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## A list of the species of the family *Meloidae* recorded in Turkey with a nomenclatural note (*Coleoptera*)

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**Abstract:** A list of the species of the family *Meloidae* recorded in Turkey with a nomenclatural note (*Coleoptera*). *Cent. Ent. Stud., Misc. Pap.* 152: 1-7.

In this paper, 178 species of *Meloidae* known from Turkey are listed with synonymous names and distributions. One species is reported as new to fauna of Turkey. A replacement name, *Mylabris terraturcica* **nom.n.** for a pre-occupied specific name, is proposed.

**Key words:** Fauna, list, *Meloidae*, *Coleoptera*, Turkey, nomenclature.

Within the frame of the project "Entomofauna of Turkey" by the Cesa, an attempt is made here on the determining the actual situation of the *Meloidae* fauna of Turkey. In the following list, 178 species of the family are given in Turkey, based upon the info-system of the Cesa. In general, the *Meloidae* fauna is poorly known in Turkey. Many species are mentioned in the literature as Turkey, Asia minor only, or in one or two provinces. Some more widely distributed species are also known in limited provinces, e.g., *Hycleus zebraeus* (Marseul,1870) (21 provinces, 25.92% of total provinces); *Mylabris (Eumylabris) fabricii* Sumakov,1924 (17 provinces, 20.98% of total provinces); *Mylabris (s.str.) quadripunctata* (Linnaeus,1767) (34 provinces, 41.97% of total provinces); *Mylabris (s.str.) variabilis* (Pallas,1781) (18 provinces, 22.22% of total provinces). A pre-occupied specific name, *Mylabris marginata* Fischer von Waldheim,1844 is replaced by a new name, *Mylabris terraturcica* **nom.nov.** [see footnote, nr.1]. This species is also recorded in Turkey (Iğdır Prov.) for the first time.

### List of the species

In the following alphabetically arranged list, the valid names of the meloid species recorded from Turkey are listed. Synonymous names of the species are arranged in chronological order. Nomenclaturally unavailable names are marked by #. Original references are added to some species. Distributions of the species in Turkey are mentioned as provincial codes of the state.

1. ***Actenodia confluens* (Reiche,1866)** Synonym(s): *confluens* Reiche,1866; *picta* Baudi di Selve,1878; *caudanigra* Abeille de Perrin,1880; *ottomana* Escherich,1899; *mediopartita* Mader,1929; *mediodisjuncta* Pic,1930 Province (in codes): **06 07 11 16 26 34 35 42**
2. ***Actenodia peyroni* (Reiche,1866)** Synonym(s): *peyroni* Reiche,1866; #*peyronis* Reiche,1866 Province (in codes): **33**
3. ***Alosimus abeillei* (Escherich,1896)** Synonym(s): *abeillei* Escherich,1896 Province (in codes): **05 18**
4. ***Alosimus armeniacus* (Faldermann,1837)** Synonym(s): *armeniacus* Faldermann,1837 Province (in codes): **04 06 14 21 25 29 36 51 55 56 57 60 66 69 75**
5. ***Alosimus castaneus* Escherich,1896** Synonym(s): *castaneus* Escherich,1896 Province (in codes): **21 25 47 56**

6. ***Alosimus chalybaeus* (Tauscher,1812)** Synonym(s): *chalybaeus* Tauscher,1812 Province (in codes): **01 03 07 22 25 35 42 45 51 63 64**
7. ***Alosimus decolor* (Abeille de Perrin,1880)** Synonym(s): *decolor* Abeille de Perrin,1880 Province (in codes): **06 12 21 22 34 35 45 47 62 66**
8. ***Alosimus gracilis* (Abeille de Perrin,1880)** Synonym(s): *gracilis* Abeille de Perrin,1880 Province (in codes): **07 25 33**
9. ***Alosimus luteus* (Waltl,1838)** Synonym(s): *luteus* Waltl,1838 Province (in codes): **02 21 56 62 63**
10. ***Alosimus marginicollis* Haag-Rutenberg,1880** Synonym(s): *marginicollis* Haag-Rutenberg,1880 Province (in codes): **43 50 60**
11. ***Alosimus pallidicollis* (Gyllenhal,1806)** Synonym(s): *pallidicollis* Gyllenhal,1806 Province (in codes): **12 23 33 62**
12. ***Alosimus reittedianus* (Semenov,1990)** Synonym(s): *reittedianus* Semenov,1990 Province (in codes): **25**
13. ***Alosimus smyrnensis* (Maran,1942)** Synonym(s): *smyrnensis* Maran,1942 Province (in codes): **20 35 43 64**
14. ***Alosimus syriacus* (Linnaeus,1758)** Synonym(s): *syriacus* Linnaeus,1758; *austriacus* Schrank,1781 Original reference: *Meloe syriacus* Linnaeus,1758, Syst. Nat. (Edn. 10) 1: 419. Type: "Syria". Province (in codes): **42 63**
15. ***Apalus apicalis* Latreille,1804** Synonym(s): *apicalis* Latreille,1804
16. ***Apalus bimaculatus* (Linnaeus,1761)** Synonym(s): *bimaculatus* Linnaeus,1761
17. ***Apalus bipunctatus* Germar,1817** Synonym(s): *bipunctatus* Germar,1817; *#bipunctatus* Özbek & Szaloki,1998 Province (in codes): **08**
18. ***Apalus montanus* Escherich,1897** Synonym(s): *montanus* Escherich,1897 Province (in codes): **51**
19. ***Apalus mulsanti* (Reiche,1878)** Synonym(s): *mulsanti* Reiche,1878
20. ***Apalus necydalaeus* (Pallas,1782)** Synonym(s): *necydalaeus* Pallas,1782 Province (in codes): **21 25**
21. ***Apalus spectabilis* Schaum,1859** Synonym(s): *spectabilis* Schaum,1859 Province (in codes): **17**
22. ***Calydus escherichi* Reitter,1898** Synonym(s): *escherichi* Reitter,1898
23. ***Cerocoma adamovichiana* (Piller & Mitterpacher,1783)** Synonym(s): *adamovichiana* Piller & Mitterpacher,1783 Province (in codes): **10 22 25 42**
24. ***Cerocoma albopilosa* Dvorak,1993** Synonym(s): *albopilosa* Dvorak,1993 Province (in codes): **42**
25. ***Cerocoma bodemeyeri* Reitter,1913** Synonym(s): *bodemeyeri* Reitter,1913 Province (in codes): **26**
26. ***Cerocoma dahli* Kraatz,1863** Synonym(s): *dahli* Kraatz,1863 Province (in codes): **01 02 19 21 23 24 25 29 33 36 38 51 60 63 69 80**
27. ***Cerocoma ephesica* Reitter,1885** Synonym(s): *ephesica* Reitter,1885 Province (in codes): **03 07 14 24 25 42**
28. ***Cerocoma festiva* Faldermann,1837** Synonym(s): *festiva* Faldermann,1837 Province (in codes): **25 49 62**
29. ***Cerocoma gloriosa* Mulsant,1857** Synonym(s): *gloriosa* Mulsant,1857 Province (in codes): **33 48 80**
30. ***Cerocoma kunzei* Frivaldsky,1835** Synonym(s): *kunzei* Frivaldsky,1835 Province (in codes): **07 23 24 25**
31. ***Cerocoma macedonica* Maran,1944** Synonym(s): *macedonica* Maran,1944 Province (in codes): **17 35**
32. ***Cerocoma malatyensis* Kaszab,1941** Synonym(s): *malatyensis* Kaszab,1941 Province (in codes): **44 56 62**
33. ***Cerocoma marginiventris* Reitter,1889** Synonym(s): *marginiventris* Reitter,1889 Province (in codes): **76**
34. ***Cerocoma muehlfeldi* Gyllenhal,1817** Synonym(s): *muehlfeldi* Gyllenhal,1817 Province (in codes): **05 06 12 23 25 29 39 45 46 60 62**
35. ***Cerocoma schaefferi* (Linnaeus,1758)** Synonym(s): *schaefferi* Linnaeus,1758 Province (in codes): **06 25**
36. ***Cerocoma schreberi* Fabricius,1781** Synonym(s): *schreberi* Fabricius,1781 Province (in codes): **07 16 39 46 54 59**
37. ***Cerocoma scovitzi* Faldermann,1837** Synonym(s): *scovitzi* Faldermann,1837 Province (in codes): **12 23 24 27 42 44 62**

38. **Cerocoma syriaca** Abeille de Perrin,1880 Synonym(s): *syriaca* Abeille de Perrin,1880 Province (in codes): **21 24 41 56 77**
39. **Cerocoma turcica** Pardo Alcaide,1977 Synonym(s): *turcica* Pardo Alcaide,1977 Province (in codes): **76**
40. **Ctenopus** sp.
41. **Epicauta erythrocephala** (Pallas,1771) Synonym(s): *erythrocephala* Pallas,1771 Province (in codes): **22 24**
42. **Euzonitis bifasciata** Swarts,1808 Synonym(s): *bifasciata* Swarts,1808
43. **Euzonitis fluvipennis** (Fabricius,1792) Synonym(s): *fluvipennis* Fabricius,1792 Province (in codes): **75**
44. **Euzonitis quadrimaculata** (Pallas,1782) Synonym(s): *quadrimaculata* Pallas,1782; *quadripunctata* Fabricius,1801; *bifasciata* Schwarz,1808 Province (in codes): **05 06 25 32 33 36 53**
45. **Euzonitis rubida** (Ménétriés,1832) Synonym(s): *rubida* Ménétriés,1832 Province (in codes): **07 25 33 51**
46. **Euzonitis sexmaculata** (Olivier,1790) Synonym(s): *sexmaculata* Olivier,1790 Original reference: *Apalus sexmaculatus* Olivier,1790, *Encycl. méthod.* 4: 166. Province (in codes): **05 06 55 66**
47. **Euzonitis terminata** (Abeille de Perrin,1880) Synonym(s): *terminata* Abeille de Perrin,1880; *auricomma* Escherich,1891; *bombycina* Escherich,1896; *armeniaca* Pic,1901 Province (in codes): **05 06**
48. **Hycleus birecurvus** (Marseul,1870) Synonym(s): *birecurvus* Marseul,1870; *caudaluteus* Pic,1930
49. **Hycleus fuscus** (Olivier,1811) Synonym(s): *fuscus* Olivier,1811; *galatiensis* Escherich,1899
50. **Hycleus humerosus** (Escherich,1899) Synonym(s): *humerosus* Escherich,1899
51. **Hycleus novemdecimpunctatus** (Olivier,1811) Synonym(s): *novemdecimpunctatus* Olivier,1811 Province (in codes): **22**
52. **Hycleus polymorphus** (Pallas,1771) Synonym(s): *polymorphus* Pallas,1771 Province (in codes): **07 22**
53. **Hycleus posticatus** (Fairmaire,1892) Synonym(s): *posticatus* Fairmaire,1892
54. **Hycleus quatuordecimpunctatus** (Pallas,1781) Synonym(s): *quatuordecimpunctatus* Pallas,1781; *meliloti* Olivier,1811; *combusta* Tauscher,1812; *confusa* Fischer von Waldheim,1827
55. **Hycleus scabiosae** (Olivier,1811) Synonym(s): *scabiosae* Olivier,1811; *euphratica* Marseul,1870; *marseuli* Ballion,1878; *alienigera* Heyden,1883; *maracadensis* Dokhtoureff,1889; *auliensis* Pic,1901; *sicheri* Fleischer,1921; *eichleri* Mader,1927; *transcaspiensis* Pic,1928; *delta* Sumakov,1930; *epsilon* Sumakov,1930 Province (in codes): **04 06 11 13 17 24 25 26 36 42 44 45 47 49 65 76**
56. **Hycleus sexmaculatus** (Olivier,1811) Synonym(s): *sexmaculatus* Olivier,1811; *bimaculatus* Klug,1845 *nec Oliv.*,1811; *ledereri* Marseul,1870 Province (in codes): **01 07 23 33 44 80**
57. **Hycleus tenuepictus** (Fairmaire,1892) Synonym(s): *tenuepictus* Fairmaire,1892; *marsabensis* Pic,1898
58. **Hycleus zebraeus** (Marseul,1870) Synonym(s): *zebraea* Marseul,1870; *tenenbaumi* Pic,1928; *kervillei* Pic,1932 Province (in codes): **02 03 06 07 08 12 17 19 20 24 26 27 31 35 42 47 48 51 62 66 69**
59. **Lampromeloe cavensis** (Petagna,1819) Synonym(s): *cavensis* Petagna,1819; *purpurascens* Germar,1834; *sardous* Gené,1836; *aeneus* Laporte,1840; *latreillei* Marseul,1867 Province (in codes): **07**
60. **Lasiomeloe olivieri** (Chevrolat,1833) Synonym(s): *olivieri* Chevrolat,1833 Province (in codes): **05 06 24 26 71**
61. **Lydus anatolicus** Muche,1962 Synonym(s): *anatolicus* Muche,1962 Province (in codes): **66**
62. **Lydus europaeus** Escherich,1897 Synonym(s): *europaeus* Escherich,1897 Province (in codes): **47**
63. **Lydus gibbifer** Escherich,1896 Synonym(s): *gibbifer* Escherich,1896 Province (in codes): **02 73**
64. **Lydus humeralis** Gyllenhal,1817 Synonym(s): *humeralis* Gyllenhal,1817
65. **Lydus pilicollis** Fairmaire,1892 Synonym(s): *pilicollis* Fairmaire,1892 Province (in codes): **01 07 33 46 48 49**
66. **Lydus tarsalis** Abeille de Perrin,1880 Synonym(s): *tarsalis* Abeille de Perrin,1880 Province (in codes): **12 47 56 73**
67. **Lydus tenuitarsis** Abeille de Perrin,1880 Synonym(s): *tenuitarsis* Abeille de Perrin,1880 Province (in codes): **12**
68. **Lydus trimaculatus** (Fabricius,1775) Synonym(s): *trimaculatus* Fabricius,1775 Province (in codes): **01 06 09 10 16 17 22 59**
69. **Lydus turcicus** Kaszab,1952 Synonym(s): *turcicus* Kaszab,1952 Province (in codes): **01 06 10 13 14 23 24 25 26 29 32 41 42 44 45 51 77**
70. **Lydus unicolor** Reitter,1887 Synonym(s): *unicolor* Reitter,1887; *halbhuberi* Escherich,1896 Province (in codes): **01 08 24 25 49 69 80**

71. ***Lytta vesicatoria* (Linnaeus,1758)** Synonym(s): *vesicatoria* Linnaeus,1758 Province (in codes): 25 60
72. ***Meloe bodemeyeri* Ganglbauer,1900** Synonym(s): *bodemeyeri* Ganglbauer,1900
73. ***Meloe brevicollis* Panzer,1793** Synonym(s): *brevicollis* Panzer,1793 Province (in codes): 75
74. ***Meloe deflexus* Reitter,1889** Synonym(s): *deflexus* Reitter,1889 Province (in codes): 02 31
75. ***Meloe ganglbaueri* Apfelbeck,1907** Synonym(s): *ganglbaueri* Apfelbeck,1907 Province (in codes): 07
76. ***Meloe glasunovi* Pliginski,1910** Synonym(s): *glasunovi* Pliginski,1910; *rufotarsalis* Pliginski,1911 Province (in codes): 75
77. ***Meloe hungarus* Schrank,1776** Synonym(s): *hungarus* Schrank,1776 Province (in codes): 26 64
78. ***Meloe mediterraneus* Müller,1925** Synonym(s): *mediterraneus* Müller,1925 Province (in codes): 04 07 13 21 24 25 29 65
79. ***Meloe proscarabaeus* Linnaeus,1758** Synonym(s): *proscarabaeus* Linnaeus,1758 Province (in codes): 04 06 13 14 18 21 24 25 42 49 50 71
80. ***Meloe rugosus* Marsham,1802** Synonym(s): *rugosus* Marsham,1802 Province (in codes): 06 11 14
81. ***Meloe scabriusculus* Brandt & Erichson,1832** Synonym(s): *scabriusculus* Brandt & Erichson,1832; *pygmaeus Baudi di Selve,1878*; *nigra* Pliginski,1911; *pliginskiyi* Kaszab,1958 Province (in codes): 25
82. ***Meloe tuccicus* Rossi,1792** Synonym(s): *tuccicus* Rossi,1792; *ruficornis* Balbi,1897 Province (in codes): 25 26 35 38 42 71
83. ***Meloe variegatus* Donovan,1793** Synonym(s): *variegatus* Donovan,1793; *#variegatus* Özbek & Szaloki,1998 Province (in codes): 13 25 26 35 46
84. ***Meloe violaceus* Marsham,1802** Synonym(s): *violaceus* Marsham,1802 Province (in codes): 04 08 25 53
85. ***Meloegonius cicatricosus* (Leach,1815)** Synonym(s): *cicatricosus* Leach,1815; *variolosus* Fischer von Waldheim,1844 Province (in codes): 08 11 21 38
86. ***Meloegonius rufiventris* (Germar,1817)** Synonym(s): *rufiventris* Germar,1817; *coriarius* Brandt & Erichson,1832; *reticulatus* Brandt & Ratzeburg,1833; *cyanicornis* Escherich,1889 Province (in codes): 24
87. ***Micromeloe decorus* (Brandt & Erichson,1832)** Synonym(s): *decorus* Brandt & Erichson,1832; *pygmaeus* Redtenbacher,1849
88. ***Muzimes bitlisiensis* (Kaszab,1958)** Synonym(s): *bitlisiensis* Kaszab,1958 Province (in codes): 13 21
89. ***Muzimes caucasicus* (Maran,1940)** Synonym(s): *caucasicus* Maran,1940; *unicoloriceps* Kaszab,1958
90. ***Muzimes collaris* (Fabricius,1787)** Synonym(s): *collaris* Fabricius,1787 Province (in codes): 15 16 18 32 45 71
91. ***Muzimes dersimensis* (Kaszab,1968)** Synonym(s): *dersimensis* Kaszab,1968; *#dersinensis* Özbek & Szaloki,1998 Original reference: *Micromerus dersimensis* Kaszab,1968, *Annln naturh. Mus. Wien* 72: 444, 447-448. Holotype ♂: [Türkei]: Klein-Asien: 20-25km südwestlich von Tunceli, 20.vi.1967 (NHMW). Province (in codes): 12 21 23 60 62
92. ***Muzimes erivanicus* (Kaszab,1958)** Synonym(s): *erivanicus* Kaszab,1958; *luteiceps* Kaszab,1958; *nigriceps* Kaszab,1958; *nigrilabris* Kaszab,1958; *seminigriceps* Kaszab,1958 Original reference: *Micromerus erivanicus* Kaszab,1958, *Acta ent. Mus. nat. Pragae* 32: 5-18. Province (in codes): 24 25 36 69
93. ***Muzimes obenbergeri* (Kaszab,1958)** Synonym(s): *obenbergeri* Kaszab,1958 Province (in codes): 38 42
94. ***Muzimes ressl* (Dvorak,1993)** Synonym(s): *ressli* Dvorak,1993
95. ***Muzimes semiobscurus* (Pic,1898)** Synonym(s): *semiobscurus* Pic,1898 Province (in codes): 35 58 60
96. ***Muzimes strebai* (Maran,1940)** Synonym(s): *strebai* Maran,1940 Province (in codes): 01 31 33
97. ***Muzimes tauricus* (Maran,1940)** Synonym(s): *tauricus* Maran,1940 Province (in codes): 07
98. ***Mylabris (Chalcabris) festiva* (Pallas,1773)** Synonym(s): *festiva* Pallas,1773; *sericea* Pallas,1782 Province (in codes): 12 24
99. ***Mylabris (Chalcabris) formosa* Welman,1910** Synonym(s): *decora* Frivaldsky,1835; *formosa* Welman,1910
100. ***Mylabris (Chrysabris) terraturcica* nom.nov.<sup>1</sup>** Synonym(s): *marginata* Fischer von Waldheim,1844 nec Fabricius,1792 Province (in codes): 76 **New to the fauna of Turkey!**

<sup>1</sup> *Mylabris marginata* Fischer von Waldheim was described in 1844 from Russia, "Dauria, Songoria" (*Spicilegium Ent. Rossiae. Bull. Moscou* 17: 133-134, Tab.iii fig.6). This species is also represented in South Caucasus, Goravan Sands 970m (Armenia), 01.06.2004, Kalashian leg. <http://www.meloidae.com/meloidae/displayimage.php?pos=-957>. In fact, the name *Mylabris marginata* was previously used by Fabricius in 1792 for another species in the same family. Under the current ICZN Rules, *Mylabris marginata* Fischer von Waldheim,1844 is junior primary homonym of

101. ***Mylabris (Eumylabris) calida* (Pallas,1782)** Synonym(s): *calida* Pallas,1782; *maculata* Olivier,1795; *bimaculata* Olivier,1811; *decora* Olivier,1811; *maura* Chevrolat,1837; *niligena* Reiche,1865; *maroccana* Escherich,1899; *bimaculaticeps* Pic,1920; *tlemceni* Pic,1930 Province (in codes): **01 08 11 14 17 22 26 32 34 35 41 42 45 76**
102. ***Mylabris (Eumylabris) cincta* Olivier,1811** Synonym(s): *cincta* Olivier,1811; *tiflensis* Billberg,1813; *matthesi* Faldermann,1837; *bicolor* Waltl,1838; *taeniata* Waltl,1838; *tringulata* Redtenbacher,1850; *jugatoria* Reiche,1865; *soubironi* Pic,1921; *#cincta* Kaszab,1968 Province (in codes): **01 07 08 12 14 23 24 25 32 35 38 45 47 48 62 65**
103. ***Mylabris (Eumylabris) crocata* (Pallas,1781)** Synonym(s): *crocata* Pallas,1781; *duodecimpunctata* Tauscher,1812 Province (in codes): **01 03 20 23 26 35 45 50 51**
104. ***Mylabris (Eumylabris) fabricii* Sumakov,1924** Synonym(s): *decimpunctata* Petagna,1787 nec Fabr.,1781; *forti* Mulsant,1857; *fabricii* Sumakov,1924 Province (in codes): **01 06 08 12 23 24 26 32 35 42 46 47 49 51 58 62 69**
105. ***Mylabris (Micrabris) geminata* Fabricius,1798** Synonym(s): *geminata* Fabricius,1798 Province (in codes): **06 08 25 36 51 53**
106. ***Mylabris (Micrabris) laevicollis* Marseul,1870** Synonym(s): *laevicollis* Marseul,1870 Province (in codes): **16 25 36 76**
107. ***Mylabris (Micrabris) pusilla* Olivier,1811** Synonym(s): *pusilla* Olivier,1811 Province (in codes): **25 36 75 76**
108. ***Mylabris (Micrabris) sinuata* Klug,1845** Synonym(s): *sinuata* Klug,1845 Province (in codes): **46 60**
109. ***Mylabris (s.str.) olivieri* Billberg,1813** Synonym(s): *olivieri* Billberg,1813; *caspia* Ménétrés,1832; *grisescens* Reiche,1865; *impar* Baudi,1878; *impexa* Escherich,1899; *kopetensis* Pic,1930 Province (in codes): **06 07 08 11 23 24 25 26 33 36 37 42 44 69**
110. ***Mylabris (s.str.) quadripunctata* (Linnaeus,1767)** Synonym(s): *quadripunctata* Linnaeus,1767; *melanura* Pallas,1781; *decimpunctata* Fabricius,1781; *octopunctata* Olivier,1811; *adamsi* Fischer von Waldheim,1824; *armeniaca* Faldermann,1837; *restricta* Motschoulsky,1849; *maldinesi* Chevrolat,1865 Province (in codes): **01 06 07 08 11 17 19 22 24 26 31 32 33 34 35 38 42 43 44 45 46 47 48 51 52 54 57 59 62 63 65 66 70 73**
111. ***Mylabris (s.str.) variabilis* (Pallas,1781)** Synonym(s): *cichorii* Linnaeus,1767; *variabilis* Pallas,1781; *lacera* Fischer von Waldheim,1827; *mutans* Guérin de Ménéville,1834; *hypocrita* Mulsant,1857; *similaris* Mulsant,1857; *disrupta* Baudi,1878; *erivanica* Pic,1901 Province (in codes): **01 06 07 08 09 10 16 17 18 22 25 34 36 41 42 59 62 80**
112. ***Mylabris (Zitunabris) syriaca* Klug,1845** Synonym(s): *gebleri* Faldermann,1837; *syriaca* Klug,1845; *intersecta* Reiche,1857; *smyrnensis* Escherich,1899 Province (in codes): **01 07 15 31 32 33 35 48 49 56 80**
113. ***Mylabris apicenigra* Sumakov,1924** Synonym(s): *apicenigra* Sumakov,1924 Province (in codes): **02 12 25 50 62**
114. ***Mylabris ciliciensis* (Escherich,1899)** Synonym(s): *ciliciensis* Escherich,1899; *alpha* Sumakov,1913 Province (in codes): **21 33 51 76**
115. ***Mylabris cingulata* Faldermann,1837** Synonym(s): *cingulata* Faldermann,1837 Province (in codes): **06**
116. ***Mylabris concolor* Marseul,1870** Synonym(s): *concolor* Marseul,1870 Original reference: *Mylabris concolor* Marseul,1870, Abeille 1870: 112. Province (in codes): **23 42**
117. ***Mylabris decempunctata* Fabricius,1781** Synonym(s): *decempunctata* Fabricius,1781
118. ***Mylabris decore* Frivaldsky,1835** Synonym(s): *decore* Frivaldsky,1835
119. ***Mylabris emiliae* (Escherich,1899)** Synonym(s): *emiliae* Escherich,1899 Province (in codes): **06 25**
120. ***Mylabris externepunctata* Faldermann,1832** Synonym(s): *externepunctata* Faldermann,1832 Province (in codes): **25**
121. ***Mylabris flavipennis* Motschulsky,1872** Synonym(s): *flavipennis* Motschulsky,1872
122. ***Mylabris furcimacula* Sumakov,1915** Synonym(s): *furcimacula* Sumakov,1915 Province (in codes): **08 25**
123. ***Mylabris fusca* (Olivier,1811)** Synonym(s): *fusca* Olivier,1811 Province (in codes): **02 09 12 21 25 26 30 31 33 35 42 44 45 48 49 56 62**
124. ***Mylabris humerosa* (Escherich,1899)** Synonym(s): *humerosa* Escherich,1899 Province (in codes): **05 07 12 23 25 30 35 47 49 62**
125. ***Mylabris inculta* (Escherich,1899)** Synonym(s): *inculta* Escherich,1899

*Mylabris marginata* Fabricius,1792, Ent. Syst. 1 (2): 88; and it cannot be used as valid name for a taxon. There is no nomenclaturally available synonym of *Mylabris marginata* Fischer von Waldheim. Under this circumstances, we propose here a replacement name, *Mylabris terraturcica* nom.nov. for *Mylabris marginata* Fischer von Waldheim,1844 nec *Mylabris marginata* Fabricius,1792. The species is also represented in Aras valley in North East Turkey, Iğdır Province, Tuzluca NW, 1050m.

126. ***Mylabris modesta* (Escherich,1899)** Synonym(s): *modesta* Escherich,1899; *elbursiensis* Aksentjev,1985
127. ***Mylabris munda* (Escherich,1897)** Synonym(s): *munda* Escherich,1897 Province (in codes): 06
128. ***Mylabris pentheri* Ganglbauer,1905** Synonym(s): *pentheri* Ganglbauer,1905
129. ***Mylabris polymorphus* (Pallas,1771)** Synonym(s): *polymorphus* Pallas,1771; *floralis* Pallas,1773 Province (in codes): 62 73
130. ***Mylabris serena* (Escherich,1899)** Synonym(s): *serena* Escherich,1899 Original reference: *Zonabris serena* Escherich,1899, Wien. Ent. Ztg. 18: 99, Taf. ii fig.2. Syntypes: 2 ex [Türkei: Iğdır Prov., Tuzluca]: "Kasikoparan". Province (in codes): Province (in codes): 24 25 76
131. ***Mylabris sericea* Pallas,1782** Synonym(s): *sericea* Pallas,1782
132. ***Mylabris steppensis* (Dokhtouroff,1889)** Synonym(s): *steppensis* Dokhtouroff,1889
133. ***Mylabris suturalis* (Pic,1898)** Synonym(s): *suturalis* Pic,1898; *morgani* Pic,1920 Province (in codes): 12
134. ***Mylabris tomentosa* (Escherich,1899)** Synonym(s): *tomentosa* Escherich,1899; *externeundulata* Pic,1919; *kulpensis* Pic,1919 Original reference: *Zonabris tomentosa* Escherich,1899, Wien. Ent. Ztg. 18: 99. Syntypes: [Türkei: Iğdır Prov., Tuzluca]: "Kaukasus: Kasikoparan". Province (in codes): 76
135. ***Nemognatha chrysomelina* (Fabricius,1775)** Synonym(s): *chrysomelina* Fabricius,1775; *#chrysomelira* Özbek & Szaloki,1998 Province (in codes): 01 06 07 08 11 19 24 32 43
136. ***Oenas afer* (Linnaeus,1767)** Synonym(s): *afer* Linnaeus,1767; *atrata* Fabricius,1775 Original reference: *Meloe afer* Linnaeus,1767, Syst. Nat. (Edn. 12) 1 (2): 680. Type(s): Barbaria.
137. ***Oenas armeniacus* Kaszab,1951** Synonym(s): *armeniacus* Kaszab,1951 Province (in codes): 25 49
138. ***Oenas crassicornis* (Illiger,1800)** Synonym(s): *crassicornis* Illiger,1800 Province (in codes): 01 06 10 11 15 16 22 24 25 32 35 41 45 49 55 66 71
139. ***Oenas tarsensis* Abeille de Perrin,1880** Synonym(s): *tarsensis* Abeille de Perrin,1880 Province (in codes): 01 33 60
140. ***Oenas tenuicornis* Abeille de Perrin,1880** Synonym(s): *tenuicornis* Abeille de Perrin,1880; *#tenuitarsis* Kaszab,1968 Province (in codes): 01 21 25 56 44 73
141. ***Oenas wilhelmsi* Faldermann,1832** Synonym(s): *wilhelmsi* Faldermann,1832; *armeniacus* Kaszab,1951
142. ***Sitaris minutus* Pic,1932** Synonym(s): *minutus* Pic,1932
143. ***Sitaris rufiventris* Kraatz,1884** Synonym(s): *rufiventris* Kraatz,1884
144. ***Sitaris solieri* Pecchioli,1839** Synonym(s): *solieri* Pecchioli,1839; *apicalis* Escherich,1897
145. ***Stenodera anatolica* Frivaldsky,1884** Synonym(s): *anatolica* Frivaldsky,1884 Province (in codes): 01 07 33 24 60
146. ***Stenodera caucasica* (Pallas,1781)** Synonym(s): *caucasica* Pallas,1781 Province (in codes): 08 18 21 25 26 30 43 57 80
147. ***Stenodera coeruleiceps* Fairmaire,1892** Synonym(s): *coeruleiceps* Fairmaire,1892 Province (in codes): 31 32 33
148. ***Stenodera oculifera* Abeille de Perrin,1880** Synonym(s): *oculifera* Abeille de Perrin,1880
149. ***Stenodera puncticollis* (Chevrolat,1829)** Synonym(s): *puncticollis* Chevrolat,1829 Province (in codes): 01 02
150. ***Stenoria analis* Schaum,1859** Synonym(s): *analis* Schaum,1859; *adusta* Schaum,1859; *colletis* Mayet,1874 Province (in codes): 08
151. ***Stenoria apicalis* (Latreille,1804)** Synonym(s): *apicalis* Latreille,1804
152. ***Syriolytta vulneratus* (Fairmaire,1892)** Synonym(s): *vulneratus* Fairmaire,1892; *suturifera* Pic,1899; *fairmairei* Borchmann,1917
153. ***Taphromeloe erythrocnemus* (Pallas,1782)** Synonym(s): *erythrocnemus* Pallas,1782; *corallipes* Gebler,1847 Province (in codes): 06 42 58
154. ***Teratolytta carlae* Bologna,2006** Synonym(s): *carlae* Bologna,2006 Original reference: *Teratolytta carlae* Bologna,2006, Eur. J. ent. 103: 145-146, figs. Holotype ♂: Turkey: Malatya Prov., Tecde (MNHNP). Province (in codes): 02 44
155. ***Teratolytta dives* (Brullé,1832)** Synonym(s): *dives* Brullé,1832; *phalerata* Frivaldsky,1837; *vittata* Kiesenwetter,1861; *excellens* Escherich,1894 Province (in codes): 01 10 17 31 33 34 35 45
156. ***Teratolytta dvoraki* Bologna,2006** Synonym(s): *dvoraki* Bologna,2006 Original reference: *Teratolytta dvoraki* Bologna,2006, Eur. J. ent. 103: 154-155, figs. Holotype ♂: [Turkey]: Anatol. Or., Bugleu [Buğlan] Pass, Solhau [Solhan] 1500-1600m, 30.iv.1989 W.Heinz leg. Province (in codes): 12
157. ***Teratolytta flavipes* (Mulsant & Rey,1858)** Synonym(s): *flavipes* Mulsant & Rey,1858; *semividua* Abeille de Perrin,1895; *saphirina* Abeille de Perrin,1895 Province (in codes): 01 07 31 33

158. ***Teratolytta gentilis* (Frivaldsky,1877)** Synonym(s): *gentilis* Frivaldsky,1877; *violaceipennis* Beaugregard,1890; *#coeruleipennis* Escherich,1894; *coonensis* G.Müller,1936 Province (in codes): **07 35 42**
159. ***Teratolytta kulzeri* Kaszab,1958** Synonym(s): *kulzeri* Kaszab,1958 Province (in codes): **65 73**
160. ***Teratolytta monticola* Bologna,2006** Synonym(s): *monticola* Bologna,2006 Province (in codes): **25**
161. ***Teratolytta senilis* (Abeille de Perrin,1895)** Synonym(s): *senilis* Abeille de Perrin,1895; *bytinskii* Kaszab,1957 Province (in codes): **31**
162. ***Teratolytta taurica* Bologna,2006** Synonym(s): *taurica* Bologna,2006 Province (in codes): **33 70**
163. ***Teratolytta vanensis* Kaszab,1968** Synonym(s): *vanensis* Kaszab,1968 Original reference: *Teratolytta vanensis* Kaszab,1968, Annln naturh. Mus. Wien 72: 448-450. Holotype ♂: [Türkei]: Klein-Asien: Kusunkiran [Kusgunkiran], östlich [westlich] von Van, 2265m 29 v 1966 (NHMW). Province (in codes): **01 65**
164. ***Treiodous autumnalis* (Olivier,1797)** Synonym(s): *autumnalis* Olivier,1797 Province (in codes): **75**
165. ***Trichomeloe chrysocomus* (Miller,1861)** Synonym(s): *chrysocomus* Miller,1861
166. ***Trichomeloe conicicollis* (Reitter,1907)** Synonym(s): *conicicollis* Reitter,1907 Province (in codes): **48**
167. ***Trichomeloe deflexus* (Reitter,1889)** Synonym(s): *deflexus* Reitter,1889
168. ***Trichomeloe ottomanus* (Pliginskji,1914)** Synonym(s): *ottomanus* Pliginskji,1914
169. ***Trichomeloe sericellus* (Reiche & Saulcy,1857)** Synonym(s): *sericellus* Reiche & Saulcy,1857
170. ***Zonitis bellieri* Reiche,1860** Synonym(s): *bellieri* Reiche,1860; *turcica* Frivaldsky,1877
171. ***Zonitis escherichi* Semenov,1893** Synonym(s): *escherichi* Semenov,1893
172. ***Zonitis flava* Fabricius,1775** Synonym(s): *flava* Fabricius,1775; *praeusta* Fabricius,1792; *thoracica* Laporte,1840 **07 14 24 26 25 55**
173. ***Zonitis gibbicollis* Abeille de Perrin,1880** Synonym(s): *gibbicollis* Abeille de Perrin,1880 Province (in codes): **33**
174. ***Zonitis immaculata* (Olivier,1790)** Synonym(s): *immaculata* Olivier,1790; *mutica* Scriba,1790; *gibbicollis* Abeille de Perrin,1880 **05 06 19 33 42**
175. ***Zonitis microcephala* Escherich,1897** Synonym(s): *microcephala* Escherich,1897 Province (in codes): **06**
176. ***Zonitis nana* Ragusa,1882** Synonym(s): *nana* Ragusa,1882; *laevicollis* Escherich,1891 Province (in codes): **18 25 42**
177. ***Zonitis nigriventris* Motschulsky,1845** Synonym(s): *nigriventris* Motschulsky,1845 Province (in codes): **76**
178. ***Zonitis ruficollis* Frivaldsky,1877** Synonym(s): *ruficollis* Frivaldsky,1877; *rubricollis* Abeille de Perrin,1880; *abeillei* Bedel,1892; *thoracica* Escherich,1892 Province (in codes): **06 07 47**

# Nomenclatural notes on some families of the order *Diptera*

Ahmet Ömer Koçak   Muhabbet Kemal

**Abstract:** Nomenclatural notes on some families of the order *Diptera*. *Cent. Ent. Stud., Misc. Pap.* 152: 8-9.

In this paper, two replacement names on the genus group taxa of the families *Heleomyzidae* and *Ephydriidae* are proposed. An unnecessarily proposed replacement name, *Cytherea paramonovi* Evenhuis & Greathead, 1999 is discussed and synonymized in the family *Bombyliidae*.

**Key words:** Nomenclature, *Heleomyzidae*, *Ephydriidae*, *Bombyliidae*, *Diptera*.

Within the frame of the project “Entomofauna of Turkey” by the Cesa, nomenclatural studies on the order *Diptera* have been carrying out by the authors for many years. As a result of the present survey, the following generic and names are recorded for the first time as junior homonyms: *Trichochlamys* Czerny, 1924 (*Heleomyzidae*), and *Pelex* Cresson, 1925 (*Ephydriidae*). These names are evaluated nomenclaturally. Besides, an unnecessarily proposed specific replacement name, *Cytherea paramonovi* Evenhuis & Greathead, 1999 (*Bombyliidae*) is discussed below and synonymized in accordance with the related articles of the ICZN.

## *Heleomyzidae*

### *Woznicaia* nom.n.

*Trichochlamys* Czerny, 1924 (Abh. Zool.-bot. Ges. Wien 15: 155) is invalid as being junior homonym of *Trichochlamys* Hulst, 1896 (Trans. Amer. Ent. Soc. 23: 291) (*Lepidoptera*). For that reason, *Trichochlamys* Czerny, 1924 cannot be used as valid name according to the Rules of the Homonymy (ICZN). No synonym of *Trichochlamys* Czerny, 1924 is available. As a result of this, we propose here a replacement name, *Woznicaia* **nom. n.** for *Trichochlamys* Czerny, 1924 nec *Trichochlamys* Hulst, 1896. New name is dedicated to our colleague Dr. A. J. Woznica for his important contributions to the taxonomy of the World *Heleomyzidae*.

Necessary name combination:

*Woznicaia borealis* (Czerny, 1924) **comb.n.** America.

## *Ephydriidae*

### *Philippinocesa* nom.n.

*Pelex* Cresson, 1925 (Trans. Amer. Ent. Soc. 60: 253) is invalid as being junior homonym of *Pelex* Gould, 1852 ([in] Wilkes, U. S. Expl. Exped. 12: 153) (*Mollusca*). For that reason, *Pelex* Cresson, 1925 cannot be used as valid name according to the Rules of the Homonymy (ICZN). No synonym of *Pelex* Cresson, 1925 is available. As a result of this, we propose here a replacement



name, *Philippinocesa* **nom. n.** for *Pelex* Cresson,1925 nec *Pelex* Gould,1852. New name is a combination of the geographical and institutional names.

Necessary name combination:

*Philippinocesa purimana* (Cresson,1925) **comb.n.** Philippines: Luzon.

## ***Bombyliidae***

### ***Cytherea elegans* Paramonov,1930 (stat.rev.)<sup>2</sup>**

=*Cytherea paramonovi* Evenhuis & Greathead,1999 (**syn.n.**)<sup>3</sup>

*Cytherea elegans* was described by Paramonov in 1930 based upon the specimens from Armenia. This species belongs to the genus *Cytherea* Fabricius,1794 (Ent. Syst. 4: 413) (*Bombyliidae*, *Diptera*). On the other hand, *Cytherea elegans* was described by Lamarck in 1804 (Ann. Mus. Hist. Nat. Paris vii (38): 135). This species belongs to the genus *Cytherea* Lamarck, op.cit., p.132 in *Mollusca*. According to the homonymy rules of the ICZN, the generic names *Cytherea* Fabricius,1794 and *Cytherea* Lamarck,1804 are homonyms (see Article 53.2); therefore the latter cannot be used as valid name. However, *Cytherea elegans* Paramonov, 1930 and *Cytherea elegans* Lamarck, 1804 are not homonyms, as they established for different nominal genera (see Article 57.8.1). Therefore, we propose here *Cytherea elegans* Paramonov, 1930 (**stat.rev.**) as the valid name for the taxon.

**C o n t e n t s :** Koçak,A.Ö. & M.Kemal, A list of the species of the family *Meloidae* recorded in Turkey with some nomenclatural notes (*Coleoptera*), p. 1 - Koçak,A.Ö. & M.Kemal, Nomenclatural notes on some families of the order *Diptera*, p. 8 - **Editorial**, p. 9.

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<sup>2</sup> Paramonov, S. J., 1930, *Trudy Fiz.-Mat. Vidd. Ukr. Akad. Nauk* 15 (3): 355-481 [387]

<sup>3</sup> Evenhuis,N.L. & Greathead,D.J.,1999, *World Catalog of bee flies (Diptera, Bombyliidae)*. 756pp. Backhuys Publishers, Leiden.



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