

Checklist of the Dolichopodidae (Diptera, Brachycera) of Turkey

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Abstract: The first checklist of the Dolichopodidae of Turkey is presented. A total of 187 species and one subspecies belonging to 35 genera are listed. The type locality and the distribution in Turkey for each species are given.

Key words: Diptera, Brachycera, Dolichopodidae, checklist, Turkey

1. Introduction

The Dolichopodidae is one of the largest families in Diptera. Approximately 7500 described species and 250 genera are known from the world (Grichanov, 2003–2014). Adults and larvae of dolichopodids are predacious, except for one genus (*Thrypticus*), the larvae of which are known to be phytophagous and living inside stems of cereal grasses. Some genera (*Medetera*, *Neurigona*) are known to be associated with tree trunks where their larvae are predaceous mainly on bark beetles (Coleoptera).

The first contribution to the fauna of Dolichopodidae of Turkey was made by Loew (1850, 1857), who described 5 new species and recorded several more known species from the environs of İstanbul, İzmir, and probably adjacent areas of “Asia Minor”. We have found only sparse references published later with new records of Turkish Dolichopodidae (Becker, 1917–1918; Parent, 1927; Hollis, 1963), and until recently only 21 species were known from this country (Negrobov, 1991). Important works on Turkish Dolichopodidae have been published during the last decade and include those of Olejníček (2004), Pârnu and Popescu-Mirceni (2006), and Popescu-Mirceni and Pârnu (2009), but the main contributions to the fauna of long-legged flies of Turkey have been made by the authors of this paper since 2007 (see reference list).

2. Materials and methods

The checklist of Turkish Dolichopodidae is based on an intensive treatment of the old and recent literature. The authors have included some synonymic names used only in the Turkish references. Several errors and misprintings

of previous lists are here corrected. Type localities are provided and Turkish provinces and geographical areas are arranged alphabetically.

3. Results

I. Subfamily Diaphorinae

Genus *Argyra* Macquart, 1834

1. *Argyra argyria* (Meigen, 1824)

Porphyrops argyria Meigen, 1824: Syst. Besch. 4: 46. Type locality: not given [probably Aachen].

Distribution in Turkey: Afyonkarahisar, Kütahya, Uşak (Tonguç et al., 2013).

2. *Argyra diaphana* (Fabricius, 1775)

Musca diaphana Fabricius, 1775: Syst. Ent. 1775: 783.

Type locality: Germany: Lipsise [=Leipzig].

Distribution in Turkey: Edirne (Sultaniçe) (Grichanov and Tonguç, 2010a).

3. *Argyra leucocephala* (Meigen, 1824)

Porphyrops leucocephala Meigen, 1824: Syst. Besch. 4: 49. Type locality: not given.

Distribution in Turkey: Adıyaman, Antalya (Olejníček, 2004).

4. *Argyra vestita* (Wiedemann, 1817)

Dolichopus vestita Wiedemann, 1817: Zool. Mag. 1(1):

75. Type locality: Germany: “bei-Kiel”.

Distribution in Turkey: Kars, Van (Naglis, 2010a).

Genus *Asyndetus* Loew, 1869

5. *Asyndetus connexus* (Becker, 1902)

Meringopherusa connexa Becker, 1902: Mitt. zool. Mus. Berlin 2(2): 57. Type locality: Egypt: “Alexandrien, Kairo, Suez, Fayūm, Siala, Birket-el Karun”.

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- Distribution in Turkey: Van (Erciş) (Naglis, 2010a).
6. *Asyndetus latifrons* (Loew, 1857)
Diaphorus latifrons Loew, 1857: Progr. Realsch. Meseritz 1857: 46. Type locality: Poland: "Schleisen".
 Distribution in Turkey: Aydın (Efes, Buharkent), Denizli (Koruçuk), Muğla (Ortaca – Dalaman Stream), Adapazarı, Zonguldak (Pârzu and Popescu-Mirceni, 2006; Popescu-Mirceni and Pârzu, 2009; Grichanov, 2013).
- Genus *Chrysotus* Meigen, 1824**
7. *Chrysotus albibarbus* Loew, 1857
Chrysotus albibarbus Loew, 1857: Progr. Realsch. Meseritz 1857: 50. Type locality: Turkey ("Kleinasien").
 Distribution in Turkey: Anatolia (Loew, 1857; Grichanov et al., 2007).
8. *Chrysotus alpicola* Strobl, 1893
Chrysotus alpicola Strobl, 1893: Mitt. naturw. Ver. Steierm. 29: 144. Type locality: Austria: Kalbling, Natterriegel [= near Admont].
Chrysotus nigerrimus Becker, 1918: N. Acta Acad. Leop., Halle, 104: 57. Type locality: Turkey: "Agaboz".
 Distribution in Turkey: not given [Becker, 1918 ("Agaboz", as *Chrysotus nigerrimus*); Negrobov, 1991].
Remark. The alpine species *Ch. alpicola* is known from the Alps of Austria. All the other distribution data are questionable and we doubt that all belong to *Ch. alpicola*. Recently, Naglis (2010b) examined the types of *Ch. alpicola* while describing a similar new species, *C. dischmaensis*, from the Swiss Alps, and the record of *Ch. alpicola* for Switzerland probably belongs to *C. dischmaensis*.
9. *Chrysotus angulicornis* Kowarz, 1874
Chrysotus angulicornis Kowarz, 1874: Verh. zool.-bot. Ges. Wien 24. Type locality: Austria: Salzburg, Innsbruck.
 Distribution in Turkey: Antalya, Erzurum, Hakkari, Kars (Tonguç et al., 2009; Naglis, 2010a).
10. *Chrysotus cilipes* Meigen, 1824
Chrysotus cilipes Meigen, 1824: Syst. Besch. 4: 41. Type locality: Germany: Hamburg.
 Distribution in Turkey: Artvin, Rize (Grichanov et al., 2007).
11. *Chrysotus dorli* Negrobov, 1980
Chrysotus dorli Negrobov, 1980: Ent. Obozr. 59 (2):417. Type locality: Tajikistan: Varzob Valley, Kondara Gorge.
 Distribution in Turkey: Adıyaman, Konya (Beşşehir) (Naglis, 2010a).
12. *Chrysotus femoratus* Zetterstedt, 1843
Chrysotus femoratus Zetterstedt, 1843: Dipt. Scand. 2: 483. Type locality: Denmark: Amager.
 Distribution in Turkey: Erzurum, Hakkari (Naglis, 2010a).
13. *Chrysotus glebi* Negrobov & Maslova, 1995
Chrysotus glebi Negrobov & Maslova, 1995: Ent. Obozr. 74 (2): 458. Type locality: Russia: Primorye, Ussuri Reserve.
 Distribution in Turkey: Rize (Naglis, 2010a).
14. *Chrysotus gramineus* (Fallén, 1823)
Dolichopus gramineus Fallén, 1823: Monogr. Dolichop. Svec.: 19. Type locality: not given [Sweden].
 Distribution in Turkey: Hakkari, Erzurum, Kars (Naglis, 2010a).
15. *Chrysotus laesus* (Wiedemann, 1817)
Dolichopus laesus Wiedemann, 1817: Zool. Mag. (Wied.) 1(1): 75. Type locality: Germany: Kiel.
 Distribution in Turkey: Kars (Naglis, 2010a).
16. *Chrysotus obscuripes* Zetterstedt, 1838
Chrysotus obscuripes Zetterstedt, 1838: Ins. lappon.: 705. Type locality: Sweden: Lapponica Umensi, Fredrica.
 Distribution in Turkey: Erzurum, Kars (Grichanov et al., 2007; Naglis, 2010a).
17. *Chrysotus pennatus* Lichtwardt, 1902
Chrysotus pennatus Lichtwardt, 1902: Természetr. Füz., 25: 197. Type locality: Yugoslavia: Novi.
 Distribution in Turkey: Antalya (Grichanov, 2007b).
18. *Chrysotus pulchellus* Kowarz, 1874
Chrysotus pulchellus Kowarz, 1874: Verh. zool.-bot. Ges. Wien 24: 461. Type locality: Austria; Hungary; Germany.
 Distribution in Turkey: Adapazarı (Grichanov and Tonguç, 2010a).
19. *Chrysotus suavis* Loew, 1857
Chrysotus suavis Loew, 1857: Progr. Realsch. Meseritz 1857: 49. Type locality: Germany: "Cöln"; Austria: "Neusiedler See in Ungarn".
 Distribution in Turkey: Adıyaman, Antalya (Kızıldere), Antakya, Artvin, Gaziantep, Şanlıurfa (Olejníček, 2004; Pârzu and Popescu-Mirceni, 2006; Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2010a).
- Genus *Diaphorus* Meigen, 1824**
20. *Diaphorus baechlii* Naglis, 2010
Diaphorus baechlii Naglis, 2010: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 83: 181. Type locality: Turkey, "Varegös".
 Distribution in Turkey: Hakkari (Varegös) (Naglis, 2010a).
21. *Diaphorus graecus* Parent, 1932
Diaphorus graecus Parent, 1932: Stettin. ent. Ztg. 93: 228. Type locality: "Greece".
 Distribution in Turkey: Antalya (Grichanov and Tonguç, 2010a).
22. *Diaphorus gredleri* Mik, 1881
Diaphorus gredleri Mik, 1881: Verh. zool.-bot. Ges. Wien 30: 356. Type locality: Italy: "Calvarienberge bei Bozen [=Bolzano] in Südtirol".
 Distribution in Turkey: Kars (Naglis, 2010a).
23. *Diaphorus hoffmannseggii* Meigen, 1830
Diaphorus hoffmannseggii Meigen, 1830: Syst. Besch. 6: 360. Type locality: not given.

Distribution in Turkey: Zonguldak (Grichanov and Tonguç, 2010b).

24. *Diaphorus pilitibius* Negrobov et Maslova, 2005

Diaphorus pilitibius Negrobov et Maslova, 2005: Vestnik zoologii 39(6): 77. Type locality: Russia: North Caucasus, Krasnodar Terr., Solokh-Aul.

Distribution in Turkey: Sakarya (Grichanov and Tonguç, 2010b).

25. *Diaphorus varifrons* Becker, 1918

Diaphorus varifrons Becker, 1918: N. Acta Acad. Leop., Halle, 104: 46. Type locality: Tunisia: "Bel-Mehtia".

Distribution in Turkey: Muğla (Grichanov et al., 2007).

26. *Diaphorus vitripennis* Loew, 1859

Diaphorus vitripennis Loew, 1859: Progr. Realsch. Meseritz 1859: 21. Type locality: not given.

Distribution in Turkey: Aydın (Buharkent), Kars (Popescu-Mirceni and Pârnu, 2009; Naglis, 2010).

27. *Diaphorus winthemi* Meigen, 1824

Diaphorus winthemi Meigen, 1824: Syst. Besch. 4: 34. Type locality: not given.

Distribution in Turkey: Zonguldak (Grichanov and Tonguç, 2010a).

II. Subfamily Dolichopodinae

Genus *Dolichopus* Latreille, 1797

28. *Dolichopus austriacus* Parent, 1927

Dolichopus austriacus Parent, 1927: Enc. ent. Dipt. (B II) 4: 51. Type locality: Austria: Gmunden.

Distribution in Turkey: Afyonkarahisar, Hakkari (Tonguç and Barlas, 2011, Naglis, 2011).

29. *Dolichopus calinotus* Loew, 1871

Dolichopus calinotus Loew, 1871: Besch. eur. Dipt. 2: 264. Type locality: "Galizien".

Distribution in Turkey: Afyonkarahisar (Tonguç and Barlas, 2011).

30. *Dolichopus campestris* Meigen, 1824

Dolichopus campestris Meigen, 1824: Syst. Besch. 4: 78. Type locality: not given.

Distribution in Turkey: Erzurum, Kars (Naglis, 2011).

31. *Dolichopus cilifemoratus* Macquart, 1827

Dolichopus cilifemoratus Macquart, 1827: Rec. Trav. Soc. Amat. Sci. Agric. Arts Lille 1826-1827: 275. Type locality: not given [North France].

Distribution in Turkey: Muğla, Rize (Pârnu and Popescu-Mirceni, 2006; Grichanov et al., 2007).

Remark. The records of *D. cilifemoratus* from Turkey need confirmation because they are based on females.

32. *Dolichopus cinctipes* Wahlberg, 1850

Dolichopus cinctipes Wahlberg, 1850: Öfvers. K. VetenskAkad. Förh. 7: 222. Type locality: Sweden: Rubo Chamaemaemoro, Gaskovio, Quickjock, Njunnas.

Distribution in Turkey: Erzurum, Kars (Naglis, 2011).

Remark. A record of the species by Grichanov (2007b) from the Kaçkar Mountains belongs to *Dolichopus zaitzevi* Grichanov, 2012.

33. *Dolichopus diadema* Haliday, 1832

Dolichopus diadema Haliday, 1832: Zool. J. Lond. 1830-1831 5: 361. Type locality: Ireland: Holywood.

Distribution in Turkey: Muğla (Pârnu and Popescu-Mirceni, 2006; Grichanov, 2007a; Grichanov et al., 2007).

34. *Dolichopus excisus* Loew, 1859

Dolichopus excisus Loew, 1859: Programm K. Realschule Meseritz 1859: 10. Type locality: Germany: "in allen Theilen Deutschlands".

Distribution in Turkey: Antalya, Burdur, Muğla (Negrobov, 1991 [locality not given]; Pârnu and Popescu-Mirceni, 2006; Grichanov et al., 2007).

35. *Dolichopus griseipennis* Stannius, 1831

Dolichopus griseipennis Stannius, 1831: Isis 1831: 49. Type locality: France: "Lyon".

Distribution in Turkey: Burdur, Anatolia, Muğla, Sinop (Loew, 1857; Grichanov et al., 2007; Popescu-Mirceni and Pârnu, 2009).

36. *Dolichopus immaculatus* Becker, 1909

Dolichopus immaculatus Becker, 1909: Wien. ent. Ztg. 28(9/10): 323. Type locality: France: Dauphine.

Distribution in Turkey: Antalya (Pârnu and Popescu-Mirceni, 2006).

37. *Dolichopus latilimbatus* Macquart, 1827

Dolichopus latilimbatus Macquart, 1827: Recl. Trav. Soc. Amat. Sci. Agric. Arts Lille 1826/1827: 277. Type locality: not given ["Nord de France"].

Distribution in Turkey: Kocaeli-İzmit (Grichanov et al. 2007).

38. *Dolichopus lepidus* Staeger, 1842

Dolichopus lepidus Staeger, 1842: Naturhist. Tidsskr. 4: 36. Type locality: Denmark: Slutningen, ved Leersøen.

Distribution in Turkey: Kars (Naglis, 2011).

39. *Dolichopus longitarsis* Stannius, 1831

Dolichopus longitarsis Stannius, 1831: Isis 1831: 124. Type locality: Germany: Hamburg.

Distribution in Turkey: Kars (Naglis, 2011).

40. *Dolichopus nubilus* Meigen, 1824

Dolichopus nubilus Meigen, 1824: Syst. Besch. 4: 96. Type locality: not given.

Distribution in Turkey: Kırklareli (Tonguç et al., 2009).

41. *Dolichopus pennatus* Meigen, 1824

Dolichopus pennatus Meigen, 1824: Syst. Besch. 4: 90. Type locality: not given.

Distribution in Turkey: Kars (Naglis, 2011).

42. *Dolichopus perversus* Loew, 1871

Dolichopus perversus Loew, 1871: Besch. eur. Dipt. 2: 255. Type locality: Tajikistan: Zarawschan Thal, Turkestan [=Zeravshan valley].

Distribution in Turkey: Antalya (Grichanov, 2007b).

43. *Dolichopus picipes* Meigen, 1824

Dolichopus picipes Meigen, 1824: Syst. Besch. 4: 76. Type locality: not given.

Distribution in Turkey: Tuz Lake, Kars (Olejníček, 2004 [female only]; Naglis, 2011).

44. *Dolichopus plumipes* (Scopoli, 1763)

Musca plumipes Scopoli, 1763: Ent. carniol.: 334. Type locality: [Slovenia]: “Carnioliae indigena”.

Distribution in Turkey: Van (Tuz Lake), Kaçkar Mountains, Rize (Olejníček, 2004 [female only]; Grichanov, 2007b; Naglis, 2011).

45. *Dolichopus sabinus* Haliday, 1838

Dolichopus sabinus Haliday, 1838: Ann. nat. Hist. 2(8): 184. Type locality: Ireland: Killarney, Tarbert.

Distribution in Turkey: Antalya (Grichanov et al., 2007).

46. *Dolichopus salictorum* Loew, 1871

Dolichopus salictorum Loew, 1871: Besch. eur. Dipt. 2: 267. Type locality: Czech: “in der Nähe des Alvaters, Schlesien”.

Distribution in Turkey: Adiyaman (Naglis, 2011).

47. *Dolichopus signifer* Haliday, 1838

Dolichopus signifer Haliday, 1838: Ann. Nat. Hist. 2 (9): 184. Type locality: Ireland: Roundstone Bay.

Distribution in Turkey: Burdur (Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).

48. *Dolichopus simplex* Meigen, 1824

Dolichopus simplex Meigen, 1824: Syst. Besch. 4: 85. Type locality: Germany: Hamburg, Kiel.

Distribution in Turkey: Erzurum, Hakkari, Kars (Naglis, 2011).

49. *Dolichopus strigipes* Verrall, 1875

Dolichopus strigipes Verrall, 1875: Ent. Mon. Mag. 12: 143. Type locality: England: Fawley in Hampshire.

Distribution in Turkey: Artvin (Grichanov et al., 2007).

50. *Dolichopus subpennatus* d'Assis Fonseca, 1976

Dolichopus subpennatus d'Assis Fonseca, 1976: Ent. Mon. Mag. 111: 23. Type locality: UK: Inverness-shire, Spey Bridge.

Distribution in Turkey: Bolu (Grichanov and Tonguç, 2010b).

51. *Dolichopus thalhammeri* Knezy, 1929

Dolichopus thalhammeri Knezy, 1929: Folia Soc. Ent. Hung. 2(1): 19. Type locality: Hungary: Dabas; Bulgaria.

Distribution in Turkey: Antalya (Grichanov et al., 2007).

52. *Dolichopus unguulatus* (Linnaeus, 1758)

Musca unguulata Linnaeus, 1758: Syst. Nat. (Ed.10) 1: 598. Type locality: Europe.

Distribution in Turkey: Rize (Naglis, 2011).

53. *Dolichopus zaitzevi* Grichanov, 2012

Dolichopus zaitzevi Grichanov, 2012: Caucasian Entomological Bull. 8(2): 316–318. Type locality: NE Turkey: Kaçkar Mountains, N slope, lakeshore.

Dolichopus cinctipes Wahlberg, 1850: Grichanov, 2007b: 144, misidentification.

Distribution in Turkey: Kaçkar Mountains (Grichanov, 2012a).

Genus *Gymnopternus* Loew, 1857

54. *Gymnopternus angustifrons* (Staeger, 1842)

Dolichopus angustifrons Staeger, 1842: Naturhist. Tidsskr. 4: 44. Type locality: Denmark: “Flere Hanner paa Valdplanter”.

Distribution in Turkey: Kars (Naglis, 2011).

55. *Gymnopternus assimilis* (Staeger, 1842)

Dolichopus assimilis Staeger, 1842: Naturhist. Tidsskr. 4: 41. Type locality: not given [Denmark].

Distribution in Turkey: Hakkari (Naglis, 2011).

56. *Gymnopternus blankaartensis* (Pollet, 1990)

Hercostomus (Gymnopterus) blankaartensis Pollet 1990: Syst. Ent. 15: 374. Type locality: Belgium: West Flanders, Woumen, De Blankaart Nature Reserve.

Distribution in Turkey: Adiyaman (Naglis, 2011).

57. *Gymnopternus celer* (Meigen, 1824)

Dolichopus celer Meigen, 1824: Syst. Besch. 4: 84. Type locality: not given.

Distribution in Turkey: Çanakkale (Grichanov and Tonguç, 2010a).

Genus *Hercostomus* Loew, 1857

58. *Hercostomus apollo* (Loew, 1869)

Gymnopternus apollo Loew, 1869: Besch. eur. Dipt. 1: 279. Type locality: “Parnass, Griechenland” [Greece].

Distribution in Turkey: Toros Mountains (Becker, 1917; Grichanov et al., 2007).

59. *Hercostomus chetifer* (Walker, 1849)

Porphyrops chetifer Walker, 1849: List Dipt. brit. Mus. 3: 653. Type locality: England.

Distribution in Turkey: Antalya (Olejníček, 2004).

60. *Hercostomus conformis* (Loew, 1857)

Gymnopternus conformis Loew, 1857: Progr. Realsch. Meseritz 1857: 16. Type locality: Poland: Glogau [= Glogow].

Hercostomus chaerophylli Verrall, 1904: Ent. Mont. Mag. 15: 244 et auctores (misident., nec Meigen, 1824) [Parent, 1938: Faune de France 35: 161].

Distribution in Turkey: Erzurum, Kars (Naglis, 2011 [as *Hercostomus chaerophylli*]).

Remarks. *H. conformis* was in error placed in synonymy with *H. chalybeus* (Wiedemann, 1817) by Negrobov (1991: Catal. palaeart. Dipt. 7: 84), but was restored by Brooks and Wheeler (2005). The true *H. chaerophylli* (Meigen, 1824) is a synonym of *H. germanus* (Wiedemann, 1817) (e.g., Parent, 1925; Collin, 1940; Chandler, 1998).

61. *Hercostomus convergens* (Loew, 1857)

Gymnopternus convergens Loew, 1857: Progr. Realsch. Meseritz 1857: 17. Type locality: Italy; Austria.

Distribution in Turkey: Kars, Muğla (Pârvu and Popescu-Mirceni, 2006; Naglis, 2011).

62. *Hercostomus costatus* (Loew, 1857)
Gymnopternus costatus Loew, 1857: Progr. Realsch. Meseritz 1857: 19. Type locality: Turkey ("Kleinasien").
 Distribution in Turkey: Anatolia (Loew, 1857; Negrobov, 1991).
63. *Hercostomus fulvicaudis* (Walker, 1851)
Sybistroma fulvicaudis Walker, 1851. Ins. brit. 1(1): 154.
 Type locality: not given.
 Distribution in Turkey: Afyonkarahisar, Kütahya (Tonguç and Barlas, 2011).
64. *Hercostomus gracilis* (Stannius, 1831)
Dolichopus gracilis Stannius, 1831: Isis 1831: 255. Type locality: France: Paris.
 Distribution in Turkey: Aydın, Burdur (Grichanov et al., 2007).
65. *Hercostomus griseifrons* Becker, 1910
Hercostomus griseifrons Becker, 1910: Dtsch. ent. Z. 1910 (6): 649. Type locality: France: Corsica.
 Distribution in Turkey: Kütahya, Uşak (Tonguç et al., 2013).
66. *Hercostomus libanicola* Parent, 1933
Hercostomus libanicola Parent, 1933: Ann. Soc. Sci. Brux. (B) 53: 77. Type locality: Lebanon ("Nord du liban, Recharre").
 Distribution in Turkey: Çanakkale (Tonguç et al., 2010).
67. *Hercostomus longiventris* (Loew, 1857)
Sybistroma longiventris Loew, 1857: Programm K. Realschule Meseritz 1857: 9. Type locality: Austria: Mürrzuslag.
 Distribution in Turkey: Artvin, Muğla (Grichanov et al., 2007).
68. *Hercostomus nanus* (Macquart, 1827)
Dolichopus nanus Macquart, 1827: Mem. Soc. Sci. Agric. Lille 1826/1827: 66. Type locality: France.
Gymnopternus angustus Loew, 1857: Progr. Realsch. Meseritz 1857: 17. Type locality: Turkey: "Kleinasien".
 Distribution in Turkey: Muğla (Loew, 1857 [as *Gymnopternus angustus*], Grichanov et al., 2007).
69. *Hercostomus nigrilamellatus* (Macquart, 1827)
Dolichopus nigrilamellatus Macquart, 1827: Mem. Soc. Sci. Agric. Lille 1826/1827: 60. Type locality: not given [North France].
 Distribution in Turkey: Bolu (Grichanov and Tonguç, 2010a).
70. *Hercostomus phoebus* Parent, 1927
Hercostomus phoebus Parent, 1927: Ann. Soc. ent. France 96: 230. Type locality: Turkey: Angora, Anatolia.
 Distribution in Turkey: Ankara, Antalya, Burdur, Muğla (Parent, 1927; Hollis, 1963; Grichanov et al., 2007).
71. *Hercostomus rusticus* (Meigen, 1824)
Dolichopus rusticus Meigen, 1824: Syst. Besch. 4: 77. Type locality: not given.
 Distribution in Turkey: Rize (Naglis, 2011).
- Genus *Ortochile* Latreille, 1809**
 72. *Ortochile nigrocoerulea* Latreille, 1809
Ortochile nigrocoerulea Latreille, 1809: Gen. Crust. Ins. 4: 289. Type locality: France "Paris".
Ortochile unicolor Loew, 1850: Ent. Ztg. (Stettin) 11: 344. Type locality: "Kleinasien, bei Ephesus, Griechenland, Dalmatien, Oestereich" [Turkey, Greece, Croatia, Austria].
 Distribution in Turkey: Aydın, İzmir [Loew, 1850 ("Kleinasien, bei Ephesus", as *Ortochile unicolor*); Parent, 1927 ("Constantinopel"); Grichanov et al., 2007].
- Genus *Poecilobothrus* Mik, 1878**
 73. *Poecilobothrus basilicus* (Loew, 1869)
Gymnopternus basilicus Loew, 1869. Besch. Eur. Dipt. 1: 277. Type locality: Italy "Sicily".
 Distribution in Turkey: Adıyaman (Naglis, 2011).
74. *Poecilobothrus bigoti* Mik, 1883
Poecilobothrus bigoti Mik, 1883: Wien. Ent. Ztg. 2: 88. Type locality: "not given".
 Distribution in Turkey: Van (Naglis, 2011).
75. *Poecilobothrus caucasicus* (Stackelberg, 1934)
Hercostomus caucasicus Stackelberg, 1934 Flieg. Palaearkt. Reg. 4(5): 133. Type locality: "Caucacus: Amgata, Kuban-Gebiet; Fluß Kluchor, Suchum-Distr.; Berg Maruch bei Tas'halta, Suchum-Distr.; Station Kobi, Gouv. Tiflis; Armenien".
 Distribution in Turkey: Artvin, Rize (Grichanov et al., 2007 [as *Hercostomus caucasicus*]; Naglis 2011).
76. *Poecilobothrus chrysozygos* (Wiedemann, 1817)
Dolichopus chrysozygos Wiedemann, 1817. Zool. Mag. 1(1): 71. Type locality: Germany "probably Aachen".
 Distribution in Turkey: Kırklareli (Tonguç et al., 2009).
77. *Poecilobothrus comitalis* (Kowarz, 1867)
Gymnopternus comitalis Kowarz, 1867. Verh. Zool.-Bot. Ges. Wien. 17: 320. Type locality: Czech "Lučenec".
 Distribution in Turkey: locality not given (Negrobov, 1991).
78. *Poecilobothrus principalis* (Loew, 1861)
Gymnopternus principalis Loew, 1861: Wien. ent. Mschr. 5(5): 166. Type locality: Poland: Meseritz [=Miedzyrzecz]; Netherlands.
 Distribution in Turkey: Kütahya (Tonguç et al., 2013).
79. *Poecilobothrus regalis* (Meigen, 1824)
Dolichopus regalis Meigen, 1824. Syst. Besch. 4: 75. Type locality: not given.
 Distribution in Turkey: Adıyaman, Antalya (Kızıldere), Burdur, Denizli, Isparta, Kars, Muğla (Pârvu and Popescu-Mirceni, 2006, Grichanov et al., 2007, Naglis, 2011).
80. *Poecilobothrus varicoloris* (Becker, 1917)
Hercostomus varicoloris Becker, 1917. Nova Acta Acad. Caesar. Leop. Carol. 102 (2): 238. Type locality: "Kaukasus, Ostküste des Schwarzen Meeres" [Russia or Georgia].

Distribution in Turkey: Artvin (Grichanov et al., 2007 [as *Hercostomus varicoloris*]).

81. *Poecilobothrus varicoloris flavifemoratus* Grichanov & Tonguç, 2010

Poecilobothrus varicoloris flavifemoratus Grichanov & Tonguç, 2010: Int. J. Dipterological Research 21 (3): 225–229. Type locality: Turkey: Bolu.

Distribution in Turkey: Bolu (Grichanov and Tonguç, 2010b).

Genus *Sybistroma* Meigen, 1824

82. *Sybistroma crinipes* Staeger, 1842

Sybistroma crinipes Staeger, 1842: Naturh. Tidsskr. 4:6. Type locality: Denmark: “Ellomosen, Charlottenlund”.

Distribution in Turkey: Uşak (Tonguç and Barlas, 2011).

83. *Sybistroma discipes* (Germar, 1817)

Dolichopus discipes Germar, 1817. Fauna Ins. Eur. 4: taf. 24. Type locality: Germany: “Hamburg”.

Distribution in Turkey: Bursa, Çanakkale (Tonguç et al., 2009).

84. *Sybistroma impar* (Rondani, 1843)

Ludovicus impar Rondani, 1843. Nuovi. Ann. Sci. Nat. Ist. Bologna (1) 10: 43. Type locality: Italy.

Distribution in Turkey: Adiyaman, Antalya (Grichanov et al., 2007, Naglis, 2011).

85. *Sybistroma lorifer* (Mik, 1878)

Hercostomus lorifer Mik, 1878. Jber. K. K. Akad. Gymn. Wien 1877/1878: 11. Type locality: Italy “Calabrien”.

Distribution in Turkey: Uşak (Tonguç and Barlas, 2011).

86. *Sybistroma nodicornis* Meigen, 1824

Sybistroma nodicornis Meigen, 1824: Syst. Besch. 4: 72. Type locality: not given.

Distribution in Turkey: Afyonkarahisar, Uşak (Tonguç and Barlas, 2011).

87. *Sybistroma obscurellum* (Fallén, 1823)

Dolichopus obscurellus Fallén, 1823: Monogr. Dolichopod. Svec.: 13. Type locality: Sweden: “Esperöd Scan”.

Distribution in Turkey: Bursa, Çanakkale, Kirklareli (Tonguç et al., 2009).

88. *Sybistroma occidasiatica* Grichanov & Kazerani, 2014

Sybistroma occidasiatica Grichanov & Kazerani, 2014: Zootaxa 3866 (4): 572–582. Type locality: Turkey: [Antalya reg.] near Manavgat.

Distribution in Turkey: Antalya (Grichanov and Kazerani, 2014).

89. *Sybistroma schachtii* Naglis, 2011

Sybistroma schachtii Naglis, 2011: Mitteilungen der Schweizerischen Entomologischen Gesellschaft 84: 23–33. Type locality: Turkey “Hakkari”.

Distribution in Turkey: Hakkari (Naglis, 2011).

90. *Sybistroma sphenopterum* (Loew, 1859)

Hypophyllus sphenopterus Loew, 1859. Programm K. Realschule Meseritz 1859: 2. Type locality: “bei Wien; Schlesien; Harz” [Austria; Poland; Germany].

Distribution in Turkey: Çanakkale, Kars (Tonguç et al., 2009; Naglis, 2011).

91. *Sybistroma transcausicum* (Stackelberg, 1941)

Ludovicus transcausicus Stackelberg, 1941. Flieg. Palaearkt. Reg. 4 (5): 200. Type locality: Russia: “Suchum, Transkaukasien” [= Sukhumi].

Distribution in Turkey: Bursa (Grichanov and Tonguç, 2010a).

Genus *Tachytrechus* Haliday, 1851

92. *Tachytrechus beckeri* Lichtwardt, 1917

Tachytrechus beckeri Lichtwardt, 1917: Arch. Naturgesch. (A)82(4): 155. Type locality: France: “Corsica”.

Distribution in Turkey: Muğla (Grichanov et al., 2007).

93. *Tachytrechus flavicornis* Naglis, 2011

Tachytrechus flavicornis Naglis, 2011: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 84: 23–33. Type locality: Turkey “Kars”.

Distribution in Turkey: Kars (Naglis, 2011).

94. *Tachytrechus genualis* Loew, 1857

Tachytrechus genualis Loew, 1857: Z. Ges. Naturw. 10(8): 102. Type locality: not given [Germany].

Distribution in Turkey: Sakarya, Zonguldak (Grichanov and Tonguç, 2010a).

95. *Tachytrechus insignis* (Stannius, 1831)

Dolichopus insignis Stannius, 1831: Isis 1831: 270. Type locality: Poland: “Breslau” [= Wrocław].

Distribution in Turkey: Erzurum, Kars (Grichanov et al., 2007).

96. *Tachytrechus kowarzi* Mik, 1864

Tachytrechus kowarzi Mik, 1864: Verh. Zool.-Bot. Ges. Wien 14: 795. Type locality: Hungary: “Miskolez, Oberungarn”.

Distribution in Turkey: Burdur (Grichanov et al., 2007).

97. *Tachytrechus notatus* (Stannius, 1831)

Dolichopus notatus Stannius, 1831. Isis 1831: 269. Type locality: Germany: “Hamburg”.

Distribution in Turkey: Aydın, Korucuk, Muğla (Loew, 1857 [“Kleinasien”]; Pârvu and Popescu-Mirceni, 2006; Grichanov, 2007b; Grichanov et al., 2007).

98. *Tachytrechus petraeus* Loew, 1871

Tachytrechus petraeus Loew, 1871: Besch. eur. Dipt. 2: 283. Type locality: “Turkistan”.

Distribution in Turkey: Konya (Grichanov and Tonguç, 2010a).

99. *Tachytrechus ripicola* Loew, 1857

Tachytrechus ripicola Loew, 1857: Programm K. Realschule Meseritz 1857: 14. Type locality: Italy.

Distribution in Turkey: Antalya (Grichanov et al., 2007).

100. *Tachytrechus tessellatus* (Macquart, 1842)
Dolichopus tessellatus Macquart, 1842: Mem. Soc. Sci. Agr. Arts Lille 1841(1): 185. Type locality: Senegal.
Tachytrechus salinarius Becker, 1902: Mitt. zool. Mus. Berlin 2(2): 63. Type locality: Egypt.
 Distribution in Turkey: Antalya (Parvu and Popescu-Mirceni, 2006 [as *Tachytrechus salinarius*]).
101. *Tachytrechus transitorius* Becker, 1917
Tachytrechus transitorius Becker, 1917: Nova Acta Acad. Caesar. Leop. Carol. 102 (2): 262. Type locality: France: "Chamonix".
 Distribution in Turkey: Kars (Naglis, 2011).
- III. Subfamily Hydrophorinae**
Genus Aphrosylus Haliday, 1851
102. *Aphrosylus parcearmatus* Parent, 1925
Aphrosylus parcearmatus Parent, 1925: Ann. Soc. Sci. Brux. (B)44: 116 and Bull. Soc. R. Ent. Egypte 1925: 180. Type locality: Egypt: "Abou-Kir".
 Distribution in Turkey: Antalya, Aydın (Dilek National Park) (Grichanov, 2007b; Grichanov et al., 2007).
- Genus Hydrophorus Fallén, 1823**
103. *Hydrophorus balticus* (Meigen, 1824)
Medetera baltica Meigen, 1824: Syst. Besch. 4:66. Type locality: Germany: Hamburg.
 Distribution in Turkey: Antalya, Aydın, Denizli, Isparta, Kars, Muğla, Rize (Negrobov, 1991; Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2012).
104. *Hydrophorus callostomus* Loew, 1857
Hydrophorus callostomus Loew, 1857: Programme K. Realschule Meseritz 1857: 25. Type locality: Russia: Siberia.
 Distribution in Turkey: Erzurum, Kars (Naglis, 2012).
105. *Hydrophorus praecox* (Lehmann, 1822)
Dolichopus praecox Lehmann, 1822: Indic. Scholar. Hamb.Gymn. Acad.: 42. Type locality: Germany: Hamburg.
 Distribution in Turkey: Antalya, Bolu (Loew, 1857) ["Kleinasien", as *Hydrophorus inaequalipes*]; Olejníček, 2004; Parvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).
- Genus Liancalus Loew, 1857**
106. *Liancalus virens* (Scopoli, 1763)
Musca virens Scopoli, 1763: Ent. Carniolica: 342. Type locality: [Slovenia:] "Carnioliae indigena".
 Distribution in Turkey: Hakkari, Muğla (Loew, 1857 ["Kleinasien"]); Grichanov et al., 2007; Naglis, 2012).
- Genus Orthoceratium Schrank, 1803**
107. *Orthoceratium lacustre* (Scopoli, 1763)
Musca lacustris Scopoli, 1763: Ent. carniol.: 343. Type locality: [Slovenia:] "Carnioliae indigena".
 Distribution in Turkey: Afyonkarahisar, Kütahya (Tonguç et al., 2013).
- Genus Scellus Loew, 1857**
108. *Scellus grichanovi* Naglis, 2012
Scellus grichanovi Naglis, 2012: Mitteilungen Der Schweizerischen Entomologischen Gesellschaft, 85: 45–49. Type locality: Turkey, Bolu.
 Distribution in Turkey: Bolu (Naglis, 2012).
109. *Scellus notatus* (Fabricius, 1781)
Musca notata Fabricius, 1781: Spec. Ins. 2: 448. Type locality: England: "Angliae floribus".
 Distribution in Turkey: Afyonkarahisar (Tonguç et al., 2013).
110. *Scellus paramonovi* Stackelberg, 1926
Scellus paramonovi Stackelberg, 1926. Russk. Ent. Obozr. 20(3–4): 68. Type locality: Armenia: "mons Alagez".
 Distribution in Turkey: Erzurum, Rize (Naglis, 2012).
- Genus Schoenophilus Mik, 1878**
Remarks. *Schoenophilus* was considered a subgenus of *Thinophilus* Wahlberg by Grichanov (2007b) and Grichanov et al. (2007), who followed Becker (1917) and Grootaert and Meuffels (1984).
111. *Schoenophilus versutus* Haliday, 1851
Thinophilus versutus Haliday, 1851: Ins. Brit. Dipt. 1: 192. Type locality: UK.
 Distribution in Turkey: Antalya, Erzurum (Grichanov et al., 2007 [as *Thinophilus* (*Schoenophilus*) *versutus*]; Naglis, 2012).
- Genus Thinophilus Wahlberg, 1844**
112. *Thinophilus flavipalpis* (Zetterstedt, 1843)
Rhaphium flavipalpe Zetterstedt, 1843: Dipt. Scand. 2:472. Type locality: Sweden: Gottlandia, Bursviken.
 Distribution in Turkey: Ankara (Naglis, 2012).
113. *Thinophilus indigenus* Becker, 1902
Thinophilus indigenus Becker, 1902: Mitt. Zool. Mus. Berl. 2(2): 48. Type locality: Egypt: "Kairo, Assiur, Luxor, Assuan, Fayüm, and Suez".
 Distribution in Turkey: locality not given (Negrobov, 1991; Grichanov et al., 2007).
- IV. Subfamily Medeterinae**
Genus Medetera Fischer von Waldheim, 1819
114. *Medetera diadema* (Linnaeus, 1767)
Musca diadema Linnaeus, 1767: Syst. Nat., Ed.12, 1(2): 982. Type locality: Europe.
 Distribution in Turkey: İzmir (Yenifoça), Bujuk-Dere bei Constantinopel (Loew, 1857; Parvu and Popescu-Mirceni, 2006).
115. *Medetera flavichaeta* Naglis, 2013
Medetera flavichaeta Naglis, 2013: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 86: 165–173. Type locality: Turkey: Kars.
 Distribution in Turkey: Kars (Naglis, 2013).
116. *Medetera flavipes* Meigen, 1824
Medetera flavipes Meigen, 1824: Syst. Besch. 4: 61. Type locality: not given.
 Distribution in Turkey: Antalya-Side, Aydın, İzmir, Muğla, Adıyaman (Becker, 1917 ("Asia Minor"); Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2013).

117. *Medetera glaucelloides* Naglis, 2013
Medetera glaucelloides Naglis, 2013: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 86: 165–173. Type locality: Turkey: Hakkari.
 Distribution in Turkey: Hakkari (Naglis, 2013).
118. *Medetera jacula* (Fallén, 1823)
Hydrophorus jaculus Fallén, 1823. Monogr. Dolichopod. Svec.: 5. Type locality: Sweden: Scania.
 Distribution in Turkey: Antalya (Grichanov, 2007a, 2007b).
119. *Medetera lamprostomoides* Negrobov, 1974
Medetera lamprostomoides Negrobov, 1974: Flieg. Palaearkt. Reg. 4 (5): 313. Type locality: Russia: “Dorf Namskoe linkes Ufer des Flußes Lena, 90 km von Jakustk”.
 Distribution in Turkey: Ağrı, Kars (Naglis, 2013).
120. *Medetera meridionalis* Negrobov, 1967
Medetera meridionalis Negrobov, 1967: Ent. Obozr. 46(4): 903. Type locality: Russia: Voronezh, near Novokhopersk river.
 Distribution in Turkey: Kars (Naglis, 2013).
121. *Medetera mixta* Negrobov, 1967
Medetera mixta Negrobov, 1967: Dokl. Akad. Nauk. Arm. SSR 45 (6): 190. Type locality: Russia: Atai, Evpatoriya, Crimea.
 Distribution in Turkey: Kars, Ağrı (Naglis, 2013).
122. *Medetera muralis* Meigen, 1824
Medetera muralis Meigen, 1824: Syst. Besch. 4: 62. Type locality: Germany: Hamburg.
 Distribution in Turkey: Antalya, Denizli (Grichanov et al., 2007; Grichanov, 2007b).
123. *Medetera olegi* Naglis, 2013
Medetera olegi Naglis, 2013: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 86: 165–173. Type locality: Turkey: Hakkari.
 Distribution in Turkey: Hakkari (Naglis, 2013).
124. *Medetera pallipes* (Zetterstedt, 1843)
Hydrophorus pallipes Zetterstedt, 1843: Dipt. Scand. 2: 453. Type locality: Scania, “in Ostrog ad Wadstena; Botnia orientali ad Johannis Ro prope Torneä” [Sweden; Denmark].
 Distribution in Turkey: Antalya, Hakkari, Kars (Tonguç et al., 2009; Naglis, 2013).
125. *Medetera perfida* Parent, 1932
Medetera perfida Parent, 1932: Stettin. ent. Ztg, 93: 224. Type locality: Austria: Sölden, Ötztal.
 Distribution in Turkey: Uşak (Tonguç et al., 2013).
126. *Medetera plumbella* Meigen, 1824
Medetera plumbella Meigen, 1824: Syst. Besch. 4: 69. Type locality: Germany: Berlin.
 Distribution in Turkey: Kars (Naglis, 2013).
127. *Medetera setiventris* Thuneberg, 1955
Medetera setiventris Thuneberg, 1955: Ann. Ent. Fenn. 21: 142. Type locality: Finland: “Joutseno”.
 Distribution in Turkey: Antalya (Grichanov et al., 2007).
128. *Medetera thunebergi* Negrobov, 1967
Medetera thunebergi Negrobov, 1967: Ent. Obozr. 46(4): 893. Type locality: Russia: Leningrad region, Kartashevskaya.
 Distribution in Turkey: Kars (Naglis, 2013).
129. *Medetera truncorum* Meigen, 1824
Medetera truncorum Meigen, 1824: Syst. Besch. 4: 67. Type locality: Germany “Hamburg”.
 Distribution in Turkey: Adıyaman, Gaziantep, Hatay, Isparta, Mersin, Muğla, Şanlıurfa (Olejníček, 2004; Grichanov, 2007b; Grichanov et al., 2007).
130. *Medetera verae* Negrobov, 1967
Medetera verae Negrobov, 1967: Dokl. Akad. Nauk. Arm. SSR 45 (4): 190. Type locality: Armenia: Erevan.
 Distribution in Turkey: Ağrı (Naglis, 2013).
 Genus *Thrypticus* Gerstäcker, 1864
131. *Thrypticus bellus* Loew, 1869
Thrypticus bellus Loew, 1869: Besch. Eur. Dipt. 1: 303. Type locality: UK: “Kew”.
 Distribution in Turkey: Erzurum, Kars, Muğla (Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2013).
132. *Thrypticus intercedens* Negrobov, 1967
Thrypticus intercedens Negrobov, 1967: Ent. Obozr. 46 (4): 906. Type locality: Russia: Borok, Jaroslavl’ region.
 Distribution in Turkey: Hakkari (Naglis, 2013).
133. *Thrypticus viridis* Parent, 1932
Thrypticus viridis Parent, 1932: Stettin. Ent. Ztg. 93: 224. Type locality: Germany: “Berlin, Grunewald”.
 Distribution in Turkey: Antalya (Tonguç et al., 2009).
 V. Subfamily Neurigoninae
 Genus *Neurigona* Rondani, 1856
134. *Neurigona abdominalis* (Fallén, 1823)
Dolichopus abdominalis Fallén, 1823: Monogr. Dolich. Svec. (Dipt. Svec. 2): 21. Type locality: not given [Sweden].
 Distribution in Turkey: Kütahya (Tonguç et al., 2013).
135. *Neurigona erichsoni* (Zetterstedt, 1843)
Dolichopus erichsoni Zetterstedt, 1843. Dipt. Scand. 2: 613. Type locality: Sweden: “Scania, Lund, Slifákra, Röstänga, Lindholmen, Esperöd; Ostrogothia ad Gusum; Gottenvik, lonsberg; Gottlandia as Nähr, insula Furillen”.
 Distribution in Turkey: Bursa, Çanakkale (Tonguç et al., 2010).
136. *Neurigona nubifera* (Loew, 1869)
Saucropus nubifer Loew, 1869. Besch. Eur. Dipt. 1: 302. Type locality: Greece: “Griechenland”.
 Distribution in Turkey: Edirne (Grichanov and Tonguç 2010).
 VI. Subfamily Peloropeodinae
 Genus *Chrysotimus* Loew, 1857
137. *Chrysotimus molliculus* (Fallén, 1823)
Dolichopus molliculus Fallén, 1823: Dipt. Svec. 2: 23. Type locality: not given.

- Distribution in Turkey: Kirklareli (Tonguç et al., 2010).
- Genus *Micromorphus* Mik, 1878**
138. *Micromorphus albipes* (Zetterstedt, 1843)
Hydrophorus albipes Zetterstedt, 1843: Dipt. Scand. 2: 454. Type locality: Sweden: Ostrogotha; Lärketorp.
 Distribution in Turkey: Denizli (Korucuk), Antalya (Kızıldere), Muğla (Pârvu and Popescu-Mirceni 2006; Tonguç et al. 2009).
- Genus *Peloropecodes* Wheeler, 1890**
139. *Peloropecodes acuticornis* (Oldenberg, 1916)
Anomalopyga acuticornis Oldenberg, 1916: Ent. Mitt. 5(5/8): 187. Type locality: Romania: Herkulesbad, Ungarn [=Băile Herculane].
 Distribution in Turkey: Kütahya (Tonguç et al., 2013).
- Genus *Vetimicrotes* Dyte, 1980**
140. *Vetimicrotes mediterraneus* (Becker, 1918)
Microtes mediterraneus Becker, 1918. Nova Acta Acad. Caesar. Leop. Carol. 104(2): 133. Type locality: Insel Brioni bei Pola und auf Korfu [Croatia; Greece].
 Distribution in Turkey: İzmir (Pârvu and Popescu-Mirceni, 2006).
- VII. Subfamily Rhapsiinae**
- Genus *Rhaphium* Meigen, 1803**
141. *Rhaphium albifrons* Zetterstedt, 1843
Rhaphium albifrons Zetterstedt, 1843: Dipt. Scand. 2: 479. Type locality: Norway: "Scandinavia boreali-Norvegia Garnaes Vaerdaliae".
 Distribution in Turkey: Kütahya (Tonguç et al., 2013).
142. *Rhaphium appendiculatum* Zetterstedt, 1849
Rhaphium appendiculatum Zetterstedt, 1849: Dipt. Scand. 8: 3058. Type locality: Sweden "Scania ad Esperöd".
Xiphandrium macrocerum Parent, 1925: Enc. ent., Ser. B, II, Dipt. 2: 42 (nec Meigen, 1824, nec Zetterstedt, 1843), misidentification.
 Distribution in Turkey: Adıyaman, Denizli (Korucuk) (Olejníček, 2004 (as *Rhaphium macrocerum*); Pârvu and Popescu-Mirceni, 2006 (as *R. macrocerum*), Grichanov et al., 2007).
143. *Rhaphium brevicorne* Curtis, 1835
Rhaphium brevicorne Curtis, 1835: Brit. Ent. 12: 568. Type locality: UK "Isle of Wight".
 Distribution in Turkey: Antalya (Kızıldere) (Pârvu and Popescu-Mirceni, 2006).
144. *Rhaphium caliginosum* Meigen, 1824
Rhaphium caliginosum Meigen, 1824: Syst. Besch. 4: 29. Type locality: not given.
 Distribution in Turkey: Burdur, İzmir (Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).
145. *Rhaphium fascipes* (Meigen, 1824)
Porphyrops fascipes Meigen, 1824: Syst. Besch. 4: 54. Type locality: Germany: "Hamburg".
 Distribution in Turkey: locality not given (Negrobov, 1991).
146. *Rhaphium laticorne* (Fallén, 1823)
Hydrochus laticornis Fallén, 1823: Monogr. Dolichop. Svec.: 6. Type locality: Sweden.
 Distribution in Turkey: Denizli (Korucuk) (Negrobov, 1991; Pârvu and Popescu-Mirceni, 2006).
147. *Rhaphium micans* (Meigen, 1824)
Porphyrops micans Meigen, 1824: Syst. Besch. 4: 52. Type locality: Germany: "Hamburg".
 Distribution in Turkey: Muğla, Rize (Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).
- VIII. Subfamily Sciapodinae**
- Genus *Amblypsilopus* Bigot, 1888**
148. *Amblypsilopus turcicus* Tonguç & Grootaert, 2013
Amblypsilopus turcicus Tonguç & Grootaert, 2013: J. Entomol. Res. Soc., 15 (1): 91–95. Type locality: Turkey: Rize.
 Distribution in Turkey: Rize (Tonguç and Grootaert, 2013).
- Genus *Sciapus* Zeller, 1842**
149. *Sciapus aberrans* Becker, 1918
Sciapus aberrans Becker, 1918: Nova Acta Acad. Leop. Carol. 104(2): 187. Type locality: Lebanon: Beirut.
 Distribution in Turkey: Adana (Grichanov et al., 2007).
150. *Sciapus albifrons* (Meigen, 1830)
Psilopus albifrons Meigen, 1830: Syst. Besch. 6: 360. Type locality: not given.
 Distribution in Turkey: Aydın (Buharkent) (Popescu-Mirceni and Pârvu, 2009).
 Remarks. A record of *S. albifrons* by Popescu-Mirceni and Pârvu (2009) with a question mark needs confirmation.
151. *Sciapus flavicinctus* (Loew, 1857)
Psilopus flavicinctus Loew, 1857: Programm K. Realschule Meseritz 1857: 4. Type locality: Turkey: "bei Constantinopel".
 Distribution in Turkey: Adana (Grichanov et al., 2007).
152. *Sciapus heteropygus* Parent, 1926
Sciapus heteropygus Parent, 1926: Encycl. Ent. (B II) Dipt. 3: 30. Type locality: France "Ardennes, Mézières".
 Distribution in Turkey: Muğla (Pârvu and Popescu-Mirceni, 2006).
153. *Sciapus holoxanthos* Parent, 1926
Sciapus holoxanthos Parent, 1926: Encycl. Ent. (B II) Dipt. 3: 32. Type locality: France "Hyères; Apt".
 Distribution in Turkey: Muğla (Grichanov et al., 2007).
154. *Sciapus maurus* Parent, 1930
Sciapus maurus Parent, 1930: Annls. Soc. Sci. Brux. (B) 50: 90. Type locality: Algeria "Jean Bart, d'Alger".
 Distribution in Turkey: Antalya-Side (Grichanov, 2007b).
- IX. Subfamily Sympycninae**
- Genus *Campsicnemus* Haliday, 1851**
155. *Campsicnemus armatus* (Zetterstedt, 1849)
Dolichopus armatus Zetterstedt, 1849: Dipt. Scand. 8: 3093. Type locality: Denmark: Rosenthal, Gryphium.

- Distribution in Turkey: Kars (Naglis, 2009).
- 156. *Campsicnemus barbitibia* Stackelberg, 1947**
Campsicnemus barbitibia Stackelberg, 1947: Ent. Obozr. 29(1–2): 98, 101. Type locality: Tajikistan: Tavildara.
 Distribution in Turkey: Uşak (Tonguç et al., 2013).
- 157. *Campsicnemus crinitarsis* Strobl, 1906**
Campsicnemus crinitarsis Strobl, 1906: Mem. Soc. esp. Hist. nat. 3: 324. Type locality: Spain: Malgrat.
 Distribution in Turkey: Uşak (Tonguç et al., 2013).
- 158. *Campsicnemus curvipes* (Fallén, 1823)**
Dolichopus curvipes Fallén, 1823: Monogr. Dolich. Svec.: 20. Type locality: not given.
 Distribution in Turkey: Antalya, Bolu (Olejníček, 2004; Grichanov, 2007b; Grichanov et al., 2007).
- 159. *Campsicnemus filipes* Loew, 1859**
Campsicnemus filipes Loew, 1859: Progr. Realsch. Meseritz 1859: 12. Type locality: Austria: “bei Wien”.
 Distribution in Turkey: Afyonkarahisar (Tonguç et al., 2013).
- 160. *Campsicnemus magius* (Loew, 1845)**
Medeterus magius Loew, 1845: Ent. Ztg. (Stettin) 6: 392. Type locality: Italy: Sicily.
 Distribution in Turkey: Denizli (Korucuk) (Pârnu and Popescu-Mirceni, 2006).
- 161. *Campsicnemus picticornis* (Zetterstedt, 1843)**
Dolichopus picticornis Zetterstedt, 1843: Dipt. Scand. 2: 607. Type locality: Sweden: “Suecia meridionali at media, in Scania and Råften: Ostrogothia ad Lärketorp; Häradschammar; Holmiam”.
 Distribution in Turkey: Hakkari (Naglis, 2009).
- 162. *Campsicnemus simplicissimus* Strobl, 1906**
Campsicnemus simplicissimus Strobl, 1906: Mem. Soc. esp. Hist. nat. 3: 323. Type locality: Spain: Algeciras.
 Distribution in Turkey: Antalya, Konya (Beyşehir lake) (Grichanov et al., 2007; Naglis, 2009).
- 163. *Campsicnemus umbripennis* Loew, 1856**
Campsicnemus umbripennis Loew, 1856: Programm K. Realschule zu Meseritz, 1856: 46. Type locality: Austria.
 Distribution in Turkey: Erzurum, Hakkari, Isparta, Kars, Muğla (Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2009).
- Genus *Lamprochromus* Mik, 1878**
- 164. *Lamprochromus dalmaticus* Parent, 1927**
Lamprochromus dalmaticus Parent, 1927: Encycl. Ent. (B II) Dipt. 4: 45. Type locality: Yugoslavia: “Côte Dalmata, Raguse”.
 Distribution in Turkey: Erzurum (Naglis, 2011).
- 165. *Lamprochromus speciosus* (Loew, 1871)**
Sympycnus speciosus Loew, 1871: Besch. eur. Dipt. 2: 299. Type locality: Tajikistan: Sarawschan Thal [=Zeravshan valley].
 Distribution in Turkey: Muğla (Pârnu and Popescu-Mirceni, 2006).
- 166. *Lamprochromus strobli* Parent, 1925**
Lamprochromus strobli Parent, 1925: Encycl. Ent. (B II) Dipt. 1: 141. Type locality: not given.
 Distribution in Turkey: Adiyaman (Naglis, 2009).
- Genus *Sympycnus* Loew, 1857**
- 167. *Sympycnus annulipes* (Meigen, 1824)**
Porphyrops annulipes Meigen, 1824. Syst. Besch. 4: 56. Type locality: Germany “Hamburg”.
 Distribution in Turkey: Aydın, Erzurum, Kars, Muğla, Rize (Grichanov et al., 2007, Naglis, 2009).
- 168. *Sympycnus pulicarius* (Fallén, 1823)**
Dolichopus pulicarius Fallén, 1823. Monogr. Dolichopod. Svec.: 20. Type locality: not given [Sweden].
 Distribution in Turkey: Aydın, Muğla, Van (Grichanov et al., 2007; Naglis, 2009).
 Remarks. Both *Sympycnus pulicarius* and *S. annulipes* were reported from Turkey by Grichanov et al. (2007, as phenotypes of *S. pulicarius*) and by Naglis (2009, as different species). For further information see Tonguç et al. (2010).
- 169. *Sympycnus simplicipes* Becker, 1908**
Sympycnus simplicipes Becker, 1908: Mitt. zool. Mus. Berl. 4: 46. Type locality: Spain: Canary Is., Tenerife.
 Distribution in Turkey: Afyonkarahisar, Kütahya, Uşak (Tonguç et al., 2013).
- Genus *Syntormon* Loew, 1857**
- 170. *Syntormon abbreviatus* Becker, 1918**
Syntormon abbreviatus Becker, 1918: Nova Acad. Caesar. Leop. Carol. 103(3): 272. Type locality: Bel-Mehtia, Aegn-Draham.
 Distribution in Turkey: Adiyaman (Naglis, 2009).
- 171. *Syntormon aulicus* (Meigen, 1824)**
Porphyrops aulica Meigen, 1824: Syst. Besch. 4: 48. Type locality: not given.
 Distribution in Turkey: Adiyaman, Burdur (Loew, 1857 [“Kleinasien”, as *Eutarsus aulicus*]; Grichanov et al., 2007; Naglis, 2009).
- 172. *Syntormon codinai* Parent, 1924**
Syntormon codinai Parent, 1924: Trab. Mus. Cienc. Nat. Barcelona 4(6): 9. Type locality: Morocco: “Tanger, Cabo Espartel”.
 Distribution in Turkey: Adiyaman (Naglis, 2009).
- 173. *Syntormon denticulatus* Zetterstedt, 1843**
Rhaphium denticulatum Zetterstedt, 1843: Dipt. Scand. 2: 478. Type locality: Sweden: “Scania”.
 Distribution in Turkey: Erzurum, Muğla, Van (Pârnu and Popescu-Mirceni, 2006; Grichanov et al., 2007; Naglis, 2009).
- 174. *Syntormon fuscipes* (Von Roser, 1840)**
Porphyrops fuscipes Von Roser, 1840: CorrespBl. Württ. Landw. Ver. Stuttg. (N.S.) 17 (1): 56. Type locality: not given [Germany: Württemberg].
 Distribution in Turkey: Adiyaman (Olejníček, 2004; Grichanov et al., 2007 [locality not given]).

175. *Syntormon metathesis* (Loew, 1850)
Rhaphium metathesis Loew, 1850. Stettin. Ent. Ztg. 11(4): 118. Type locality: Germany.
 Distribution in Turkey: locality not given (Grichanov et al., 2007).
176. *Syntormon monilis* (Haliday, 1851)
Rhaphium monile Haliday, 1851. Ins. Brit. Dipt. 1: 205.
 Type locality: England; Ireland.
 Distribution in Turkey: Kars (Naglis, 2009).
177. *Syntormon pallipes* (Fabricius, 1794)
Musca pallipes Fabricius, 1794: Ent. Syst. 4: 340. Type locality: Germany.
 Distribution in Turkey: Adiyaman, Ankara, Antalya, Burdur, Denizli, Hakkari, Isparta, Denizli (Korucuk), Muğla, Van (Pârvu and Popescu-Mirceni, 2006; Grichanov, 2007b; Grichanov et al., 2007; Naglis, 2009).
178. *Syntormon pumilus* (Meigen, 1824)
Porphyrops pumilum Meigen, 1824: Syst. Besch. 4: 53.
 Type locality: not given.
 Distribution in Turkey: Erzurum, Kars, Denizli (Korucuk) (Pârvu and Popescu-Mirceni, 2006; Naglis, 2009).
179. *Syntormon subinermis* (Loew, 1869)
Synarthrus subinermis Loew, 1869: Besch. Eur. Dipt. 1: 290. Type locality: Slovakia: "Losonez" [=Lučenec].
 Distribution in Turkey: Adiyaman, Erzurum (Naglis, 2009).
180. *Syntormon zelleri* (Loew, 1850)
Rhaphium zelleri Loew, 1850: Ent. Ztg. (Stettin) 11(4): 121. Type locality: Italy: "Scilien".
 Distribution in Turkey: Afyonkarahisar, Uşak (Tonguç et al., 2013).
- Genus *Telmaturgus* Mik, 1874**
181. *Telmaturgus tumidulus* (Raddatz, 1873)
Sympycnus tumidulus Raddatz, 1873: Stettin. Ent. Ztg. 34: 326. Type locality: Germany: "Mecklenburg".
 Distribution in Turkey: Kars (Naglis, 2009).
- Genus *Teuchophorus* Loew, 1857**
182. *Teuchophorus bisetus* Loew, 1871
Teuchophorus bisetus Loew, 1871: Besch. eur. Dipt. 2: 298. Type locality: Uzbekistan: "Serawschan Thal, Turkestan" (originally published as "Samarkand et vallis fluminis Zeraphshan" [=Zeravshan valley]).
 Distribution in Turkey: Aydin (Tonguç et al., 2010).
183. *Teuchophorus chaetifemoratus* Pollet & Kechev, 2007
Teuchophorus chaetifemoratus Pollet & Kechev, 2007: Zootaxa 1592: 47. Type locality: Bulgaria: Plovdiv province, Rhodopes Mountains, Markovo.
 Distribution in Turkey: Kütahya, Uşak (Tonguç et al., 2013).
184. *Teuchophorus cristulatus* Meuffels & Grootaert, 1992
Teuchophorus cristulatus Meuffels & Grootaert, 1992: Animalia 1990, 17: 131. Type locality: Italy: Sicily, prov. Trapani, Alkamo.
 Distribution in Turkey: Muğla (Tonguç et al., 2010).
185. *Teuchophorus monacanthus* Loew, 1859
Teuchophorus monacanthus Loew, 1859: Programm. K. Realschule Meseritz 1859: 21. Type locality: not given.
 Distribution in Turkey: Antalya, Artvin, Muğla (Pârvu and Popescu-Mirceni, 2006; Grichanov et al., 2007).
186. *Teuchophorus quadrisetosus* Naglis, 2009
Teuchophorus quadrisetosus Naglis, 2009: Mitteilungen der Schweizerischen Entomologischen Gesellschaft, 82: 173–180. Type locality: Turkey "Kars".
 Distribution in Turkey: Kars (Naglis, 2009).
187. *Teuchophorus spinigerellus* (Zetterstedt, 1843)
Dolichopus spinigerellus Zetterstedt, 1843. Dipt. Scand. 2: 604. Type locality: "Suecia meridionali et media, Scania ad Lund; Ostrogothia ad Wadstena, Dania" [Sweden, Denmark].
 Distribution in Turkey: Adiyaman (Naglis, 2009).
- X. Subfamily Xanthochlorinae**
Genus *Xanthochlorus* Loew, 1857
188. *Xanthochlorus tenellus* (Wiedemann, 1817)
Dolichopus tenellus Wiedemann, 1817: Zool. Mag. 1 (1): 75. Type locality: Denmark: Holstein.
 Distribution in Turkey: Kütahya (Tonguç and Barlas, 2011).

4. Discussion

The study of Dolichopodidae in the Turkish territory is spotty. Many provinces are undercollected, and sometimes their dolichopodid fauna is not known at all. As a result of our investigation, the fauna of the region comprises one subspecies and 187 species (including some doubtful records of females). Fifteen species [*Chrysotus albibarbus* Loew, 1857; *Diaphorus baechlii* Naglis, 2010; *Dolichopus zaitzevi* Grichanov, 2012; *Hercostomus costatus* (Loew, 1857); *H. phoebus* Parent, 1927; *Sybistroma occidasiatica* (Grichanov & Fazerani, 2014); *S. schachtii* Naglis, 2011; *Tachytrechus flavicornis* Naglis, 2011; *Scellus grichanovi* Naglis, 2012; *Medetera flavichaeta* Naglis, 2013; *M. glaucelloides* Naglis, 2013; *M. olegi* Naglis, 2013; *Amblypsilopus turcicus* Tonguç & Grootaert, 2013; *Sciapus flavicinctus* (Loew, 1857); and *Teuchophorus quadrisetosus* Naglis, 2009] and one subspecies (*Poecilobothrus varicoloris flavifemoratus* Grichanov & Tonguç, 2010) have their type locality within Turkey, and 13 of them are at present endemic species or subspecies.

It is estimated that the real number of species will probably exceed 250 when special expeditions covering a wider geographical area of the country are conducted. For

comparison, so far 220 species are known for the Russian Northwestern Caucasus (Grichanov, 2012b) and 265 from Romania (Pârvu, 2002). The authors of this paper have at least three undescribed species collected from Turkey.

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