

Catalogue of the collection of Pamphagidae, Pyrgomorphidae, Catantopidae and Acrididae (Orthoptera: Acridoidea) preserved in the Prof. Dr. Niyazi Lodos Museum, İzmir, Turkey

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Summary

In this study, Pamphagidae, Pyrgomorphidae, Catantopidae and Acrididae (Orthoptera) material of the Prof. Dr. Niyazi Lodos Museum, İzmir, Turkey have been evaluated. According to the results of studies, a total of 5 species belonging to 5 genera of family Pamphagidae, 3 species belonging to 1 genus of family Pyrgomorphidae, 10 species belonging to 7 genera of family Catantopidae and 49 species belonging to 21 genera of family of Acrididae have been preserved in the collection of Prof. Dr. Niyazi Lodos Museum.

Key words: Catalogue, collection, Fauna, Pamphagidae, Pyrgomorphidae, Catantopidae, Acrididae, Orthoptera, Turkey

Anahtar sözcükler: Katalog, koleksiyon, Fauna, Pamphagidae, Pyrgomorphidae, Catantopidae, Acrididae, Orthoptera, Türkiye

Introduction

As it is known from previous paper (Önder et al., 1999), the entomology museum of the Plant Protection Department of Faculty of Agriculture, Ege University was named in October, 1998 in honour of the Late Prof. Dr. Niyazi Lodos to acknowledge his valuable contributions on different aspects of entomology not only in Turkey but worldwide.

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This museum consists of a rich collection of most of the known groups of insects. It seems useful to present information about these groups in a series of publications.

In this part we would like to evaluate the Pamphagidae, Pyrgomorphidae, Catantopidae and Acrididae (Acridoidea) material of the Prof. Dr. Niyazi Lodos Museum.

Acridoidea fauna of Turkey is quite rich and the studies of Krauss (1896), Uvarov (1928; 1930; 1943), Chopard (1939), Maran (1951), Karabağ (1958; 1959), Cejchan (1964; 1965), Karabağ et al. (1971; 1974; 1980), Demirsoy (1973, 1974), Baloch (1978), Weidner (1979), Akıncı (1980), Yüzbaş (1981) and Stolyarov (1983) have great importance.

Acridoidea material have been collected but have not been published up to now within the research projects by the researchers of Department of Plant Protection, Faculty of Agriculture, University of Ege (Lodos et al., 1978; 1983; 1989 and others). These are preserved in the Prof. Dr. Niyazi Lodos Museum. In addition to these, material collected and given as a gift to the museum by the researchers of Plant Protection Research Institutes, students, amateurs etc. are included in that collection.

The aim of this paper is to present the complete records of preserved Acridoidea material to researchers and relevant persons.

Material and Methods

In this study, the species are listed in alphabetical order within the families. The information concerning specific name, describer and description date, locality and date of collection, place/plant from which the specimens were collected, number of species (in brackets) and determinant (in brackets) were given.

Following abbreviations were used for determinants: (A.A.): Ali Rıza Akıncı; (A.A.B.): Dr. Ahmed Ali Baloch; (K.H.): The Late Prof. Dr. Kurt Harz; (N.L.): The Late Prof. Dr. Niyazi Lodos; (T.K.): Prof. Dr. Tevfik Karabağ.

At the end of work, species index were given.

List of species:

Family: Pamphagidae

1. ***Acinipe davisi*** (Uvarov, 1949)
Antalya (Aksu), 25.IV.1969, on the ground, (1), (K.H.).
2. ***Asiotmethis limbatus*** (Charpentier, 1842)
Tokat (Artova), 2.VII.1978, (1), (K.H.).

3. ***Glyphotmethis ovipennis*** Uvarov, 1934

Amasya (Suluova), 21.I.1978, meadow, (1), (N.L.); Çorum (Central province), 7.VII.1976, (1), (K.H.); (Alaca), 26.VI.1978, meadow, (5), (N.L.); (Bayat), 28.VI.1977, ***Triticum sativa***, (7), (K.H.); (İskilip), 4.VII.1978, weed, (1), (N.L.); (Kargı), 4.VII.1978, (2), (N.L.); (Sungurlu), 25.VI.1977, ***Triticum sativa***, (1), (K.H.).

4. ***Paranocaracris citripes citripes*** Uvarov, 1949

Amasya (Taşova), 1.VII.1978, weed, (1), (K.H.); Tokat (Turhal), 10.VII.1978, meadow, (1), (K.H.).

5. ***Prionotropis maculinervis*** Stal, 1878

Tokat (Zile), 3.VII.1978, (1), (K.H.).

Family: Pyrgomorphidae

6. ***Pyrgomorpha cognata*** Krauss, 1877

Bilecik (Central province), 25.V.1971, (1), (K.H.).

7. ***Pyrgomorpha conica*** (Oliver, 1791)

İzmir (Bornova), 22.XI.1975, (1), (K.H.); Malatya (Central province), 8.VI.1976, (1), (K.H.).

8. ***Pyrgomorpha guentheri*** Burr, 1899

Muş (Central province), 24.VIII.1977, (3), (K.H.).

Family: Catantopidae

9. ***Anacridium aegyptium*** (Linnaeus, 1764)

Adıyaman (Central province), 7.V.1977, (2), (N.L.); Antalya (Central province), 26.IV.1976, (2), (N.L.); Denizli (Pamukkale), 19.IV.1976, on the ground, (3), (N.L.); Diyarbakır (Silvan), 10.VIII.1971, ***Oryza sativa***, (1), (N.L.); Çanakkale (Gökçeada), 24.V.1975, weeds, (5)/27.V.1975, weed, (1), (N.L.)/26.IX.1975, weeds; (2), (N.L.)/15.V.1976, weeds, (4), (N.L.); İçel (Cennet), 22.IV.1976, on the ground, (1), (N.L.); İzmir (Bayındır), 7.VI.1976, (4), (N.L.); (Bornova), 11.V.1975, weed, (1), (N.L.)/14.V.1975, weeds, (3), (N.L.)/16.V.1975, poaceous plants, (4), (N.L.)/20.V.1975, poaceous plants, (1), (N.L.)/26.V.1975, poaceous plants, (27), (N.L.)/28.V.1975, weed, (1), (N.L.)/21.VI.1975, weed, (1), (N.L.)/24.VI.1975, ***Zea mays***, (1), (N.L.)/1975, weeds, (57), (N.L.)/1975, (3), (N.L.)/17.III.1976, (3), (N.L.)/3.V.1976, weed, (1), (N.L.)/14.V.1976, ***Vitis vinifera***, (1), (N.L.)/weeds, (2), (N.L.); (Karaburun-Mordoğan),

17.VIII.1976, (1), **Prunus armeniaca**, (1), (N.L.)/14.IX.1976, weeds, (3), (N.L.)/1976, weeds, (2), (20), (N.L.)/14.IV.1977, weed, (1), (N.L.)/2.V.1977, weeds, (2), (N.L.)/3.V.1977, weeds, (2), (N.L.)/14.V.1977, weed, (1), (N.L.)/19.V.1977, weed, (1), (N.L.)/27.III.1977, (3), (N.L.)/1977, (24), (N.L.)/1.III.1979, (4), (N.L.)/14.XI.1979, (1), (N.L.); (Karşiyaka), 30.V.1976, on the ground, (1), (N.L.); (Menemen), 15.V.1976, **Vitis vinifera**, (1), (N.L.)/20.V.1976, (1), (N.L.)/24.V.1976, weeds, (14), (N.L.)/26.V.1976, weeds, (1), (N.L.); Manisa (Central province), 10.V.1976, (1), (N.L.); (Akhisar), 26.V.1976, weed, (1), (N.L.); Mardin (Central province), 3.VI.1976, (1), (N.L.); (Nusaybin), 13.VIII.1977, weed, (1), (N.L.); Muğla (Central province), 2.4.1975, (1), (N.L.); (Marmaris), 4.IV.1992, (1), (N.L.)/4.IV.1995, (8), (N.L.); Şanlıurfa (Akçakale), 17.VIII.1976, **Gossypium hirsutum**, (1), (N.L.); Zonguldak (Devrek), 4.VI.1976, (2), (N.L.).

10. **Calliptamus barbarus** (Costa, 1836)

Amasya (Central province), 11.X.1977, (1); (K.H.); (Suluova), 11.VIII.1977, (2); (K.H.); (Taşova), 10.VIII.1977, (3); (K.H.); Ankara (Kalecik), 10.VII.1962, (1), (N.L.); Çorum (Alaca), 22.VIII.1978, (1), (K.H.); Diyarbakır (Central province), 18.VII.1977, (2), (K.H.)/13.VIII.1977, **Helianthus annuus**, (1), (N.L.); Elazığ (Central province), 13.VIII.1976, weeds, (19), (N.L.); İzmir (Central province), 20.X.1963, (1), (K.H.); (Bayındır), 26.VII.1976, weeds, (1), (N.L.); (Beydağ), 28.VI.1977, (4), (N.L.); (Bornova), 15.V.1963, weeds, (3), (K.H.)/22.XI.1975, (6), (N.L.); (Güzelbahçe-Kavacık), 9.IX.1976, (11), (N.L.)/11.IX.1976, (18), (N.L.)/17.IX.1976, (2), (N.L.)/19.IX.1976, (2), (N.L.)/4.XI.1976, (3), (N.L.)/21.VI.1977, Poaceous plants, (4), (A.A.B.); (Buca), 6.VIII.1940, (1), (N.L.); (Güzelbahçe-Çatalkaya), 30.VII.1966, (2), (K.H.); (Çeşme), 13.VII.1976, (5), (N.L.)/11.XI.1976, (1), (A.A.B.); (Dikili), 28.VI.1977, (1), (N.L.)/3.VII.1977, (6), (N.L.); (Gümüldür), 20.VIII.1976, (25), (N.L.); (Menemen), 12.VII.1976, (11), (N.L.); (Seferihisar), 23.VIII.1976, (4), (N.L.)/23.IX.1976, (17), (N.L.); (Selçuk), 17.VIII.1976, (33), (N.L.); (Yamanlar Mountain), August 1973, (1), (K.H.); Kahramanmaraş (Andırın), 20.VII.1984, weeds, (8), (N.L.)/20.VII.1987, weed, (1), (N.L.); Muş (Central province), 19.VII.1977, (1), (N.L.)/23.VII.1977, (2), (A.A.)/(1), (N.L.); Samsun (Central province), 5.VIII.1976, (2), (K.H.)/15.VIII.1977, (6), (K.H.); (Ladik), 15.VIII.1978, **Nicotiana tabacum**, (1), (K.H.); Tekirdağ (Central province), 11.VII.1939, (1), (N.L.); Tunceli (Central province), 4.VIII.1977, weeds, (4), (N.L.).

11. **Calliptamus coelesyriensis** (Giglio-Tos, 1893)

Aksaray (Central province), 29.VI.1961, (1), (N.L.); Çorum (İskilip), 28.VI.1961, (1), (N.L.); Muş (Central province), 13.VII.1978, (2), (A.A.).

12. **Calliptamus italicus** (Linnaeus, 1758)
İzmir (Çiğli), 11.VII.1976, (9), (A.A.B.); Samsun (Central province),
5.VIII.1976, (13), (N.L.).

13. **Calliptamus tenuicercis** Tarbinski, 1930

İzmir (Bornova), 13.VIII.1976, 13, (A.A.B.); (Menemen), 12.VII.1976, (2),
(A.A.B.); Muş (Central province), 11.VIII.1976, (1), (A.A.)/22.VIII.1977, (1),
(A.A.)/23.VIII.1977, (1), (K.H.).

14. **Eyprepocnemis plorans** (Charpentier, 1825)

Adana (Central province), 13.VIII.1971, (2), (K.H.); Adıyaman (Central
province), 7.IX.1979, **Nicotiana tabacum**, (6), (N.L.); (Kahta), 6.IX.1979,
(12), (N.L.); Diyarbakır (Central province), 30.IX.1976, **Oryza sativa**, (1),
(N.L.); (Devegeçidi), 12.IX.1976, **Gossypium hirsutum**, (1), (N.L.); (Silvan),
19.VIII.1976, **Oryza sativa**, (1), (N.L.) / **Oryza sativa**, (2), (N.L.); Elazığ
(Karakoçan), 10.VIII.1976, **Oryza sativa**, (1), (N.L.); Kayseri (Central province),
18.IX.1962, **Beta vulgaris**, (1), (K.H.); Siirt (Central province), 8.IX.1976,
Oryza sativa, (1), (N.L.); Batman (Kozluk), 27.VI.1979, **Nicotiana tabacum**,
(3), (N.L.); Şanlıurfa (Siverek), 13.VIII.1976, **Oryza sativa**, (1), (N.L.)/
17.VIII.1976, **Oryza sativa**, (1), (N.L.).

15. **Pezotettix giornae** (Rossi, 1794)

Ordu (Ünye), August 1972, (1), (K.H.); Samsun (Alaçam), 19.IX.1977,
meadow, (2), (K.H.); (Terme), 12.IX.1978, meadow, (1), (N.L.).

16. **Schistocerca gregaria** (Forsk., 1775)

İzmir (Seferihisar-Sığacık), 5.XII.1988, (13), (N.L.).

17. **Thisoicetrinus pterostichus** (Fischer-Waldheim, 1833)

Diyarbakır (Central province), 3.IX.1976, **Oryza sativa**, (1), (K.H.)/
18.VII.1977, **Gossypium hirsutum**, (8), (N.L.); (Silvan), 10.VIII.1971, **Oryza
sativa**, (1), (K.H.); Mardin (Nusaybin), 20.VII.1977, **Gossypium hirsutum**,
(2), (N.L.); Muş (Varto), 24.VIII.1977, (14), (K.H.); Siirt (Kurtalan), 4.VIII.1976,
Oryza sativa, (1), (N.L.) / 5.IX.1977, **Gossypium hirsutum**, (3), (N.L.);
Şanlıurfa (Akçakale), 17.VIII.1976, **Gossypium hirsutum**, (1), (N.L.).

18. **Tropidopola graeca graeca** Uvarov, 1926

Adıyaman (Central province), 26.IX.1977, **Oryza sativa**, (4), (N.L.);
(Beşyol), 2.VII.1977, (4), (N.L.)/27.IX.1977, **Oryza sativa**, (13), (N.L.); İzmir

(Bergama), 22.V.1977, (6), (N.L.); (Gümüldür), 11.IV.1984, weeds, (2), (N.L.); (Selçuk), 12.X.1976, (2), (N.L.); (Karşiyaka-Şemikler), 9.VI.1975, weed, (1), (N.L.) /22.VI.1975, Zea mays, (1), (N.L.); (Kiraz), 13.VII.1983, weed, (1), (N.L.); Manisa (Akhisar), 28.V.1976, weed, (1), (N.L.); (Turgutlu), 24.III.1976, (1), (N.L.).

Family: Acrididae

19. *Acrida ungarica anatolica* Dirsh, 1949

Amasya (Göynücek), 11.X.1977, meadow, (2), (K.H.); (Taşova), 10.VIII.1977, ***Triticum sativa***, (3), (K.H.)/12.X.1979, meadow, (1), (K.H.); Ankara (Kalecik), July 1962, (3), (K.H.); İzmir (Bornova), 19.X.1912, (1), (K.H.)/12.III.1962, (1), (K.H.)/20.X.1963, weed, (1), (K.H.)/15.VIII.1964, weed, (1), (K.H.)/Muş (Central province), 6.VIII.1978, (1), (K.H.)/18.VIII.1978, (1), (N.L.); Samsun (Central province), 17.VIII.1977, weed, (1), (K.H.); (Çarşamba), 17.VIII.1977, weeds, (2), (K.H.); (Terme), 12.IX.1978, bush, (2), (K.H.).

20. *Acrotylus insubricus* (Scopoli, 1786)

Amasya (Central province), 19.VIII.1977, (1), (K.H.)/19.IX.1977, (1), (K.H.)/11.X.1977, (1), (K.H.); (Göynücek), 3.V.1977, (1), (K.H.); (Gümüşhacıköy), 11.X.1977, (3), (K.H.); (Merzifon), 11.X.1977, ***Triticum sativa***, (1), (K.H.); (Suluova), 11.X.1977, (6), (K.H.); (Taşova), 10.VIII.1977, meadow, (2), (K.H.); Çorum (Central province), 1.V.1977, (1), (K.H.)/May 1973, (1), (K.H.); Diyarbakır (Malabadi), 12.VIII.1976, (1), (K.H.); İzmir (Bornova), July 1962, (1), (K.H.)/19.III.1975, (1), (K.H.)/26.V.1975, (1), (K.H.)/04.V.1976, (1), (K.H.)/18.VI.1976, (1), (K.H.)/04.XI.1976, (1), (K.H.)/04.IV.1977, (1), (K.H.)/25.IV.1977, (1), (K.H.)/01.V.1977, (1), (K.H.)/27.V.1977, (1), (K.H.); (Kiraz), 15.IX.1983, (1), (K.H.); Kastamonu, 29.IV.1976, (2), (K.H.); Muş (Varto), 19.VIII.1977, (4), (K.H.); Niğde (Central province), July 1962, (2), (K.H.); Samsun (Alaçam), 19.IX.1977, (2), (K.H.); (Vezirköprü), June 1973, (1), (K.H.); Tokat (Erbaa), 10.VIII.1977, ***Triticum sativa***, (3), (K.H.); (Niksar), 12.X.1977, ***Triticum sativa***, (3), (K.H.); (Zile), 24.V.1977, (1), (K.H.).

21. *Acrotylus longipes* (Charpentier, 1845)

Muş (Central province), 21.VII.1977, (3), (K.H.); Samsun (Central province), 19.VIII.1977, (5), (K.H.)/19.IX.1977, (1), (K.H.); (Alaçam), 19.VIII.1977, (5), (K.H.)/19.IX.1977, (3), (K.H.).

22. *Acrotylus patunuelis* (Herrich-Schaeffer, 1838)

Adana (Central province), 13.V.1971, (2), (K.H.); Bursa (Central province), 03.VI.1976, ***Nicotiana tabacum***, (2), (K.H.); İstanbul (Kartal-Cevizli),

27.V.1973, weed, (1), (K.H.); 20.VIII.1976, **Nicotiana tabacum**, (1) (K.H.); İzmir (Bornova), 21.VI.1976, weed, (1), (K.H.)/21.VI.1977, poaceous plants, (1), (K.H.); Manisa (Akhisar), 28.V.1976, weed, (1), (K.H.);

23. **Aioloopus strepens** (Latreille, 1804)

Adıyaman (Central province), 7.VIII.1979, (1), (N.L.); Bursa (Central province), 3.VI.1976, **Nicotiana tabacum**, (2), (N.L.); Diyarbakır (Silvan), 14.VII.1978, **Gossypium hirsutum**, (4), (N.L.); İzmir (Bornova), 10.XI.1962, (6), (K.H.); Samsun (Çarşamba), 11.VIII.1977, weed, (1), (K.H.)/17.VIII.1977, weeds, (6), (K.H.)/21.IX.1977, weeds, (2), (K.H.); Tokat (Central province), 12.X.1977, (1), (K.H.).

24. **Aioloopus thalassinus** (Fabricius, 1781)

Adıyaman (Central province), 14.VIII.1976, **Oryza sativa**, (2), (N.L.); Diyarbakır (Silvan), 10.VIII.1971, (13), (K.H.); İzmir (Bornova), 22.XI.1975, (9), (N.L.); Konya (Central province), 10.II.1962, (2), (K.H.); Muş (Varto), 24.VIII.1977, (5), (N.L.); Niğde (Central province), 12.VII.1962, (2), (K.H.); Samsun (Central province), 15.VIII.1977, meadow, (1), (K.H.); (Alaçam), 19.VIII.1977, meadow, (1), (K.H.)/22.VIII.1978, meadow, (1), (K.H.); Tokat (Niksar), 12.X.1977, **Triticum sativa**, (1), (K.H.).

25. **Celes variabilis** (Pallas, 1771)

Muş (Bulanık), 16.VII.1977, (2), (N.L.)/22.VII.1977, (3), (N.L.).

26. **Chorthippus albomarginatus** De Geer, 1773

Diyarbakır (Central province), 18.VII.1977, (1), (N.L.); Elazığ (Central province), 10.IX.1976, **Oryza sativa**, (3), (K.H.); Muş (Central province), 18.VII.1977, (4), (K.H.); Samsun (Central province), 6.VIII.1976, (1), (N.L.)/20.IX.1977, meadow, (4), (K.H.); (Alaçam), 12.IX.1978, meadow, (1), (N.L.); (Bafra), 19.IX.1977, meadow, (1), (K.H.); (Ladik), 19.VIII.1977, meadow, (4), (N.L.)/25.IX.1978, meadow, (1), (N.L.); Siirt (Sason), 17.VII.1980, **Nicotiana tabacum**, (1), (N.L.); Tunceli (Central province), 4.VIII.1977, weeds, (1), (K.H.).

27. **Chorthippus apricarius** (Linnaeus, 1758)

Ordu (Ulubey), 3.VIII.1976, (1), (K.H.).

28. **Chorthippus biguttulus** (Linnaeus, 1758)

Amasya (Gökçeköy), 18.IX.1978, meadow, (1), (N.L.); Aydın (Kuşadası), 1.VI.1977, (1), (N.L.); Çorum (Sungurlu), 25.VI.1977, meadow, (1), (K.H.); İstanbul (Kartal-Cevizli), 20.VIII.1976, **Nicotiana tabacum**, (2), (N.L.); İzmir

(Bornova), 4.VI.1976, on the ground, (1), (N.L.); (Karşiyaka), 24.VI.1976, weeds, (1), (K.H.); (Seferihisar), 23.VIII.1976, (1), (K.H.); Niğde (Ünye), 26.VII.1975, weeds, (1), (K.H.); Samsun (Central province), 5.VIII.1976, (1), (K.H.)/20.IX.1977, meadow, (1), (K.H.); (Ladik), 1.VII.1978, **Quercus** spp., (1), (K.H.); Tokat (Almus), 2.VII.1978, bush, (1), (N.L.); (Turhal), 26.IX.1978, (1), (N.L.).

29. **Chorthippus brunneus** (Thunberg, 1815)

Amasya (Göynücek), 11.X.1977, meadow, (1), (K.H.); (Taşova), 25.IX.1978, **Nicotiana tabacum**, (1), (N.L.); Samsun (Central province), 15.VIII.1978, meadow, (1), (N.L.); (Ladik), 1.VII.1978, **Quercus** spp., (2), (N.L.); Tokat (Niksar), 12.X.1977, **Triticum sativa**, (1), (K.H.)/25.IX.1978, **Trifolium** spp., (1), (K.H.); (Turhal), 26.IX.1978, bush, (1), (K.H.).

30. **Chorthippus dichrous** (Eversmann, 1859)

Erzurum (Central province), 9.VIII.1977, weed, (1), (K.H.); İzmir (Bornova), 11.XI.1983, weed, (1), (K.H.); Niğde (Central province), 12.VII.1962, (1), (K.H.).

31. **Chorthippus loratus** (Fischer- Waldheim, 1846)

Adana (Central province), 13.VIII.1971, (1), (K.H.); Çorum (Ortaköy), 26.IX.1977, meadow, (1), (K.H.); Diyarbakır (Central province), 30.VII.1976, **Oryza sativa**, (2), (K.H.); (Silvan), 18.VII.1971, weeds, (1), (K.H.); Elazığ (Central province), 10.IX.1976, **Oryza sativa**, (1), (K.H.)/(Tahir Pass), 5.VIII.1977, weeds, (1), (K.H.); Samsun (Central province), 15.VIII.1977, meadow, (1), (N.L.)/17.VIII.1977, meadow, (8), (K.H.)/21.IX.1977, meadow, (6), (K.H.)/12.IX.1978, meadow, (2), (N.L.); (Alaçam), 9.IX.1977, meadow, (1), (K.H.); (Bafra), 22.IX.1977, meadow, (1), (N.L.); (Çarşamba), 17.VIII.1977, weeds, (1), (K.H.); Van (Central province), 9.VIII.1977, (1), (K.H.).

32. **Chorthippus macrocerus** (Fischer- Waldheim, 1846)

Muş (Central province), 27.VII.1978, (1), (K.H.)/26.IX.1978, (1), (K.H.); (Bulanık), 28.VII.1977, (1), (K.H.); Samsun (Central province), 20.IX.1977, meadow, (2), (K.H.); (Ladik), 25.IX.1978, (4), (N.L.).

33. **Chorthippus mollis** (Charpentier, 1825)

Çorum (Mecitözü), 23.VIII.1978, meadow, (1), (K.H.); Muş (Central province), 18.VII.1978, (2), (K.H.); (Varto), 24.VIII.1977, (1), (K.H.); Samsun (Central province), 15.VIII.1977, meadow, (5), (K.H.).

34. **Chorthippus paralellus** (Zetterstedt, 1821)

Muş (Central province), 18.VII.1977, (1), (K.H.)/19.VII.1977, (3), (N.L.)/21.VII.1977, (1), (N.L.); (Ortaç), 14.VII.1976, (1), (N.L.).

35. **Chorthippus pygmaeus** (Bei-Bienko, 1931)

Bitlis (Nemrut), 3.VIII.1977, weed, (1), (K.H.).

36. **Chorthippus vagans** (Eversmann, 1848)

Ağrı (Tendürek Mountain), 7.VIII.1977, **Triticum sativa**, (1), (K.H.);
Ordu (Ulubay), 3.VIII.1976, (1), (K.H.).

37. **Dociostraurus anatolicus** (Krauss, 1896)

Amasya (Central province), 11.VIII.1977, meadow, (2), (N.L.); (Merzifon),
16.VIII.1976, (1), (N.L.); (Taşova), 15.VIII.1978, meadow, (1), (N.L.); Diyarbakır
(Central province), 3.IX.1976, **Oryza sativa**, (1), (N.L.); İzmir (Güzelyalı),
6.IV.1977, (1), (K.H.); Manisa (Muradiye), 7.VIII.1977, weed, (1), (K.H.); Muş
(Central province-Yolgözler), 10.VIII.1976, (2), (K.H.); (Central province),
18.VII.1977, (2), (N.L.)/19.VII.1977, (2), (N.L.)/20.VII.1977, (1), (N.L.); Tokat
(Zile), 11.VIII.1977, **Triticum sativum**, (1), (N.L.)/9.VII.1978, (1), (N.L.)/
10.VII.1978, (3), (N.L.)/17.VIII.1978, (1), (N.L.); Tunceli (Central province),
4.VIII.1977, weeds, (2), (K.H.); Van (Central province), 8.VIII.1977, weed, (1),
(K.H.).

38. **Dociostraurus brevicollis** (Eversmann, 1848)

Çorum (Central province), 7.VII.1976, (1), (K.H.)/29.VI.1977, meadow,
(1), (K.H.); İzmir (Central province), 9.VI.1975, weeds, (1), (N.L.); Muş (Central
province), 19.VII.1977, (1), (N.L.)/20.VII.1977, (1), (N.L.); (Bulanık), 22.VII.
1977, (1), (N.L.); (Ortaç), 14.VII.1976, (2), (N.L.); Tokat (Turhal), 12.VIII.1977,
meadow, (1), (K.H.).

39. **Dociostraurus genei** (Ocskay, 1832)

Muş (Central province), 20.VII.1977, (7), (K.H.).

40. **Dociostraurus hauensteini** (Bolivar, 1893)

Muş (Central province-Yolgözler) 10.VIII.1976, (1), (N.L.); (Central province),
27.VI.1977, (1), (N.L.)/19.VII.1977, (1), (N.L.); (Varto), 26.VI.1977, (1), (K.H.).

41. **Dociostraurus maroccanus** (Thunberg, 1815)

Amasya (Suluova), 21.VI.1978, meadow, (1), (N.L.); Çorum (Central
province), 25.VI.1977, meadow, (1), (N.L.); (Mecitözü), 30.VI.1977, (1), (N.L.);
İzmir (Bornova), 24.V.1975, weeds, (1), (K.H.)/7.VII.1976, **Humulus
lupulus**, (1), (K.H.)/16.VI.1977, weeds, (1), (N.L.); (Güzelyalı), 4.VI.1962, (1),
(K.H.); (Karaburun), 16.VI.1976, (1), (K.H.); Samsun (Central province),
20.IX.1977, meadow, (1), (K.H.); (Havza), 30.VI.1977, meadow, (2), (K.H.);

Tokat (Turhal), 6.VII.1976, (6), (K.H.)/11.VIII.1977, meadow, (1), (K.H.); (Zile), 21.VI.1978, **Lens culinaris**, (1), (N.L.).

42. **Duroniella laticornis** (Krauss, 1909)

İzmir (Bornova), 24.V.1962, (1), (K.H.)/3.V.1977, weeds, (1), (N.L.); (Selçuk), 24.V.1976, (1), (K.H.).

43. **Euchorthippus pulvinatus pulvinatus** (Fischer-Waldheim, 1846)

Ağrı (Doğu Beyazıt), 6.VIII.1977, weed, (1), (K.H.); Muş (Central province), 18.VII.1978, (3), (K.H.); Tunceli (Central province), 4.VIII.1977, weeds, (2), (K.H.).

44. **Glyptobothrus bornhalmi** Harz, 1971

İzmir (Central province), 15.VII.1962, (1), (K.H.); (Yamanlar Mountain), August 1973, (2), (K.H.).

45. **Heliopteryx humeralis** (Kuty, 1907)

Muş (Central province), 21.VII.1977, (7), (K.H.).

46. **Locusta migratoria** Linnaeus, 1758

Balıkesir (Kepsut), 18.IX.1976, **Beta vulgaris**, (1), (N.L.); Diyarbakır (Central province), 3.IX.1976, **Oryza sativa**, (2), (N.L.)/30.IX.1976, **Oryza sativa**, (1), (N.L.); (Devegeçidi), 12.IX.1976, (3), (N.L.); (Silvan), 16.VI.1976, **Gossypium hirsutum**, (1), (N.L.)/19.VIII.1976, **Oryza sativa**, (1), (N.L.)/22.IX.1976, **Oryza sativa**, (3), (N.L.); İzmir (Bornova), 20.III.1977, weeds, (1), (N.L.); (Çeşme), 11.XI.1975, (4), (N.L.); (Dikili), 3.VII.1977, weeds, (1), (N.L.); (Gültepe), 14.IV.1977, (3), (N.L.); (Seferihisar), 23.VIII.1976, (1), (N.L.); Aydın (Kuşadası), 1.VI.1977, (1), (N.L.); Mardin (Silopi), 7.IX.1976, **Oryza sativa**, (4), (N.L.); Muğla (Central province), 8.VIII.1976, weeds, (3), (N.L.); Samsun (Çarşamba), July 1973, (1), (N.L.)/17.VIII.1976, (2), (N.L.)/21.IX.1977, weeds, (1), (K.H.); Şanlıurfa (Siverek), 20.VIII.1976, **Oryza sativa**, (1), (N.L.).

47. **Ochrilidia gracilis** Krauss, 1896

Muş (Central province), 19.VII.1977, (1), (K.H.).

48. **Oedaleus decorus** (Germar, 1826)

Amasya (Merzifon), 16.VIII.1976, (1), (K.H.); Bitlis (Nemrut), 9.VIII.1977, weeds, (3), (N.L.); İzmir (Dikili), 3.VII.1977, (4), (N.L.); (Karaburun), July 1978, (1), (N.L.); Muş (Central province), 19.VII.1977, (2), (K.H.); Samsun (Central

province), 14.VI.1977, weeds, (1), (N.L.)/20.VIII.1977, (2), (K.H.); Tunceli (Central province), 4.VIII.1977, weeds, (2), (N.L.).

49. **Oedipoda aurea** Uvarov, 1923

Elazığ (Central province), 10.VIII.1976, **Oryza sativa**, (1), (K.H.); Muş (Varto), 21.VII.1977, (4), (K.H.).

50. **Oedipoda coerulescens** (Linnaeus, 1758)

Diyarbakır (Central province), (1), (K.H.); İzmir (Bornova), 6.V.1976, weed, (1), (N.L.); (Yamanlar Mountain), 8.VI.1977, (2), (N.L.); Aydın (Kuşadası), 11.VIII.1976, (2), (N.L.); Muş (Central province-Karakütük), 11.VIII.1976, **Nicotiana tabacum**, (1), (N.L.); Muş (Central province), 18.VII.1977, (3), (N.L.)/10.VIII.1977, (2), (K.H.); Samsun (Central province), 15.VIII.1977, (2), meadow, (K.H.); (Bafra), 22.VII.1976, (1), meadow, (K.H.)/19.VIII.1977, (2), (N.L.).

51. **Oedipoda germanica** (Latreille, 1804)

İzmir (Bornova), 1.VI.1976, weed, (1), (K.H.)/18.VI.1976, weed, (2), (K.H.)/20.VI.1976, weeds, (3), (K.H.); 21.VI.1976, (3), (K.H.); (Seferihisar), 7.VIII.1978, weeds, (1), (N.L.); (Selçuk), 12.X.1976, weed, (2), (N.L.); Muş (Central province), 17.VIII.1978, (1), (K.H.); (Varto), 16.VIII.1978, (1), (K.H.); Van (Central province), 8.VIII.1977, weed, (1), (K.H.).

52. **Oedipoda miniata** (Pallas, 1771)

Adıyaman (Central province), 7.IX.1979, (1), (N.L.); Amasya (Taşova), 10.VIII.1977, meadow, (2), (K.H.); İzmir (Bornova), 11.VI.1976, weed, (1), (N.L.)/18.VI.1976, weeds, (2), (N.L.)/21.VI.1977, poaceous plants, (6), (N.L.)/ (Karaburun), 20.VI.1976, weeds, (2), (N.L.); (Mordoğan), 13.VII.1971, on the ground, (1), (K.H.); Konya (Çumra), 12.VII.1962, (2), (K.H.); Manisa (Salihli), 19.VI.1976, weeds, (3), (N.L.); Muş (Central province), 19.VII.1977, (2), (N.L.)/20.VII.1977, (1), (N.L.); (Abulel), 15.VII.1976, (2), (N.L.); (Bağlar), 13.VIII.1976, (2), (N.L.); (Varto), 21.VII.1977, (1), (N.L.); Samsun (Central province), 19.VIII.1977, (1), (N.L.); (Geyikkoşan), 7.VII.1977, (4), (N.L.); Tokat (Erbaa), 5.VII.1976, (2), (N.L.); (Turhal), 6.VII.1976, (1), (N.L.); Van (Central province), 8.VIII.1977, weeds, (2), (N.L.).

53. **Oedipoda schohi** Saussure, 1884

Ağrı (Central province), 9.VIII.1977, weeds, (4), (K.H.); Antalya (Central province), 3.VIII.1975, **Cicer arietinum**, (1), (K.H.); Muş (Central province), 20.VII.1972, (1), (K.H.); Tokat (Zile), 17.VIII.1978, (1), (K.H.); Van (Başkale), 8.VIII.1977, weed, (1), (K.H.).

54. **Omocestus haemorrhoidalis** (Charpentier, 1825)

Samsun (Central province), 15.VIII.1977, meadow, (1), (N.L.)/19.VIII.1977, meadow, (2), (N.L.); (Alaçam), 18.VIII.1977, meadow, (2), (N.L.); (Çarşamba), 17.VIII.1977, weed, (1), (N.L.)/21.VIII.1977, weed, (1), (N.L.); (Terme), 12.IX.1978, bush, (1), (N.L.); Tokat (Turhal), 11.VIII.1977, meadow, (9), (K.H.)/12.X.1977, meadow, (1), (K.H.).

55. **Omocestus petraeus** (Brisout, 1855)

Samsun (Central province), 5.VIII.1976, (1), (K.H.); Tokat (Turhal), 12.X.1977, meadow, (3), (N.L.).

56. **Omocestus ventralis** (Zetterstedt, 1821)

İzmir (Bornova), 24.V.1976, weed, (1), (N.L.)/21.VI.1976, weeds, (3), (N.L.)/8.IX.1976, (1), (K.H.); Samsun (Central province), 15.VI.1978, meadow, (3), (N.L.); (Çarşamba), 5.VII.1977, **Triticum sativa**, (1), (K.H.)/17.VIII.1977, weeds, (3), (K.H.)/15.VI.19831, (N.L.); (Geyikkoşan), 7.VII.1977, (1), (K.H.).

57. **Paracinema tricolor bisignata** (Charpentier, 1825)

Çorum (Central province), May 1973, (1), (K.H.); Samsun (Çarşamba), 17.VIII.1977, (1), (N.L.).

58. **Pararcyptera microptera** (Fischer- Waldheim, 1833)

Muş (Varto), 23.VI.1978, (2), (K.H.).

59. **Pyrgodera armata** (Fischer- Waldheim, 1820)

Isparta (Central province), 29.VII.1969, (1), (K.H.); Muş (Central province-Yolgözler), 10.VIII.1976, (1), (N.L.); (Central province), 27.VI.1977, (1), (N.L.); (Bulanık), 22.VII.1977, (2), (N.L.); Tunceli (Central province), 4.VIII.1977, weeds, (8), (N.L.).

60. **Ramburiella turcomana** (Fischer- Waldheim, 1833)

Amasya (Merzifon), 16.VIII.1976, (1), (N.L.); Çorum (Central province), 7.VII.1976, (2), (N.L.); Muş (Central province), 13.VII.1976, (2), (N.L.); Tokat (Zile), 11.VIII.1977, **Triticum sativa**, (1), (N.L.).

61. **Sphingonotus carinatus** (Saussure, 1888)

Niğde (Central province), 12.VII.1962, (1), (K.H.).

62. **Sphingonotus coerulipes coerulipes** Uvarov, 1922

İzmir (Bornova), 8.6.1976, (1), (N.L.)/20.6.1976, (3), (N.L.)/21.6.1976, weeds, (3), (N.L.)/18.7.1976, on the ground, (8), (N.L.); Şanlıurfa (Hilvan), 22.VII.1977, (1), (K.H.).

63. **Sphingonotus nebulosus anatolicus** Uvarov, 1930

Çorum (Kargı), 28.VI.1977, (1), (N.L.); Konya (Çumra), 12.VII.1962, (1), (K.H.).

64. **Sphingonotus rubescens** (Walker, 1870)

İzmir (Central province), 15.V.1963, (2), (K.H.)/ (Bornova), 16.VII.1961, (3), (K.H.)/11.VI.1976, weed, (1), (K.H.)/16.VI.1976, weed, (1), (K.H.)/18.VI.1976, weeds, (8), (K.H.)/20.VI.1976, weeds, (2), (K.H.)/21.VI.1976, weeds, (3), (K.H.)/23.VI.1976, weed, (1), (K.H.); Manisa (Salihli), 18.VI.1976, weeds, (2), (K.H.); Muş (Malazgirt), 15.VIII.1978, (5), (K.H.).

65. **Sphingonotus turcicus** Uvarov, 1930

İzmir (Bornova), 18.VI.1976, weeds, (5), (N.L.)/21.VI.1976, weeds, (2), (N.L.)/18.VII.1976, on the ground, (3), (N.L.); Şanlıurfa (Hilvan), 22.VII.1977, (1), (K.H.).

66. **Stenobothrus fischeri** (Eversmann, 1848)

Diyarbakır (Silvan), 14.VII.1977, **Gossypium hirsutum**, (1), (N.L.); Tokat (Almus), 2.VII.1978, (1), (N.L.); (Turhal), 6.VII.1976, (1), (K.H.).

67. **Stenobothrus zুবovskii** Bolivar, 1899

Çorum (Central province), 7.VII.1976, (3), (N.L.)/25.VI.1977, meadow, (5), (N.L.); Muş (Varto), 20.VII.1977, (1), (N.L.)/26.VII.1977, (2), (N.L.); Tokat (Turhal), 6.VII.1976, (1), (N.L.).

Discussion

In consequence of this study, it has been observed that a total of 5 species belonging to 5 genera of family Pamphagidae, 3 species belonging to 1 genus of family Pyrgomorphidae, 10 species belonging to 7 genera of family Catantopidae and 50 species belonging to 2 genera of family of Acrididae have been preserved in the collection of Prof. Dr. Niyazi Lodos Museum. Among these **Anacridium aegyptium** (Linnaeus, 1764), **Acrotylus insubricus** (Scopoli, 1786), **Locusta migratoria** Linnaeus, 1758 and **Oedipoda miniata** (Pallas, 1771) are richer species than others in collection.

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Species index

<i>aegyptium</i> (Linnaeus, 1764), <i>Anacridium</i>	9
<i>albomarginatus</i> De Geer, 1773, <i>Chorthippus</i>	26
<i>anatolicus</i> (Krauss, 1896), <i>Dociostaurus</i>	37
<i>apricarius</i> (Linnaeus, 1758), <i>Chorthippus</i>	27
<i>armata</i> (Fischer-Waldheim, 1820), <i>Pyrgodera</i>	59
<i>aurea</i> Uvarov, 1923, <i>Oedipoda</i>	49
<i>barbarus</i> (Costa, 1836), <i>Calliptamus</i>	10
<i>biguttulus</i> (Linnaeus, 1758), <i>Chorthippus</i>	28
<i>bornhalmi</i> Harz, 1971, <i>Glyptobothrus</i>	44
<i>brevicollis</i> (Eversmann, 1848), <i>Dociostaurus</i>	38
<i>brunneus</i> (Thunberg, 1815), <i>Chorthippus</i>	29
<i>carinatus</i> (Saussure, 1888), <i>Sphingonotus</i>	61
<i>citripes citripes</i> Uvarov, 1949, <i>Paranocaracris</i>	4
<i>coelesyriensis</i> (Giglio-Tos, 1893), <i>Calliptamus</i>	11
<i>coerulescens</i> (Linnaeus, 1758), <i>Oedipoda</i>	50
<i>coerulipes coerulipes</i> Uvarov, 1922, <i>Sphingonotus</i>	62
<i>cognata</i> Krauss, 1877, <i>Pyrgomorpha</i>	6
<i>conica</i> (Oliver, 1791), <i>Pyrgomorpha</i>	7
<i>davisi</i> (Uvarov, 1949), <i>Acinipe</i>	1
<i>decorus</i> (Germar, 1826), <i>Oedaleus</i>	48
<i>dichrous</i> (Eversmann, 1859), <i>Chorthippus</i>	30
<i>fischeri</i> (Eversmann, 1848), <i>Stenobothrus</i>	66
<i>genei</i> (Ocskay, 1832), <i>Dociostaurus</i>	39
<i>germanica</i> (Latreille, 1804), <i>Oedipoda</i>	51
<i>giornae</i> (Rossi, 1794), <i>Pezotettix</i>	15
<i>gracilis</i> Krauss, 1896, <i>Ochrilidia</i>	47
<i>graeca graeca</i> Uvarov, 1926, <i>Tropidopola</i>	18
<i>gregaria</i> (Forsk. 1775), <i>Schistocerca</i>	16
<i>guentheri</i> Burr, 1899, <i>Pyrgomorpha</i>	8
<i>haemorrhoidalis</i> (Charpentier, 1825), <i>Omocestus</i>	54
<i>hauensteini</i> (Bolivar, 1893), <i>Dociostaurus</i>	40
<i>humeralis</i> (Kuty, 1907), <i>Heliopteryx</i>	45
<i>insubricus</i> (Scopoli, 1786), <i>Acrotylus</i>	20
<i>italicus</i> (Linnaeus, 1758), <i>Calliptamus</i>	12
<i>laticornis</i> (Krauss, 1909), <i>Duroniella</i>	42
<i>limbatus</i> (Charpentier, 1842), <i>Asiotmethis</i>	2
<i>longipes</i> (Charpentier, 1845), <i>Acrotylus</i>	21
<i>loratus</i> (Fischer-Waldheim, 1846), <i>Chorthippus</i>	31
<i>macrocerus</i> (Fischer-Waldheim, 1846), <i>Chorthippus</i>	32
<i>maculinervis</i> Stal, 1878, <i>Prionotropis</i>	5
<i>maroccanus</i> (Thunberg, 1815), <i>Dociostaurus</i>	41
<i>microptera</i> (Fischer-Waldheim, 1833), <i>Pararcyptera</i>	58
<i>migratoria</i> Linnaeus, 1758, <i>Locusta</i>	46
<i>miniata</i> (Pallas, 1771), <i>Oedipoda</i>	52
<i>mollis</i> (Charpentier, 1825), <i>Chorthippus</i>	33
<i>nebulosus anatolicus</i> Uvarov, 1930, <i>Sphingonotus</i>	63

<i>ovipennis</i> Uvarov, 1934, <i>Glyphotmethis</i>	3
<i>paralellus</i> (Zetterstedt, 1821), <i>Chorthippus</i>	34
<i>patunuelis</i> (Herrich-Schaeffer, 1838), <i>Acrotylus</i>	22
<i>petraeus</i> (Brisout, 1855), <i>Omocestus</i>	55
<i>plorans</i> (Charpentier, 1825), <i>Eyprepocnemis</i>	14
<i>pterostichus</i> (Fischer-Waldheim, 1833), <i>Thisoicetrinus</i>	17
<i>pulvinatus pulvinatus</i> (Fischer-Waldheim, 1846),	43
<i>pygmaeus</i> (Bei-Bienko, 1931), <i>Chorthippus</i>	35
<i>rubescens</i> (Walker, 1870), <i>Sphingonotus</i>	64
<i>schohi</i> Saussure, 1884, <i>Oedipoda</i>	53
<i>strepens</i> (Latreille, 1804), <i>Aiolopus</i>	23
<i>tenuicercis</i> Tarbinski, 1930, <i>Calliptamus</i>	13
<i>thalassinus</i> (Fabricius, 1781), <i>Aiolopus</i>	24
<i>tricolor bisignata</i> (Charpentier, 1825), <i>Paracinema</i>	57
<i>turcicus</i> Uvarov, 1930, <i>Sphingonotus</i>	65
<i>turcomana</i> (Fischer-Waldheim, 1833), <i>Ramburiella</i>	60
<i>ungarica anatolica</i> Dirsh, 1949, <i>Acrida</i>	19
<i>vagans</i> (Eversmann, 1848), <i>Chorthippus</i>	36
<i>variabilis</i> (Pallas, 1771), <i>Celes</i>	25
<i>ventralis</i> (Zetterstedt, 1821), <i>Omocestus</i>	56
<i>zubovskii</i> Bolivar, 1889, <i>Stenobothrus</i>	67

Özet

Prof. Dr. Niyazi Lodos Müzesi (İzmir)'nde korunmakta olan Pamphagidae, Pyrgomorphidae, Catantopidae ve Acrididae (Orthoptera: Acridoidea) familyaları türleri kataloğu

Bu çalışmada Prof. Dr. Niyazi Lodos Müzesi (Ege Üniversitesi, Ziraat Fakültesi, Bornova, İzmir)'nde korunmakta olan Orthoptera takımının Pamphagidae familyasına bağlı 5 cinse ait teşhisli 5 tür, Pyrgomorphidae familyasına bağlı 1 cinse ait 3 tür, Catantopidae familyasına bağlı 7 cinse ait 10 tür ve Acrididae familyasına bağlı 22 cinse ait 49 türün etiket bilgileri verilmektedir.

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