003b).
43. Özdikmen, H. and Çağlar, Ü., "Contribution to the Knowledge of Longhorned Beetles (Coleoptera, Cerambycidae) from Turkey, Subfamilies Prioninae, Lepturinae, Spondylidinae and Cerambycinae", **Journal of the Entomological Research Society**, 6 (1): 39-69 (2004).
44. Özdikmen, H. and Hasbenli, A., "Contribution to the Knowledge of Longhorned Beetles (Coleoptera, Cerambycidae) from Turkey, Subfamily Lamiinae", **Journal of the Entomological Research Society**, 6 (2): 25-49 (2004).
45. Özdikmen, H. and Okutaner, A. Y., "Researches on fauna of Cerambycidae (Insecta, Coleoptera) in Kahramanmaraş Province of Turkey", **I. Bitki Koruma Kongresi**, 8-10 Eylül 2004, Samsun, s. 137 (2004).
46. Özdikmen, H. and Okutaner, A. Y., "Kahramanmaraş İli (Türkiye) Teke Böcekleri Faunası (Coleoptera, Cerambycidae)", **Journal of Science**, (Basımda) (2005).
47. Özdikmen, H., Özdemir, Y. and Turgut, S., "Longhorned Beetles Collection of the Nazife Tuatay Plant Protection Museum, Ankara, Turkey (Coleoptera, Cerambycidae)", **Journal of the Entomological Research Society**, (Basımda) (2004a).
48. Rejzek, M. and Hoskovec, M., "Cerambycidae of Nemrut Dağı National Park (Anatolia, South-East Turkey)", **Biocosme Mésogéen Nice**, 15 (4): 257-272 (1999).
49. Rejzek, M., Sama, G. and Alziar, G., "Host Plants of Several Herb-Feeding Cerambycidae Mainly from East Mediterranean Region (Coleoptera: Cerambycidae)", **Biocosme Mésogéen Nice**, 17 (4): 263-294 (2001).
50. Sabbadini, A. and Pesarini, C., "Note su *Purpuricenus budensis* (Goeze) e Specie Afini (Coleoptera, Cerambycidae)", **Bollettino della societa entomologica italiana Genova**, 124 (1): 55-64 (1992).
51. Sama, G., "Contributo allo studio dei coleotteri Cerambycidae di Grecia e Asia Minore", **Fragmenta Entomologica, Roma**, 16 (2): 205-227 (1982).
52. Sama, G., "Contribution a la Connaissance des Longicornes de Grece et d'Asie Mineure (Coleoptera, Cerambycidae)", **Biocosme Mesogéen Nice**, 12 (4): 101-116 (1996).
53. Sama, G., "Atlas of the Cerambycidae of Europe and the Mediterranean Area, Volume I", **Kabourek**, Zlin, 173 pp. (2002).
54. Sama, G. and Rapuzzi, P., "Note Preliminaire pour une faune des Cerambycidae du Liban (Coleoptera, Cerambycidae)", **Lambillionea**, 100 (1): 7-23 (2000).
55. Schmitschek, E., "Forstinsekten der Türkei und Ihre Umwelt Grundlagen der türkischen Forstentomologie", **Volk und Reich Verlag Prag**, 125-141 pp. (1944).
56. Sekendiz, O. A., "Researches on damaging animal species of poplar in Turkey", **K. T. Ü. Orman Fakültesi Yayınları**, No: 3, Trabzon, 194 pp. (1974) (Turkish).
57. Sekendiz, O. A., "Researches on important damaging animal species of Eastern Black Sea Region", **K. T. Ü. Orman Fakültesi Yayınları**, No: 12, Trabzon, 114 pp. (1981) (Turkish).
58. Semenov, A., "Coleoptera Asiatica nova", **Horae Societatis Entomologicae Rossicae**, 34: 303-334 (1900).
59. Tausin, P., "Complement a l'inventaire des Coleopteres Cerambycidae de Turquie", **L'Entomologiste**, 56 (4): 151-153 (2000).

60. Tausin, P., "Correctif a la note: Complement a l'inventaire des Coleopteres Cerambycidae de Turquie", *L'Entomologiste*, 57 (2): 51 (2001).
61. Tezcan, S. and Rejzek, M., "Longhorn beetles (Coleoptera: Cerambycidae) recorded in cherry orchards in Western Turkey", *Zoology in the Middle East*, 27 (2002): 91-100 (2002).
62. Tosun, İ., "The damaging insect species at conifer forests in Mediterranean Region and researches on their predators and parasites", *İ. Ü. Orman Fakültesi Dergisi*, 26 (2): 218-254 (1975) (Turkish).
63. Tozlu, G. and Özbek, H., "The Tropical Fig Borer, *Batocera rufomaculata* (Coleoptera: Cerambycidae), New for Turkey", *Zoology in the Middle East*, 20: 121-124 (2000).
64. Tozlu, G., "Determination of Damaging Insect Species on *Populus tremula* L. in Sarıkamış (Kars) and Studies on Biology of Some Important Species", *Türkiye Entomoloji Dergisi*, 25 (2): 133-146 (2001a) (Turkish).
65. Tozlu, G., "Studies on Species Belonging to Elateridae, Buprestidae, Cerambycidae, Curculionidae (Coleoptera) and Diprionidae (Hymenoptera) Damaging on *Pinus sylvestris* L. in Sarıkamış (Kars) Forests", *Türkiye Entomoloji Dergisi*, 25 (3): 194-204 (2001b) (Turkish).
66. Tozlu, G., Rejzek, M. and Özbek, H., "A contribution to the knowledge of Cerambycidae (Coleoptera) fauna of Turkey. Part I: Subfamilies Prioninae to Cerambycinae", *Biocosme Mésogèen, Nice*, 19 (1-2): 55-94 (2002).
67. Tozlu, G., Rejzek, M. and Özbek, H., "A Contribution to the Knowledge of Cerambycidae (Coleoptera) Fauna of Turkey Part II: Subfamily Lamiinae", *Biocosme Mesogeen, Nice*, 19 (3): 95-110 (2003).
68. Tuatay, N., Kalkandelen, A. and Aysev, N., "Bitki Koruma Müzesi Böcek Kataloğu (1961-1971)", *T. C. Tarım Bakanlığı*, Ankara, 53-55 pp. (1972).
69. Ulusoy, R., Vatanserver, G. and Uygun, N., "The cherry pests, their natural enemies and observations on some important species in Ulukışla (Niğde) and Pozantı (Adana) provinces of Turkey", *Türkiye Entomoloji Dergisi*, 23 (2): 111-120 pp. (1999) (Turkish).
70. Villiers, A., "Cerambycides de Turquie", *L'Entomologiste*, 15 (1-2): 7-11 (1959).
71. Villiers, A., "Coléoptères Cérambycides de Turquie (1. Partie)", *L'Entomologiste*, 23 (1): 18-22 (1967).
72. Winkler, A., "Catalogus Coleopterorum regionis Palaearcticae", *Verlag von Albert Winkler*, 1135-1226 (1924-1932).
73. Yüksel, B., "The damaging insect species at oriental spruce forests and their predators and parasite species -I (Pest Insects)", Yüksek Lisans, *K. T. Ü. Fen Bilimleri Enstitüsü*, Trabzon, 222 pp. (1996) (Turkish with English summary).