

## Catalogue of the collection of Tettigoniidae (Orthoptera) preserved in the Prof. Dr. Niyazi Lodos Museum, İzmir, Turkey

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### Summary

In this study, Tettigoniidae (Orthoptera) material of the Prof. Dr. Niyazi Lodos Museum, İzmir, Turkey have been evaluated. According to the results of studies, a total of 36 species belonging to 16 genera of family Tettigoniidae have been preserved in the collection of Prof. Dr. Niyazi Lodos Museum.

**Key words:** Catalogue, collection, fauna, Orthoptera, Tettigoniidae, Turkey

**Anahtar sözcükler:** Katalog, koleksiyon, fauna, Orthoptera, Tettigoniidae, Turkey

### Introduction

As it is known from previous papers (Önder et al., 1999 a,b), 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.

This museum consists of a rich collection of most of the knowns 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 Tettigoniidae material of the Prof. Dr. Niyazi Lodos Museum.

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Tettigoniidae fauna of Turkey is quite rich and the studies of Karabağ (1958; 1961; 1964; 1975), Karabağ et al. (1971), Tazegül & Önder (1995) and Yüzbaş (1995) have great importance.

Tettigoniidae 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) have been preserved in the Prof. Dr. Niyazi Lodos Museum of the same department. In addition to these, material collected and given as a gift to the departmental museum by the researchers of Plant Protection Research Institutes, students, amateurs etc. have also been included in that collection.

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

## Material and Methods

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

Following abbreviations were used for determinants: (K.H.): The Late Prof. Dr. Kurt HARZ; (T.K.): Prof. Dr. Tevfik KARABAĞ. Rest of the material have been determined by the Late Prof. Dr. Niyazi LODOS.

At the end of work, species index were given.

### List of species:

1. ***Acrometopa servillei*** Brullé, 1832  
İzmir (Bayındır), 20.VIII.1991, ***Nerium oleander***, (1), (T.K.)/  
15.VII.1992, ***Nerium oleander***, (1), (T.K.).
2. ***Acrometopa syriaca*** Brunner-Wattenwyl, 1878  
İzmir (Bergama), 2.VII.1991, meadow, (1) (T.K.); (Karaburun-Mordoğan),  
10.VII.1975, by light trap, (1), Selçuk; 2.VI.1992, ***Nerium oleander***, (1),  
(T.K.).
3. ***Anadolua burri*** Karabağ, 1952  
İzmir (Ödemiş), 26.VIII.1992, ***Verbascum*** sp., (1) (T.K.).
4. ***Anadolua schwarzi*** Ramme, 1939  
İzmir (Ödemiş), 26.VIII.1992, ***Urtica dioica***, (1), (T.K.)/26.VIII.1992,  
***Verbascum*** sp., (1) (T.K.).
5. ***Bucephaloptera bucephala*** Brunner-Wattenwyl, 1882  
İzmir (Bayındır), 12.VIII.1991, meadow, (1), (T.K.)/ 6.VIII.1992, meadow,

(1), (T.K.); (Seferihisar), 22.VII.1979, (2); Manisa (Central province-Muradiye), 28.VI.1988, (1); Samsun (Bafra), 22.VII.1976, (1), (K.H.).

6. **Callimenus macrogaster** (Lefebvre, 1831)

İzmir (Bergama), 2.VII.1991, **Carduus nutans**, (1), (T.K.); (Bornova), 01.VII.1974, (1), (K.H.)/15.VII.1992, **Carduus nutans** (1), (T.K.).

7. **Conocephalus discolor** Thunberg, 1815

Adana (Kozan), 11.VII.1986, by light trap, (1); Amasya (Merzifon), 16.VIII.1976, (1); Bitlis (Hizan), 05.VIII.1975, **Oryza sativa**, (1); Çorum (Kargı), August, 1973, (2); Diyarbakır (Central province), 30.IV.1976, **Oryza sativa**, (1)/30.VII.1976, **Oryza sativa** (5)/18.VIII.1976, **Oryza sativa**, (4)/30.IX.1976, **Oryza sativa**, (12)/Çınar, 18.VIII.1976, **Oryza sativa**, (1); (Hani), 15.VII.1980, **Nicotiana tabacum**, (2); (Silvan), 22.IX.1976, **Oryza sativa**, (2); 27.IX.1976, **Oryza sativa**, (1); İzmir (Bornova), 13.X.1983, weed, (1) (K.H.); (Menemen), 27.VII.1993, **Pragmites communis**, (2), (T.K.); Mardin (İdil), 21.VII.1976, **Oryza sativa**, (1); Siirt (Şirvan) 23.VI.1976, **Oryza sativa** (1).

8. **Decticus albifrons** (Fabricius, 1793)

Diyarbakır (Central province), 28.VIII.1976, **Oryza sativa** (1); İzmir (Central province-Çatalkaya), 23.VIII.1965, on the ground, (2), (K.H.) (Bergama) 30.VII.1992, Meadow, (1), (T.K.), (Bornova), 16.VI.1977, weed, (1) (K.H.) (Tire), 1.VII.1991, **Fraxinus** sp., (1), (T.K.).

9. **Decticus mithati** Ramme, 1939

İzmir (Bergama), 25.VII.1991, **Bromus arvensis**, (1), (T.K.).

10. **Decticus verrucivorus** Linnaeus, 1758

İzmir (Bayındır), 14.VIII.1991, **Gossypium** sp., (1), (T.K.); (Menemen), 5.X.1990, **Zea mays** (1), (T.K.).

11. **Drymadusa limbata grandis** Karabağ, 1961

İzmir (Selçuk-Pamucak), 14.VI.1977, weeds, (1), (K.H.).

12. **Eupholidoptera prasina** Brunner-Wattenwyl, 1882

İzmir (Bornova), 23.VII.1992, **Rubus** sp., (1), (T.K.); (Ödemiş), 26.VIII.1992, **Verbascum** sp., (1), (T.K.).

13. **Homorocoryphus nitidulus** (Scopoli, 1786)

Kastamonu (Tosya), August, 1973, (1), (K.H.).

14. **Medecticus assimilis** (Fieber, 1858)

Elazığ (Karakoçan), 10.VIII.1977, weeds, (2), (K.H.).

15. **Parapholidoptera castaneoviridis** (Brunner-Wattenwyl, 1882)

İzmir (Kemalpaşa), 27.6.1991, **Quercus cerris**, (1), (T.K.)/18.VI.1992, **Quercus cerris**, (1), (T.K.).

16. *Parapholidoptera noxia* (Ramme, 1930)  
Çorum (Central province), 07.VII.1976, (1), (K.H.).
17. *Phaneroptera nana nana* Fieber, 1853  
Adana (Saimbeyli), 11.VII.1986, *Echium* sp., (1); Antalya (Alanya), 23.VI.1981, *Citrus* spp., (1), (K.H.); İzmir (Karaburun), 10.VII.1991, meadow, (1), (T.K.).
18. *Platycleis affinis* Fieber, 1853  
İzmir (Bornova), 18.VII.1976, on the ground, (1) (K.H.), (Bornova), 6.VIII.1992, *Bromus sterilis*, (1), (T.K.); (Kemalpaşa), 6.VIII.1991, *Hordeum* sp. (1), (T.K.); (Menemen), 8.VIII.1991, *Oryza sativa*, (1), (T.K.)/24.VIII.1992, *Gossypium* sp., (1), (T.K.); (Seferihisar) 23.VIII.1978, (1), (K.H.).
19. *Platycleis escalerae* Bolivar, 1899  
Diyarbakır (Central province), 09.VII.1977, *Oryza sativa*, (1); (Çınar), 15.VII.1977, *Oryza sativa*, (1); (Silvan), 10.VIII.1971, *Oryza sativa*, (1), (K.H.); İzmir (Bergama), 22.V.1977, (1), (K.H.); Manisa (Turgutlu) 24.III.1975, (1), (K.H.).
20. *Platycleis incerta* Brunner-Wattenwyl, 1882  
İzmir (Aliğa), 13.VII.1991, meadow, (1), (T.K.); (Kemalpaşa), 27.VI.1991, *Bromus arvensis*, (1), (T.K.).
21. *Platycleis intermedia* Serville, 1839  
Diyarbakır (Central province), 09.VII.1977, *Oryza sativa*, (2)/18.VII.1977, *Gossypium hirsutum*, (1); (Çermik), 25.VII.1977, *Oryza sativa*, (2); (Çınar), 15.VII.1977, *Oryza sativa*, (3); İzmir (Central province-Yamanlar Mountain), August, 1973, (1), (K.H.), (Central province), 5.VIII.1992, *Bromus sterilis*, (1), (T.K.); (Karaburun), 10.VII.1992, *Bromus* sp., (1), (T.K.).
22. *Platycleis vittata* (Charpentier, 1825)  
İzmir (Aliğa), 2.VII.1991, *Bromus* sp., (1), (T.K.); (Tire), 1.VII.1991, *Alopecurus pratensis*, (1), (T.K.).
23. *Poecilimon amissus* Brunner-Wattenwyl, 1878  
İzmir (Ödemiş), 20.V.1991, *Asphodelus microcarpus*, (1), (T.K.)/30.V.1991, *Festuca* sp., (1), (T.K.).
24. *Poecilimon anatolicus* Ramme, 1933  
Kastamonu (Safranbolu), 02.VII.1981, (2), (K.H.).
25. *Poecilimon hamatus* Brunner-Wattenwyl, 1878  
İzmir (Menderes), 11.VI.1993, *Quercus infectoria boissieri*, (1), (T.K.); (Tire), 18.VI.1993, *Rubus canescens*, (1), (T.K.); Muğla (Datça), 9.V.1975, (2), (K.H.).

26. **Poecilimon ledereri** Ramme, 1933  
İzmir (Ödemiş), 29.VI.1993, **Urtica dioica**, (1), (T.K.) / 13.VII.1993, **Urtica dioica**, (1), (T.K.).
27. **Poecilimon lodosi** Karabağ, 1975  
Manisa (Central province), 02.VI.1972, weed, (1), (K.H.).
28. **Poecilimon pergamicus** Brunner-Wattenwyl, 1891  
İzmir (Bergama), 9.VI.1992, meadow, (1), (T.K.)/21.VI.1993, **Cistus** sp., (1), (T.K.).
29. **Poecilimon pulcher** Brunner-Wattenwyl, 1891  
İzmir (Bergama), 9.V.1991, meadow, (1), (T.K.); (Menemen), 18.V.1992, meadow, (1), (T.K.).
30. **Poecilimon raggei** Karabağ, 1975  
İzmir (Bornova), 26.V.1975, poaceous plants, (1)/28.IV.1977, (2)/12.V.1977, (1); Mardin (Ömerli), 03.VI.1976, apiaceous plants, (6), (K.H.).
31. **Poecilimon sanctipauli** Brunner-Wattenwyl, 1878  
Aydın (Central province), 10.V.1976, (1), (K.H.)/11.V.1976, weeds, (2), (K.H.); (Germencik), 28.4.1989, **Ficus carica**, (4); İzmir (Dikili), 2.VI.1992, meadow, (1), (T.K.); (Kemalpaşa), 21.VII.1992, **Quercus cerris**, (1), (T.K.); Muğla (Datça), 09.V.1975, (3), (K.H.).
32. **Saga natoliae** Serville, 1839  
Aydın (Bafa Lake), 03.VI.1977, (1), (K.H.); İzmir (Kemalpaşa), 21.VII.1992, **Quercus cerris**, (1), (T.K.); (Menemen), 3.VII.1991, meadow (1), (T.K.).
33. **Saga puella** Werner, 1901  
Aydın (Central province), 10.V.1976, (1), (K.H.).
34. **Sepiana sepium** (Yersin, 1854)  
İzmir (Kemalpaşa), 17.V.1991, **Rubus** sp., (1), (T.K.)/27.VI.1991, (1), (T.K.).
35. **Tettigonia viridissima** Linnaeus, 1758  
Diyarbakır (Central province), 06.VIII.1977, by light trap, (1), İzmir (Bergama), 2.VII.1991, **Festuca crina**, (1), (T.K.); (Bornova), July, 1971, (1), (K.H.); (Foça), 1.VIII.1991, meadow, (1), (T.K.); Muğla (Fethiye), 8.VI.1979, **Triticum sativa**, (1), (K.H.); Ordu (Ünye), 16.VII.1975, on the ground, (2), (K.H.); Samsun (Bafra), July, 1973, (1), (K.H.); Siirt (Kozluk) 27.VI.1979, **Nicotiana tabacum**, (1).
36. **Tylopsis liliifolia** Fabricius, 1793  
Aydın (Nazilli), weed, (1); İzmir (Bornova), 08.VIII.1976, (1), (K.H.); (Karaburun), July, 1978, (1), (Kemalpaşa), 17.VII.1991, **Inula** sp., (1), (T.K.)/

24.IX.1991, *Inula* sp., (1) (T.K.); (Ödemiş-Erikli), 29.VII.1975, *Castanea sativa*, (1); Samsun (Central province), 06.VIII.1976, (1), (K.H.)/14.VI.1977, weed, (1).

## Discussion

In consequence of this study, it has been seen that totally 36 species belonging to 16 genera of Tettigoniidae family have been preserved in the collection of Prof. Dr. Niyazi Lodos Museum.

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<i>incerta</i> Brunner-Wattenwyl, 1882, <i>Platycleis</i>	20
<i>intermedia</i> Serville, 1839, <i>Platycleis</i>	21
<i>ledereri</i> Ramme, 1933, <i>Poecilimon</i>	26
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<i>limbata grandis</i> Karabağ, 1961, <i>Drymadusa</i>	11
<i>lodosi</i> Karabağ, 1975, <i>Poecilimon</i>	27
<i>macrogaster</i> (Lefebvre, 1831), <i>Callimenus</i>	6
<i>mithati</i> Ramme, 1939, <i>Decticus</i>	9
<i>nana nana</i> Fieber, 1853, <i>Phaneroptera</i>	17
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<i>pergamicus</i> Brunner-Wattenwyl, 1891, <i>Poecilimon</i>	28
<i>prasina</i> Brunner-Wattenwyl, 1882, <i>Eupholidoptera</i>	12
<i>puella</i> Werner, 1901, <i>Saga</i>	33
<i>pulcher</i> Brunner-Wattenwyl, 1891, <i>Poecilimon</i>	29
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## Özet

### Prof. Dr. Niyazi Lodos Müzesi (İzmir)'nde korunmakta olan Tettigoniidae (Orthoptera) familyası türleri kataloğu

Bu çalışmada Prof. Dr. Niyazi Lodos Müzesi (Ege Üniversitesi, Ziraat Fakültesi, Bornova, İzmir)'nde korunmakta olan Orthoptera takımının Tettigoniidae familyasına bağlı 16 cins'e ait teşhisli 36 türün etiket bilgileri verilmekte ve bu türlerin doğal zenginlikler içindeki önemine değinilmektedir.

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