

Geometridae of Turkey 7. Additions and corrections to the provisional list of Geometridae of Turkey (Lepidoptera: Geometridae)

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Abstract. In this paper 79 additional Geometrid species, together with a few corrections to the provisional list of the Geometridae of Turkey, are given.

Samenvatting. Geometridae uit Turkije 7. Aanvullingen en verbeteringen aan de voorlopige lijst van Geometridae uit Turkije.

In dit artikel worden 79 soorten toegevoegd aan de voorlopige lijst van Geometridae uit Turkije. Bovendien worden enkele verbeteringen aangebracht.

Résumé. Geometridae de Turquie 7. Additions et corrections à la liste provisoire des Geometridae de Turquie.

Avec cet article 79 espèces sont ajoutées à la liste provisoire des Geometridae de la Turquie. En outre, quelques corrections sont faites.

Key words: Provisional list – Geometridae – faunistics – Turkey.

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Introduction

After the publication of the provisional list of Geometridae of Turkey (Riems 1994), a lot of useful information was received, a. o. recent faunistic data became available through captures by colleagues. I also came across some papers –including some earlier published, but overlooked literature– mentioning more Geometrid species for the Turkish fauna. During collecting trips I discovered several new Geometridae species for Turkey. In this case full data are given under "remarks". All these species are deposited in my collection and/or in the Zoological Museum Amsterdam. All these investigations result in the following list of 79 species to be added to the list of Turkish Geometridae. Due to changes in nomenclature the actual name for 7 species is given, and 1 species has to be removed from the list. This brings the total number of Turkish Geometridae known thus far to 546.

List of species

Alsophilinae

<i>Alsophila aescularia</i> Denis & Schiffermüller	Koçak (1991)
<i>(Myinodes interpunctaria</i> Herrich-Schäffer)	To be replaced by next species (Hausmann 1994b)
<i>Myinodes shohami</i> Hausmann	Hausmann (1994b)

Geometrinae

<i>Culpina prouti</i> Thierry-Mieg	Remark 1.
<i>Thetidea persica</i> Hausmann	Hausmann (1996)
<i>Xenochlorodes olympiaria</i> Herrich-Schäffer	Staudinger (1878)

Sterrhinae

<i>Idaea allongata</i> Staudinger <i>(Idaea circuitaria</i> Hübner)	Staudinger & Rebel (1901) To be replaced by next species (Hausmann 1994a)
<i>Idaea mimosaria</i> Herrich-Schäffer	Hausmann (1994a)

<i>Idaea tineata</i> Thierry-Mieg	Wehrli (1931), Hausmann (1995)
<i>Idaea palaestinensis</i> Sterneck	Hausmann (1995)
<i>Idaea obsoletaria</i> Rambur	Lederer (1865), Staudinger (1878)
<i>Idaea subpurpurata</i> Staudinger	Staudinger & Rebel (1901)
<i>Idaea albitorquata</i> Püngeler	de Lattin (1951)
<i>Idaea inclinata</i> Lederer	Hausmann (1995)
<i>Limera marsaria</i> Staudinger	Viidalepp (1996)
<i>Scopula ochraceata</i> Staudinger (<i>Glossotrophia asellaria</i> Staudinger)	Müller (1996)
	To be replaced by next species (Hausmann 1993)
<i>Glossotrophia semitata</i> Prout	Hausmann (1993)
<i>Cleta filacea</i> Herrich-Schäffer	Staudinger (1878), Rebel (1917)
<i>Casilda rosearia</i> Treitschke	Müller (1996)

Larentiinae

<i>Ochodontia adustaria</i> Fischer von Waldheim (<i>Scotopteryx octodurensis</i> Favre)	Schwingenschuss (1939b) To be replaced by next species (Viidalepp 1996)
<i>Scotopteryx aelptes</i> Prout	Viidalepp (1996)
<i>Scotopteryx diana</i> Riemis	Riemis (1997)
<i>Scotopteryx nebulata</i> Bang-Haas	Bang-Haas (1907)
<i>Xanthorhoe inconsiderata</i> Staudinger	Wehrli (1934)
<i>Xanthorhoe oxybiata</i> Millière	de Lattin (1951)
<i>Xanthorhoe biriviata</i> Borkhausen (<i>Catorhoe cupreatella</i> Herrich-Schäffer)	Remark 2 To be replaced by next species (Hausmann 1995)
<i>Catorhoe hortulanaria</i> Staudinger	Hausmann (1995)
<i>Camptogramma gricescens</i> Staudinger	Remark 3
<i>Entephria cyanata</i> Hübner	de Lattin (1951 – as <i>Cidaria altilvolans</i> Wehrli) Culot (1917)
<i>Eulithis prunata</i> Linnaeus	Mann (1862), Staudinger (1878)
<i>Eulithis pyraliata</i> Denis & Schiffermüller	Remark 3
<i>Ecliptopera silacea</i> Denis & Schiffermüller	Viidalepp (1996)
<i>Chloroclysta guriata</i> Emich	Viidalepp (1996)
<i>Chloroclysta miata</i> Linnaeus	Remark 4
<i>Chloroclysta citrata</i> Linnaeus	Remark 5
<i>Colostygia aptata</i> Hübner	Remark 18
<i>Colostygia pectinataria</i> Koch	Okyar & Aktas (1997)
<i>Colostygia corydalaria</i> Graeser (<i>Rheumaptera montivagata</i> Duponchel)	To be replaced by next species (Viidalepp 1996)
<i>Rheumaptera caucasica</i> Müller & Viidalepp	Viidalepp (1996)
<i>Triphosia taochata</i> Lederer	Viidalepp (1996)
<i>Euphyia chalusata</i> Wiltshire	Koçak (1990)
<i>Epirrita dilutata</i> Denis & Schiffermüller	Müller (1996)
<i>Operophtera brumata</i> Linnaeus	Müller (1996)
<i>Perizoma hydratum</i> Treitschke	Remark 6
<i>Perizoma lugdunarium</i> Herrich-Schäffer	Remark 7
<i>Perizoma verberatum</i> Scopoli	Remark 8
<i>Eupithecia dissertata</i> Püngeler	Remark 9
<i>Eupithecia intricata</i> Zetterstedt	Schwingenschuss (1938a)

<i>Eupithecia subfenestrata</i> Staudinger	Remark 10
<i>Eupithecia orphnata</i> Peterson	Remark 11
<i>Eupithecia dubiosata</i> Wagner	Wagner (1929)
<i>Aplocera simpliciata</i> Treitschke	de Lattin (1951)
<i>Aplocera fraudulentata</i> Herrich-Schäffer	Mann (1862), Staudinger (1878)
<i>Aplocera opificata</i> Lederer	Zukowsky (1937)
<i>Lithostege infuscata</i> Eversmann	Viidalepp (1996)
<i>Lithostege coassata</i> Hübner	Viidalepp (1996)
<i>Lithostege bosporaria</i> Herrich-Schäffer	Wagner (1931)
<i>Lithostege ancyana</i> Prout	Viidalepp (1996)
<i>Venusia cambrica</i> Curtis	Viidalepp (1996)

Boarmiinae

<i>Abraxas grossulariata</i> Linnaeus	Remark 12
<i>Semiothisa syriacata</i> Staudinger	Wehrli (1934)
(<i>Itame vincularia</i> Hübner)	To be deleted (included in the list by mistake).
<i>Nychiodes dalmatina</i> Wagner	Müller (1996)
<i>Menophra trypanaria</i> Wiltshire	Riemis (1995)
<i>Megalycinia scalarina</i> Christoph	Remark 13
<i>Phaselia joestleiniae</i> Hausmann	Hausmann (1996)
<i>Phaselia narynaria</i> Oberthür	Remark 14
<i>Phaselia kaysi</i> Wiltshire	Remark 13
<i>Phaselia deliciosa</i> Lederer	Seitz (1954)
<i>Fagivorina arenaria</i> Hufnagel	Remark 19
<i>Apocheima pilosaria</i> Hübner	Müller (1996)
<i>Lycia graecarius</i> Staudinger	Remark 13
<i>Zamacra diaphanaria</i> Püngeler	Wehrli (1936)
<i>Chemerina caliginearia</i> Rambur	Müller (1996)
<i>Epione repandaria</i> Hufnagel	de Lattin (1951)
<i>Ennomos quercaria</i> Hübner	Staudinger (1878)
<i>Artiaria evonymaria</i> Herrich-Schäffer	Remark 13
<i>Odontopera graecarius</i> Bang-Haas	Remark 2
(<i>Ourapteryx persica</i> Ménétriés)	To be replaced by next species (Inoue 1993)
<i>Ourapteryx falciformis</i> Inoue	Inoue (1993)
<i>Odontognophos dumetata</i> Treitschke	Remark 15
<i>Gnophos furvata</i> Denis & Schiffermüller	Remark 16
<i>Dicrogynophos amanensis</i> Wehrli	Wehrli (1934)
<i>Charissa talyshensis</i> Wehrli	Remark 4b
<i>Kemtrognophos mardinaria</i> Staudinger	Staudinger & Rebel (1901)
<i>Eucrognophos dubitarius</i> Staudinger	Viidalepp (1996)
<i>Eucrognophos symnicta</i> Wehrli	Remark 4b
<i>Cnistrognophos libanotica</i> Wehrli	Remark 17
<i>Dyscia conspersaria</i> Denis & Schiffermüller	Wagner (1931)

Remarks

1. Alanya, September 1988. A.Legrain, pers. comm.
2. Rize, 10 km S.E. of İkizdere, 1300–1400m, 29.V.1995.
3. Nevşehir, 10 km N.of Gülşehir, 1200 m, 7.VI.1990.
- 4a. Rize, Ovitdağ Geçidi, W. side, 2500–2700 m, 22.VII.1993.

- 4b. Artvin, Kaçkar Dağları, 30 km S.W.of Sarigöl, 2000 m, 5.VIII.1993.
5. Kars, Camlıçatak, 11 km E.of Ardahan, 2100 m, 8.VIII.1993.
6. Artvin, Kaçkar Dağları, 24 km W. of Sarigöl, 1900 m, 20.VII.1993.
7. Ardahan, 3 km E.of Posof, 1450 m, 9.VIII.1996.
8. Ardahan, Ilgazdağı Geçidi, 18 km S.of Posof, 2500 m, 9.VIII.1996.
9. Ilgaz & Göreme, Gelbrecht, pers. comm.
10. Artvin, Kaçkar Dağları, 1995. Gelbrecht, pers. comm.
11. Taurus 1996. Gelbrecht, pers. comm.
12. Ardahan, 8 km S.of Posof, 2000 m, 9.VIII.1996.
13. Reported from Turkey. Gelbrecht, pers.comm.
14. Artvin, 12 km S.W. of Yusufeli, 750 m, 7/8.VI.1995.
15. Reported from Turkey. Viidalepp, pers. comm.
16. Niğde, Aladag, 18 km S.E.of Camardi, 1800–2000 m, 6/11.VIII.1983.
17. Niğde, Aladagli, W. side, 1900 m, 15 km S.E.of Camardi, Emli Boğazı, 31.VII.1995.
18. Antalya, env.Güzelbag, 500 m, 7.X.1997.
19. Env. Kizilcahamam, 1995–1997. Lehmann, pers. comm.

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References

- Bang-Haas, O., 1907. Neue oder wenig bekannte palaearctische Macrolepidopteren. — *Dt.ent.Z.Iris* 21: 20.
- Culot, C., 1917–1920. Noctuelles et Géomètres d'Europe. Deuxième partie. Géomètres. Vol.III. 264 p. 37 pls.Genève 1917–1919, Vol.IV, 167 p, 33 pls.Genève 1919–1920.
- Hausmann, A., 1993. Zweiter Beitrag zur Taxonomie und Systematik der Gattung *Glossostrophia* Prout, 1913. — *Mitt.münch.ent.Ges.* 83: 77–107.
- Hausmann, A., 1994a. *Idea circularia* – ein Komplex von mehreren verschiedenen Arten aus dem Mittelmeerraum. — *Z.ArbGem.öst.Ent.* 46: 44–55.
- Hausmann, A., 1994b. Morphology and taxonomy of the species belonging to the genus *Myinodes* Meyrick, 1842. — *Nota lepid.* 17(1–2): 31–43.
- Hausmann, A., 1995. Neue Geometriden-Funde aus Zypern und Gesamtübersicht über die Fauna. — *Mitt.münch.ent.Ges.* 85: 79–111.
- Hausmann, A., 1996. Zwei neue Geometridenarten aus Vorderasien. — *Spixiana* 22: 3–10.
- Inoue, H., 1993. On the *Ourapteryx persica*-complex, with descriptions of three new species. — *Tyo to Ga* 44(2): 81–88.
- Koçak, A. Ö., 1990. Additional faunistical and ecological notes to the Lepidoptera of Ayas district (Central Turkey). — *Misc.Pap.*, Ankara 4: 3–8.
- Koçak, A. Ö., 1991. Über die Lepidopterenfauna von Cizilcahamam mit taxonomischen Notizen. — *Misc.Pap.*, Ankara 9: 1–7.
- Lattin, G. de, 1951. Türkische Lepidopteren II. — *Istanb.Univ.Fen.Fak.Mecm.* 16(1): 45–73.
- Lederer, J., 1865. Excursion lépidoptérologique en Anatolie. — *Annls Soc.ent.Belg.* 9: 49–81, pl. III.
- Mann, J., 1862. Verzeichnis der im Jahre 1851 bei Brussa in Klein-Asien gesammelten Schmetterlinge. — *Wien.ent.Monatschr.* 6: 356–409.
- Müller, B., 1996. Geometridae. In: Karsholt, O. & Razowski, J.: The Lepidoptera of Europe. 380 p. Apollo Books, Stenstrup
- Okyar, Z. & Aktaş, N., 1997. Türkiye Lepidoptera faunası için iki yeni tür: *Colostygia corydalaria* (Graeser, 1888); *Catocala sponsa* (Linnaeus, 1767). — *Türk.entomol.derg.* 21: 275–282.
- Rebel, H., 1917. Eine Lepidopterenausbeute aus dem Amanus gebirge (Alman Dagh). — *Sber.Akad.Wiss.Wien* 126: 243–282.
- Riemis, A., 1994. Geometridae of Turkey 3. A provisional list of the Geometridae of Turkey. — *Phegea* 22(1): 15–22.

- Riemis, A., 1995. Geometridae of Turkey 4. *Menophra trypanaria* (Wiltshire, 1948), a new species for the Turkish fauna, with description of the female. — *Phegea* 23(3): 137–140.
- Riemis, A., 1977. Geometridae of Turkey 6. Description of a new species from Eastern Turkey in the genus *Scotopteryx* Hübner. — *Phegea* 25(1): 31–34.
- Schwingenschuss, L., 1938a. Sechster Beitrag zur Lepidopterenfauna Inner-Anatoliens. — *Ent.Rdsch.* 55: 141–147, 158–164, 173–177, 181–184, 199–202, 223–226, 299–300, 337–340, 411–412, 454–457.
- Schwingenschuss, L., 1938b. Beitrag zur Fauna von Bithynien, besonders von Boli (jetz Bolu). — *Ent.Rdsch.* 55: 503.
- Seitz, A., 1954. Die Gross-Schmetterlinge der Erde. Supplement zu Band 4. 776 p. Verlag A. Kernen, Stuttgart.
- Staudinger, O., 1878–1881. Lepidopterenfauna Kleinasiens. — *Horae Soc. ent. ross.* 14: 176–482; 16: 65–133, 184–186.
- Staudinger, O. & Rebel, H., 1901. Catalog der Lepidopteren des Palearktischen Faunengebietes. Dritte Auflage. Berlin. 411 pp.
- Viidalepp, J., 1996. Checklist of the Geometridae of the former USSR. — Apollo Books, Stenstrup. 111 pp.
- Wagner, F., 1929. Weiterer Beitrag zur Lepidopteren-Fauna Inner-Anatoliens. — *Mitt.münch.ent.Ges.* 19: 1–28, 57–80, 157–206.
- Wagner, F., 1931. Dritter Beitrag zur Lepidopterenfauna Inner-Anatoliens. — *Int.ent.Z.* 24: 467–493.
- Wehrli, E., 1931. Einige neue paläarktische Geometridae aus Syrien, Algerien und Sicilien. — *Mitt.münch.ent.Ges.* 21: 41–46.
- Wehrli, E., 1934. Lepidopteren-Fauna von Marasch in Türkisch Nordsyrien. Die Geometriden der Ausbeute der Herrn Ernst Pfeiffer und Herrn L.Osthelder-München aus Marasch und Achyr Dagh, Süddost-Taurus. — *Mitt.münch.ent.Ges.* 24: 1–55; Tafeln I–VI.
- Wehrli, E., 1936. Einige neue Arten und Rassen aus den Ausbeuten des Herrn Ernst Pfeiffer, München. — *Mitt.münch.ent.Ges.* 26: 36–40.
- Zukowsky, B., 1937. Sivas und Aksehir 1937. — *Ent.Z.* 54: 266–272.

Inhoud:

Bettag, E. & Bläsius, R.: Eine neue Glaßflüglerart aus Marokko (Lepidoptera: Sesiidae) ..	71
De Prins W.: <i>Nephopterix angustella</i> , een nieuwe soort voor de Belgische fauna (Lepidoptera: Pyralidae).....	69
Riemis, A.: Geometridae of Turkey 7. Additions and corrections to the provisional list of Geometridae of Turkey (Lepidoptera: Geometridae)	76
Vanholder, B.: Trekvlinders in 1997, veertiende jaarverslag (Lepidoptera)	41
Wagener, S. & van Oorschot, H.: Rhopalocera and Grypocera of Turkey 15. Zur Identität von <i>Callophrys mystaphia</i> (Lepidoptera: Lycaenidae)	61
Boekbesprekingen	68