

**CONTRIBUTIONS TO THE ELATERIDAE (COLEOPTERA)
FAUNA OF EDREMIT BAY AREA AND IDA MOUNTAIN
OF WESTERN TURKEY**

Tuba Öncül Abacıgil*, Sakin Vural Varlı, Serdar Tezcan***
and Nilay Gülperçin******

* Department of Olive and Olive Processing Technology, Vocational High School of Edremit, University of Balıkesir, 10300 Edremit, Balıkesir/TURKEY. E-mail: abacigil@balikesir.edu.tr

** Department of Biology, Faculty of Arts and Science, University of Balıkesir, 10145 Balıkesir/TURKEY. E-mail: svarli@balikesir.edu.tr

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

**** Natural History Research and Application Center, University of Ege, 35100 Bornova, İzmir/TURKEY. E-mail: nilay.gulpercin@ege.edu.tr

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ABSTRACT: Elateridae specimens collected from Edremit Bay area and Ida Mountain of western Turkey have been evaluated. A total of 11 species belonging to six genera have been recorded. Among the collected species *Ampedus cardinalis* is the first record for Turkey.

KEY WORDS: Elateridae, faunistics, pitfall trap, hibernation trap band, Turkey.

Some faunistical data on Elateridae (Coleoptera) fauna of oak biotopes of Ida Mountain, Western Turkey has been given by Varlı et al. (2010). There is not any detailed study on Elateridae fauna of neither Edremit Bay area nor Ida Mountain of Turkey. In this paper Elateridae species occurring in this area were given.

MATERIAL AND METHODS

Elateridae species were collected by using hibernation trap bands at five olive orchards located near Edremit Bay area (Abacıgil et al., 2010) and also by using sweeping net, pitfall traps and collecting under barks and under stones at 11 locations from Ida Mountain (Fig. 1).

RESULTS

Ampedus cardinalis (Schiodte, 1865)

Material: Ayıderesi, 12.IV.2008, *Pinus brutia* (Pinaceae), under bark, (1). Yedikardeşler, 1.V.2008, *Heracleum platytaenium* Boiss. (Apiaceae), (1). Totally 2 specimens. First record for Turkey.

Cardiophorus nigratissimus Buysson, 1891

Material: Avcılar, 25.II.2006, *Olea europaea* (Oleaceae), hibernation trap-bands, (2). Tayheli, 25.II.2006, *O.europaea*, hibernation trap-band, (1). Yedikardeşler, 31.V.2008, *Heracleum platytaenium* Boiss., (1). Totally 4 specimens. First record for local fauna of Balıkesir.

Cardiophorus sacratus (Erichson, 1840)

Material: Narlı, 25.II.2006, *O.europaea*, hibernation trap-band, (1). Totally 1 specimen. First record for local fauna of Balıkesir.

Cardiophorus vestigialis (Erichson, 1840)

Material: Beypinarı, 05.VII.2008, pitfall trap, (1). Karayaprak Stream location, 16.X.2010, under stone, (1). Nanekırı, 04.VII.2009, pitfall trap, (3). Zeytinli, 09.V.2005, hibernation trap-band, (1). Totally 6 specimens. First record for local fauna of Balıkesir.

Dicronychus cinereus (Herbst, 1784)

Material: Nanekırı, 04.VII.2009, pitfall trap, (1). Totally 1 specimen. Previously reported from oak biotopes of Ida Mountain, Balıkesir (Varlı et al., 2010).

Dicronychus rubripes (Germar, 1824)

Material: Yedikardeşler, 31.V.2008, *Heracleum platytaenium* Boiss., (1). Totally 1 specimen. Previously reported from oak biotopes of Ida Mountain, Balıkesir (Varlı et al., 2010).

Dicronychus senaci (Desbrochers, 1869)

Material: Edremit, Central province 30.V.2005, hibernation trap-band, (1). Totally 1 specimen. Previously reported from oak biotopes of Ida Mountain, Balıkesir (Varlı et al., 2010).

Drasterius bimaculatus (Rossi, 1790)

Material: Avçılar, 09.V.2005, *O.europaea*, hibernation trap-band, (1). Ayvalık, 5.II.2006, *O.europaea*, hibernation trap-band, (1). Narlı, 25.II.2006, *O.europaea*, hibernation trap-band, (1). Totally 3 specimens. Previously reported from oak biotopes of Ida Mountain, Balıkesir (Varlı et al., 2010).

Peripontius dentatus Platia & Schimmel, 1991

Material: Altıparmak, 21.VI.2009, under stone, (1). Ayıderesi, 19.VII.2009, pitfall trap, (1). Beypinarı, 19.VII.2008, *Vicia villosa* Roth. (Fabaceae), (5); 06.IX.2009, pitfall trap, (2). Koçere, 19.VII.2009, pitfall trap, (2); 06.IX.2009, pitfall trap, (2). Totally 13 specimens. First record for local fauna of Balıkesir.

Peripontius ingridae Schimmel, 1996

Material: Gıldırdağ Stream location, 27.VI.2010, under stone, (1). Pelitköy, 25.II.2006, *O.europaea*, hibernation trap-band, (1). Taylıeli, 25.II.2006, *O.europaea*, hibernation trap-band, (1). Zeytinli, 25.II.2006, *O.europaea*, hibernation trap-band, (1). Totally 4 specimens. First record for local fauna of Balıkesir and Çanakkale.

Prosternon tesellatum (Linnaeus, 1758)

Material: Çeyiz Stream location, 05.VII.2008, *Abies nordmanniana* ssp. *equi-trojani* (Asch. & Sint.) (Pinaceae), hibernation trap-band, (1); IX.2008-V.2009, *Abies nordmanniana* ssp. *equi-trojani* (Asch. & Sint.), hibernation trap-band, (1). Kırılmaç Stream location, 17.VII.2010, pitfall trap, (1). Koçere, 06.IX.2009, pitfall trap, (1). Söbüyurt, 16.VIII.2008, pitfall trap, (1). Totally 5 specimens. Previously reported from oak biotopes of Ida Mountain, Balıkesir (Varlı et al., 2010).

DISCUSSION

In this study a total of 11 species belonging to six genera recorded. Of these species five (*Dicronychus cinereus*, *D.rubripes*, *D.senaci*, *D.bimaculatus*, *P.tesellatum*) were recorded previously from this area. Among the collected species *A.cardinalis* is the first record for Turkey. Five of them (*Cardiophorus nigratissimus*, *C.sacratus*, *C.vestigialis*, *Peripontius dentatus*, *P.ingridae*) were recorded for the first time from Balıkesir province and one (*P.ingridae*) from Çanakkale province. 36.59% of material were collected by pitfall traps while 34.15% of material were collected by hibernation trap bands. Among those *P. dentatus* was common species.

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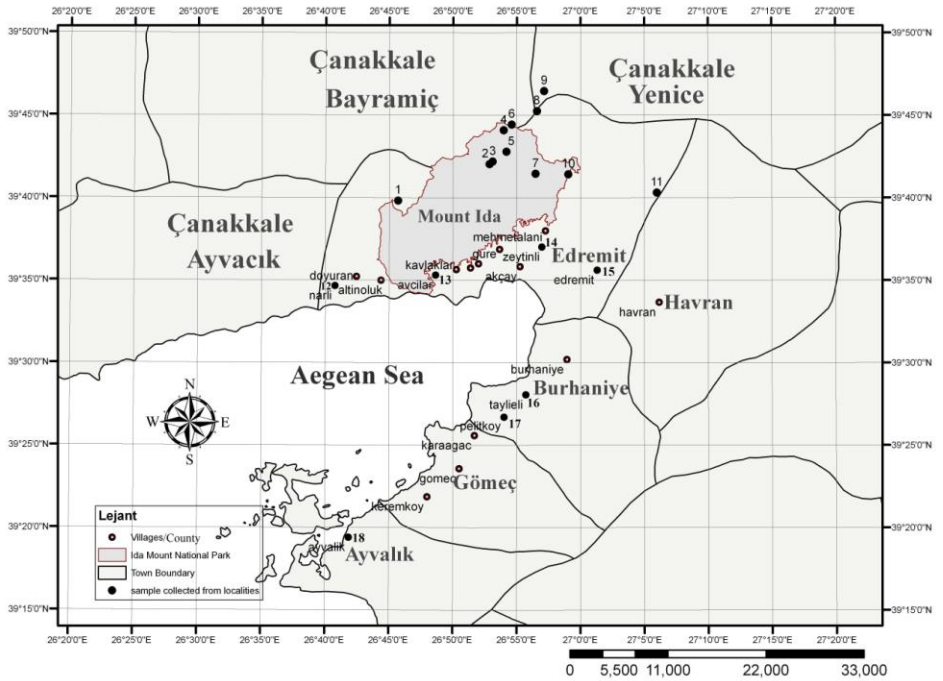


Figure 1. Localities of samples collected from the Ida Mountain and Edremit Bay area. 1. Nanekırı 2. Çeyiz Stream 3. Beypınarı 4. Koçere 5. Altıparmak 6. Kırlangıç Stream 7. Ayıderesi 8. Söbüyurt 9. Gıldırdak Stream 10. Yedikardeşler 11. Karayaprak Stream 12. Narlı 13. Avcılar 14. Zeytinli 15. Edremit, Central Province 16. Tayheli 17. Pelitköy 18. Ayvalık.