

MASARIDAE (HYMENOPTERA, VESPOIDEA) OF TURKEY

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SUMMARY: *This study is based upon material collected from different localities of Turkey between 1976-1996, and the other related studies are reviewed.*

In this study, 15 species and subspecies belonged to 4 genera in the subfamily Masarinae are recorded. The type localities of 4 species and 2 subspecies are in Turkey. Some new localities are found for some species which have already been reported in Turkey.

TÜRKİYE'NİN MASARIDAE (HYMENOPTERA, VESPOIDEA) TÜRLERİ

ÖZET: *Bu çalışmada, Türkiye'nin değişik yörelerinden 1976-1996 yıllarında toplanan Masaridae örnekleri ile bu konuda bugüne kadar Türkiye'de yapılan çalışmalarda tespit edilen tür ve alttürler değerlendirilmeye alınmış ve sonuçta Masarinae ailesine ait 4 cinse bağlı 15 tür ve alttürün bulunduğu tespit edilmiştir. Bunlardan, 4 tür ve 2 alttürün tip lokalitelerinin Türkiye olduğu görülmüştür. Ayrıca, daha önce Türkiye'de bulunduğu belirtilen türlerin çoğu için yeni lokaliteler tespit edilmiştir.*

INTRODUCTION

The family Masaridae known as pollen wasps derived into two subfamilies, Euparagiinae and Masarinae (Borror et al.,1981). Euparagiinae includes 9 species in one genus and distributed in only southwestern nearctic region, Masarinae has about 250 species in 19 genera and distributed in Australia, southern Africa , Neotropics, U.S.A. and Mediterranean regions (Carpenter, 1991).

Masarinae make nests of mud or sand attached to rocks or twigs and provision their nests with pollen and nectar; Euparagiinae constructs nests in ground with a curved turred at the surface and provision their nests with weevil larvae (Borror et al.,1981).

Richards (1962), Gusenleitner (1966, 1967, 1973, 1988, 1992) and Bytinski-Salz and Gusenleitner (1971) recorded and described several new species and subspecies from Turkey.

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MATERIAL AND METHOD

The material of the family Masaridae was collected from different localities of Turkey in 1976-1996. Flowered plants were monitored for visits by wasps and then they were swepted by insect net through vegetation.

RESULTS

15 species and subspecies of 4 genera in the subfamily Masarinae of Masaridae were reported in Turkey.

MASARINAE

Celonites Latreille, 1802

C. abbreviatus abbreviatus (Villers, 1789)

Material examined: BAYBURT: Demirözü, ♀, 23.VI.1994, Leg.E.Yıldırım; ERZURUM: Palandöken, 2400m, ♀, 16.VII.1987, Leg.H.Özbek; ♀, 17.VII.1990, Leg.E.Yıldırım; Umudum Yaylası, 2100m, ♀, 8.VIII.1991, Leg.E.Yıldırım, ♀, Oltu, Çamlıbel, 1700m, 14.VII.1996, Leg. E. Yıldırım, Tortum, Aşağı Katıklı, 1500m, ♀, 26.VII.1990, Leg.E.Yıldırım, Pehlivanlı, 1550m, ♀, 29.VI.1990, Leg.E.Yıldırım, ♀, Uzundere, Dikyar, 8.IX.1996, Leg. İ. Aslan.

Distribution in Turkey: İçel (Mut) (Gusenleitner, 1967).

Distribution in the world: Israel (Bytinski-Salz and Gusenleitner, 1971), South France, South Germany, Switzerland, Italy, Corfu (Richards, 1962).

C. abbreviatus invitus Gusenleitner, 1973

Type localities: Sivas (Gürün), İçel (Mut, Sertavul Pass) (Gusenleitner, 1973).

Distribution in Turkey: Sivas (Gürün), İçel (Mut, Sertavul Pass) (Gusenleitner, 1973).

Distribution in the world: Armenia (Gusenleitner, 1973).

C. cypricus smyrnensis Richards, 1962

Type localities: İzmir (Bornova); Israel (Jerusalem) (Richards, 1962; Bytinski-Salz and Gusenleitner, 1971).

Material examined: BİLECİK: 600m, 25 ♀♀, 2 ♂♂, 15.VII.1995, Leg.E.Yıldırım; ERZİNCAN: 1250m, ♀, 23.VI.1994, Leg.E.Yıldırım.

Distribution in Turkey: Hatay (Gusenleitner, 1966), İzmir (Bornova) (Richards, 1962; Bytinski-Salz and Gusenleitner, 1971).

Distribution in the world: Israel, Lebanon, Cyprus (Richards, 1962; Bytinski-Salz and Gusenleitner, 1971); Iran, Armenia (Gusenleitner, 1973); Greece, Europa (Gusenleitner, 1992).

C. foveolatus nigrior Richards, 1962

Distribution in Turkey: Hakkari (Gusenleitner, 1992).

Distribution in the world: Israel (Richards, 1962; Bytinski-Salz and Gusenleitner, 1971).

C. hammani Gusenleitner, 1973

Type localities: İçel (Mut) (Gusenleitner, 1973).

Distribution in Turkey: İçel (Mut) (Gusenleitner, 1973).

Distribution in the world: Jordan (Gusenleitner, 1992).

C. phlomis Gusenleitner, 1973

Type localities: Şanlıurfa (Gusenleitner, 1973).

Distribution in Turkey: Şanlıurfa (Gusenleitner, 1973).

Distribution in the world: Turkey (Gusenleitner, 1973).

C. rugiceps Bischoff, 1928

Material examined: ANTALYA: Belkız, ♂, 3.VIII.1994, Leg.H.Özbek.

Distribution in Turkey: İzmir (Richards, 1962).

Distribution in the world: Cyprus, Yugoslavia, Greece (Richards, 1962)

C. spinosus Gusenleitner, 1966

Type localities: Aydın (Kuşadası), Çardak, İzmir, İçel (Mut) (Gusenleitner, 1966).

Material examined: İZMİR: Menemen, Tar.Arş.Ens., 13 ♀♀, 2.VII.1992, Leg.H.Özbek; TOKAT: 900m, ♀, 19.VIII.1992, Leg.E.Yıldırım.

Distribution in Turkey: Aydın (Kuşadası), Çardak, İzmir, İçel (Mut) (Gusenleitner, 1966); Denizli (Pamukkale) (Gusenleitner, 1967); İzmir, Şanlıurfa, İçel (Mut) (Gusenleitner, 1973).

Distribution in the world: Turkey (Gusenleitner, 1966, 1967, 1973).

Ceramius Latreille, 1810

C. bureschi Atannasov, 1938

Synonym: *C. bureschi lycaonis* Blüthgen, 1952 (Richards, 1962).

Material examined: ANKARA: ♀♂, 15.VII.1993, Leg.E.Yıldırım.

Distribution in Turkey: Konya (Akşehir) (Richards, 1962); İçel (Mut) (Gusenleitner, 1966); Konya, İçel (Mut) (Gusenleitner, 1973).

Distribution in the world: Greece (Richards, 1962).

C. caucasicus Andre, 1884

Material examined: BAYBURT: Demirözü, 3 ♂♂, 17.VII.1991, Leg.E.Yıldırım; ♀, 20.VIII.1991, Leg.E.Yıldırım; Kop Dağı, ♂, 10.VIII.1991, Leg.E.Yıldırım; ERZURUM: 2 ♂♂, 5.VII.1977, Leg.H.Özbek; ♂, 9.VII.1976, Leg.H.Özbek; Güngörmez, 2 ♂♂, 4.VIII.1990, Leg.E.Yıldırım; Palandöken, 2200m, ♀, 28.VII.1990, Leg.E.Yıldırım; ♀, 15.VIII.1978, Leg.H.Özbek; Umudum Yaylası, ♀, 8.VII.1992, Leg.E.Yıldırım; ♂,

13.VII.1991, Leg.E.Yıldırım; Üniversite, 4 ♂♂, 29.VI.1989, Leg.E.Yıldırım; ♂, 1.VII.1992, Leg.E.Yıldırım; 6 ♀♀, 15 ♂♂, 12.VII.1993, Leg.E.Yıldırım; 2 ♀♀, 29.VII.1992, Leg.E.Yıldırım; 10 ♀♀, 10.VIII.1992, Leg.E.Yıldırım; 14 ♂♂, 15.VIII.1993, Leg.E.Yıldırım; İspir, Madenköprübaşı, 1100m, ♀, 5 ♂♂, 18.VI.1994, Leg.E.Yıldırım; Pasinler, Karakoç, ♀, 6.VII.1982, Leg.H.Özbek; ♀, 5 ♂♂, Rabat, 11.VII.1996, Leg. E.Yıldırım, Oltu, ♂, 4.VII.1976, Leg.H.Özbek; ♂, Aksuyayla, 2250 m, 14.VII.1996, Leg. E.Yıldırım, Olur, Süngübayır, ♀, 8.VII.1990, Leg. İ.Aslan; Şenkaya, Turnalı, ♀, 26.V.1991, Leg.E.Yıldırım; ♂, 1.VII.1990, Leg.E.Yıldırım; ♂, ♀, 5.VIII.1988, Leg.E.Yıldırım; Tortum, Meydanlar, ♂, 4.VII.1991, Leg.E.Yıldırım; Kaledibi, ♂, 5.VII.1992, Leg.E.Yıldırım; Pehlivanlı, ♂, 12.VII.1992, Leg.E.Yıldırım; HAKKARİ: Dez Vadisi, ♀, 19.VII.1992, Leg.H.Özbek; KARS: Sarkamış, Isısu, 4 ♂♂, 7.VII.1991, Leg.E.Yıldırım.

Distribution in Turkey: Amasya (Richards, 1962); Konya (Beyşehir, Bulga-Maden) (Gusenleitner, 1966); Konya (Beyşehir) (Gusenleitner, 1967); Konya, İçel (Mut, Sertavul), Nevşehir (Ürgüp) (Gusenleitner, 1973).

Distribution in the world: Armenia (Richards, 1962); Iran (Gusenleitner, 1973).

C. palestinesis Giordani Soika, 1957

Distribution in Turkey: Turkey (Karadağ) (Gusenleitner, 1992).

Distribution in the world: Israel (Bytinski-Salz and Gusenleitner, 1971).

Jugurtia Saussure, 1854

J. esclerae Meade-Waldo, 1910

Distribution in Turkey: Hakkari (Beytüşşebap) (Gusenleitner, 1988); Hakkari (Şemdinli), Van (Gusenleitner, 1992).

Distribution in the world: Iran (Richards, 1962).

J. eurycara Kostylev, 1935

Distribution in Turkey: Ereğli, Hakkari (Yüksekova, Beytüşşebap), Karaman, Sivas (Gürün) (Gusenleitner, 1988); Hakkari (Esendere, Yüksekova) (Gusenleitner, 1992).

Distribution in the world: Armenia (Richards, 1962; Gusenleitner, 1988, 1992), Iran (Gusenleitner, 1973),

Quartinia Andre, 1884

Q. orientalis Gusenleitner, 1973

Type localities: Nevşehir (Ürgüp, Göreme) (Gusenleitner, 1973).

Distribution in Turkey: Nevşehir (Ürgüp, Göreme) (Gusenleitner, 1973).

Distribution in the world: Afghanistan (Gusenleitner, 1973)

Q. araxana Giordani Soika, 1960

Synonym: *Quartinia soikai* Richards, 1962 (Gusenleitner, 1973).

Distribution in Turkey: Ankara (Richards, 1962); Konya, İçel (Mut, Sertavul Pass), Nevşehir (Ürgüp, Göreme) (Gusenleitner, 1973).

Distribution in the world: Armenia (Gusenleitner, 1973).

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