



An updated checklist of the ground beetles (Coleoptera: Carabidae) of Sardinia*

AUGUSTO VIGNA TAGLIANTI

Dipartimento di Biologia Animale e dell'Uomo, Sapienza Università di Roma, Viale dell'Università 32, I-00185 Rome, Italy. E-mail: augusto.vignataglianti@uniroma1.it

*In: Cerretti, P., Mason, F., Minelli, A., Nardi, G. & Whitmore, D. (Eds), *Research on the Terrestrial Arthropods of Sardinia (Italy)*. Zootaxa, 2318, 1–602.

Abstract

An up-to-date checklist of the ground beetles of Sardinia and surrounding islets is presented. The presence on the island of 379 species is confirmed, while 41 are here considered of doubtful occurrence. All endemic elements are indicated and concise information is given on the Italian distribution of each species, together with the chorotype of recurrent pattern of main distribution.

Key words: Carabidae, checklist, distribution, chorotypes, endemics, Sardinia, Italian fauna

Introduction

The first list of the ground beetles of Sardinia was published as an appendix in a paper by Casale and Vigna Taglianti (1996). Such list, with 351 species, was the result of the critical examination of all bibliographical data on Sardinia and especially of the material collected by Italian entomologists during more than thirty years of research trips in mainland Sardinia and its surrounding small islands and archipelagos. The nomenclature and taxonomy of that list followed the “Checklist delle specie della fauna italiana” (Vigna Taglianti 1993), the first attempt to update the list of Italian carabids after Magistretti’s (1965) catalogue. A few years later, Vigna Taglianti (2001) published a catalogue of the carabid fauna (157 species) of the small circum-Sardinian islands.

More recently, many new species (especially belonging to the soil fauna) have been described from Sardinia (Magrini 2000; Magrini 2001; Marggi & Huber 2001; Leo & Magrini 2002; Magrini & Bulirsch 2002; Kopecky 2003; Magrini 2003a, 2003b; Magrini *et al.* 2003; Casale 2004; Casale & Magrini 2004; Magrini 2004; Magrini *et al.* 2004; Leo *et al.* 2005; Magrini & Fancello 2005; Magrini & Degiovanni 2006; Magrini *et al.* 2006; Magrini & Fancello 2007; Magrini & Fancello 2009), and several taxonomic revisions of various carabid groups have been published, not only based on morphological characters (*cf.* Hieke 2001; Wrase 2009) but also on biochemical phylogeography, like the one by Ketmaier *et al.* (2003) on the subspecies of *Percus strictus* (Dejean, 1828).

Four recently published works have been of primary importance for the nomenclature and taxonomy of Carabidae, also of the Mediterranean area and particularly of Sardinia: the two volumes by Lorenz (1998a, 1998b), with a second edition in 2005 (Lorenz 2005a, 2005b), the revision of genus-group names by Bousquet (2002), and the catalogue by Löbl and Smetana (2003), a milestone in the taxonomy and faunistics of Palaearctic ground beetles. Since 2004 it is also possible to consult the *Fauna Europaea* database for data on the Sardinian Carabidae (Vigna Taglianti 2004).

It is considered useful, if not necessary in the framework of a monograph on the Sardinian fauna, to publish the updated list of the ground beetles of Sardinia, with a revised taxonomic arrangement and a verified presence of the species.

Updated to September 2009, the carabid fauna of Sardinia and its surrounding islets consists of 379 species, to which an additional 41—of doubtful occurrence—have been added. The nomenclature used follows Vigna Taglianti (2004) and the most recent edition of the Italian checklist (Vigna Taglianti 2005). Species are listed in a systematic order by subfamily, tribe, subtribe, genus and subgenus. Within genera or subgenera, species are listed in alphabetical order, and numbered consecutively, except for those of doubtful occurrence in Sardinia, which are preceded by a question mark and left unnumbered. In the case of polytypical species, also the subspecies present in the area are listed in alphabetical order.

All the species and subspecies are listed with their accepted names, correct spelling, author and year of description. Only synonyms listed in the Italian checklist (Vigna Taglianti 1993) are reported.

Geographic distribution codes referring to the Italian distribution of taxa are identical to those used by Minelli *et al.* (1993–1995) in the Italian checklist: N = northern Italy (Aosta Valley, Piedmont, Lombardy, Venetia, Friuli-Venezia Giulia, Liguria, Emilia-Romagna; S = all the remaining administrative regions of the Italian mainland; Si = Sicily and surrounding islets. The letter E (in bold type) indicates species endemic of Sardinia. Each species is also assigned a letter code corresponding to a main chorotype for the Western Palaearctic region; a further letter code is sometimes given in parenthesis, which corresponds to the recurrent patterns of taxa endemic or subendemic to geographic Italy. Codes are explained in Tabs 1–2 below (see also Vigna Taglianti *et al.* 1993, 1999).

TABLE 1. Main chorotypes of the Western Palaearctic region and their codes, with special reference to Sardinia.

| Letter code | Chorotype name |
|-------------|--------------------------------------|
| OLA | Holarctic |
| PAL | Palaearctic |
| WPA | W-Palaearctic |
| ASE | Asiatic-European |
| SIE | Sibero-European |
| CEM | Centralasiatic-Europeo-Mediterranean |
| CAE | Centralasiatic-European |
| TEM | Turano-Europeo-Mediterranean |
| TUE | Turano-Mediterranean |
| EUM | Europeo-Mediterranean |
| EUR | European |
| SEU | S-European |
| MED | Mediterranean |
| WME | W-Mediterranean |
| EME | E-Mediterranean |
| NAF | N-African |
| AIM | Afrotropico-Indo-Mediterranean |
| AFM | Afrotropico-Mediterranean |
| AFP | Afrotropico-Palaearctic |
| EAF | E-African |
| COS | Cosmopolitan |
| SCO | Subcosmopolitan |

TABLE 2. Recurrent patterns of species endemic or subendemic to geographic Italy, with special reference to Sardinia.

| Letter code | Chorotype name |
|-------------|------------------------|
| APPE | Apenninic endemic |
| TYRR | Tyrrhenian endemic |
| SACO | Sardo-Corsican endemic |
| SARD | Sardinian endemic |

Checklist of Sardinian Carabidae

Paussinae, Paussini, Paussina

Genus *Paussus* Linnaeus, 1775

?*favieri* Fairmaire, 1851 Si WME

Brachininae, Brachinini, Brachinina

Genus *Brachinus* Weber, 1801

Subgenus *Brachinus* Weber, 1801

- | | | | | |
|--|---|---|----|-----|
| 1. <i>crepitans</i> (Linnaeus, 1758) | N | S | Si | PAL |
| 2. <i>elegans</i> Chaudoir, 1842 (= <i>ganglbaueri</i> Apfelbeck, 1904) | N | S | Si | MED |
| 3. <i>plagiatus</i> Reiche, 1868 | N | S | Si | MED |
| 4. <i>psophia</i> Audinet-Serville, 1821 | N | S | Si | TUE |

Subgenus *Brachynolomus* Reitter, 1919

- | | | | | |
|---------------------------------------|---|---|----|-----|
| 5. <i>immaculicornis</i> Dejean, 1826 | | | | MED |
| <i>i.immaculicornis</i> Dejean, 1826 | N | S | Si | |

Subgenus *Brachynidius* Reitter, 1919

- | | | | | |
|--------------------------------------|---|---|----|-----|
| 6. <i>explodens</i> Duftschmid, 1812 | N | S | Si | ASE |
| 7. <i>sclopeta</i> (Fabricius, 1792) | N | S | Si | EUM |

Subgenus *Cnecostolus* Reitter, 1919

- | | | | | |
|-------------------------------------|--|---|----|-----|
| 8. <i>exhalans</i> (P. Rossi, 1792) | | S | Si | TUM |
|-------------------------------------|--|---|----|-----|

Subgenus *Dysbrachinus* Schuler, 1974

- | | | | | |
|----------------------------------|--|---|----|-----|
| 9. <i>humeralis</i> Ahrens, 1812 | | S | Si | WME |
|----------------------------------|--|---|----|-----|

Omophroninae, Omophronini

Genus *Phrator* Semenov, 1922

- | | | | | |
|--|--|--|--|-----|
| 10. <i>variegatus</i> (Olivier, 1811) <i>v. sardous</i> (Reitter, 1907) | | | | AFM |
|--|--|--|--|-----|

Cicindelinae, Cicindelini, Cicindelina

Genus *Cicindela* Linnaeus, 1758

Subgenus *Cicindela* Linnaeus, 1758

11. *campestris* Linnaeus, 1758 PAL
c. nigrita Dejean, 1825
(= *corsicana* Roeschke, 1891)
c. saphyrina Gené, 1836

Genus *Calomera* Motschulsky, 1862

(= *Lophyridia* auct.)

12. *littoralis* (Fabricius, 1787) CEM
l. fiorii (Grandi, 1906)

Genus *Lophyra* Motschulsky, 1859

Subgenus *Lophyra* Motschulsky, 1859

13. *flexuosa* (Fabricius, 1787) MED
f. sardea (Dejean, 1831)

Genus *Cephalota* Dokhtoureff, 1883

Subgenus *Taenidia* Rivalier, 1850

14. *circumdata* (Dejean in Latreille & Dejean, 1822) MED
c. imperialis (Klug, 1834) Si
15. *litorea* (Forskål, 1775) MED
l. goudoti (Dejean & Boisduval, 1829) Si

Subgenus *Eugrapha* Rivalier, 1950

16. *trisinata* (Dejean in Latreille & Dejean, 1822) MED
t. trisinata (Dejean in Latreille & Dejean, 1822) N S

Genus *Myriochila* Motschulsky, 1858

Subgenus *Myriochila* Motschulsky, 1858

17. *melancholica* (Fabricius, 1798) AIM
m. melancholica (Fabricius, 1798) S Si

Carabinae, Carabini, Calosomatina

Genus *Calosoma* Weber, 1801

Subgenus *Calosoma* Weber, 1801

18. *inquisitor* (Linnaeus, 1758) SIE
i. inquisitor (Linnaeus, 1758) N S Si
19. *sycophanta* (Linnaeus, 1758) N S Si PAL(OLA)

Subgenus *Campalita* Motschulsky, 1866

20. *maderae* (Fabricius, 1775) MED
m. maderae (Fabricius, 1775) N S Si

Carabinae, Carabini, Carabina

Genus *Carabus* Linnaeus, 1758

Subgenus *Archicarabus* Seidlitz, 1887

? *rossii* Dejean, 1826 N S Si SEU(APPE)

Subgenus *Eurycarabus* Géhin, 1876

21. *genei* Gené, 1839 WME(SACO)

Subgenus *Macrothorax* Desmarest, 1850

22. *morbillosus* Fabricius, 1792 WME

m. constantinus Kraatz, 1899 S Si

Subgenus *Procrustes* Bonelli, 1810

23. *coriaceus* Linnaeus, 1758 EUR

c. coriaceus Linnaeus, 1758 N S Si

Nebriinae, Nebriini

Genus *Leistus* Frölich, 1799

Subgenus *Leistus* Frölich, 1799

24. *fulvibarbis* Dejean, 1826 EUM

f. danieli Reitter, 1905

Subgenus *Sardoleistus* Perrault, 1980

25. *sardous* Baudi di Selve, 1883 N S Si WME

Subgenus *Pogonophorus* Latreille, 1802

26. *spinibarbis* (Fabricius, 1775) EUR

s. spinibarbis (Fabricius, 1775) N S

Genus *Nebria* Latreille, 1802

Subgenus *Nebria* Latreille, 1802

27. *brevicollis* (Fabricius, 1792) N S Si TUE

28. *genei* Gené, 1839 E WME(SARD)

Genus *Eurynebria* Ganglbauer, 1891

29. *complanata* (Linnaeus, 1767) N S Si WME

Nebriinae, Notiophilini

Genus *Notiophilus* Duméril, 1806

30. *aestuans* Dejean, 1826 N S Si EUR

? *aquaticus* (Linnaeus, 1758) N S Si OLA

31. *biguttatus* (Fabricius, 1779) N S Si OLA

32. *geminatus* Dejean & Boisduval, 1830 N S Si MED

33. *marginatus* Gené, 1839 WME

34. *quadripunctatus* Dejean, 1826 N S Si WME

35. *rufipes* Curtis, 1829 N S Si EUR

36. *substriatus* G.R. Waterhouse, 1833 N S Si EUR

Siagoninae, Siagonini

Genus *Siagona* Latreille, 1804

37. *europaea* Dejean, 1826 S Si AIM

Scaritinae, Scaritini, Scaritina

Genus *Distichus* Motschulsky, 1858

Subgenus *Distichus* Motschulsky, 1858

38. *planus* (Bonelli, 1813) S Si AIM

Genus *Scarites* Fabricius, 1775

Subgenus *Scarites* Fabricius, 1775

39. *eurytus* Fischer von Waldheim, 1828 TUM

Subgenus *Scallophorites* Motschulsky, 1858

40. *buparius* (Förster, 1771) N S Si MED

? *impressus* Fabricius, 1801 WME
(= *hespericus* Dejean, 1831)

Genus *Parallelomorphus* Motschulsky, 1849

41. *laevigatus* (Fabricius, 1792) N S Si MED

42. *terricola* (Bonelli, 1813) PAL+EAF

t. terricola (Bonelli, 1813) N S Si

Scaritinae, Clivinini, Clivinina

Genus *Clivina* Latreille, 1802

Subgenus *Clivina* Latreille, 1802

? *fossor* (Linnaeus, 1758) ASE(OLA)

f. fossor (Linnaeus, 1758) N S Si

43. *scripta* Putzeys, 1846 Si WME

Scaritinae, Clivinini, Reicheiina

Genus *Dimorphoreicheia* Magrini, Fancello & Leo, 2003

44. *relicta* Magrini, 2004 E MED(SARD)

45. *vannii* Magrini, Fancello & Leo, 2003 E MED(SARD)

Genus *Typhloreicheia* Holdhaus, 1924*

(= *Sardoreicheia* Jeannel, 1957)

46. *abbazzii* Magrini & Fancello, 2007 E WME(SARD)

47. *angelae* Magrini, 2003 E WME(SARD)

48. *arganoi* Vigna Taglianti, 2001** E WME(SARD)

49. *cirocchii* Magrini, 2003 E WME(SARD)

| | | |
|--|---|-----------|
| 50. <i>consortii</i> Magrini, 2003 | E | WME(SARD) |
| 51. <i>degiovannii</i> Magrini, 2003 | E | WME(SARD) |
| 52. <i>denticulata</i> (Holdhaus, 1924) (= <i>dis</i> Holdhaus, 1924) | E | WME(SARD) |
| 53. <i>doderoi</i> (Holdhaus, 1924) | E | WME(SARD) |
| 54. <i>elegans</i> (Dodero, 1916) | E | WME(SARD) |
| 55. <i>eleonorae</i> Leo, Magrini & Fancello, 2005 | E | WME(SARD) |
| 56. <i>exilis</i> Leo, Magrini & Fancello, 2005 | E | WME(SARD) |
| 57. <i>fancelloi</i> Magrini, 2000 | E | WME(SARD) |
| 58. <i>fausti</i> Fancello, 1988 | E | WME(SARD) |
| 59. <i>henroti</i> Jeannel, 1957 | E | WME(SARD) |
| 60. <i>holdhausi</i> Magrini, Fancello & Casale, 2006 | E | WME(SARD) |
| 61. <i>jana</i> Leo, Magrini & Fancello, 2005 | E | WME(SARD) |
| 62. <i>jucunda</i> (Holdhaus, 1924) | E | WME(SARD) |
| 63. <i>kraussei</i> (Reitter, 1914) | E | WME(SARD) |
| 64. <i>laurentii</i> Magrini, 2004 | E | WME(SARD) |
| 65. <i>leoi</i> Magrini, 2003 <i>l. leoi</i> Magrini, 2003 <i>l. pilosa</i> Magrini & Fancello, 2007 | E | WME(SARD) |
| 66. <i>manto</i> (Holdhaus, 1924) | E | WME(SARD) |
| 67. <i>medusa</i> Magrini & Fancello, 2005 | E | WME(SARD) |
| 68. <i>melonii</i> Magrini, 2001 | E | WME(SARD) |
| 69. <i>minima</i> (Binaghi, 1936) | E | WME(SARD) |
| 70. <i>monticola</i> (Holdhaus, 1924) | E | WME(SARD) |
| 71. <i>nadiae</i> Magrini, 2003 | E | WME(SARD) |
| 72. <i>occulta</i> (Holdhaus, 1924) | E | WME(SARD) |
| 73. <i>onnisi</i> Casale & Magrini, 2004 | E | WME(SARD) |
| 74. <i>pandora</i> (Holdhaus, 1924) (= <i>boffai</i> Casale & Giachino, 1987) | E | WME(SARD) |
| 75. <i>parallela</i> (Holdhaus, 1924) | E | WME(SARD) |
| 76. <i>pellita</i> Leo, Magrini & Fancello, 2005 | E | WME(SARD) |
| 77. <i>petriolii</i> Magrini & Fancello, 2007 | E | WME(SARD) |
| 78. <i>raymondi</i> (Putzeys, 1869) (= <i>poggii</i> Leo, Magrini & Fancello, 2005) | E | WME(SARD) |
| 79. <i>regina</i> Leo, Magrini & Fancello, 2005 | E | WME(SARD) |
| 80. <i>rocchii</i> Magrini & Degiovanni, 2006 | E | WME(SARD) |
| 81. <i>sardoa</i> (Baudi di Selve, 1891) | E | WME(SARD) |
| 82. <i>sebera</i> Magrini & Fancello, 2009 | E | WME(SARD) |
| 83. <i>supramontis</i> Leo, Magrini & Fancello, 2005 | E | WME(SARD) |
| 84. <i>tanit</i> Leo, Magrini & Fancello, 2005 | E | WME(SARD) |
| 85. <i>tegulae</i> Leo, Magrini & Fancello, 2005 | E | WME(SARD) |
| 86. <i>valeriae</i> Fancello, 1988 | E | WME(SARD) |
| 87. <i>vignai</i> Magrini, 2003 | E | WME(SARD) |
| 88. <i>viti</i> Magrini & Bulirsch, 2002 | E | WME(SARD) |

Scaritinae, Dyschiriini

Genus *Dyschirius* Bonelli, 1810

89. *numidicus* Putzeys, 1846 N S Si WME
(= *rugicollis* Fairmaire & Laboulbène, 1854)

Genus *Dyschiriodes* Jeannel, 1941

Subgenus *Dyschiriodes* Jeannel, 1941

90. *aeneus* (Dejean, 1825) SIE
a. aeneus (Dejean, 1825) N S Si
91. *apicalis* (Putzeys, 1846) N S Si MED
92. *auriculatus* (Wollaston, 1867) AFM
a. auriculatus (Wollaston, 1867) N S Si
(= *tensicollis* Marseul, 1880)
? *chalceus* (Erichson, 1837) N CAE
93. *chalybaeus* (Putzeys, 1846) MED
c. chalybaeus (Putzeys, 1846) N S Si
(= *hispanus* Putzeys, 1866)
94. *cylindricus* (Dejean, 1825) TUE
c. hauseri (Fleischer, 1898) S Si
95. *fleischeri* (Sainte-Claire Deville, 1904) S WME
96. *intermedius* (Putzeys, 1846) N S EUR
(= *similis* Petri, 1891)
97. *longipennis* (Putzeys, 1866) N S Si WME
98. *luticola* (Chaudoir, 1850) TUM
l. luticola (Chaudoir, 1850) S Si
99. *macroderus* (Chaudoir, 1850) MED
m. wagneri (G. Müller, 1922)
100. *minutus* (Dejean, 1825) N S Si MED
101. *punctatus* (Dejean, 1825) N S WME
102. *salinus* (Schaum, 1843) TUE
s. striatopunctatus (Putzeys, 1846) N S Si
Subgenus *Paradyschirius* Fedorenko, 1996
? *parallelus* (Motschulsky, 1844) EUR
p. ruficornis (Putzeys, 1846) N S Si

Apotominae, Apotomini

Genus *Apotomus* Illiger, 1807

103. *rufithorax* Pecchioli, 1837 S Si TUM
104. *rufus* (P. Rossi, 1790) N S Si WME

Trechinae, Trechini, Perileptina**Genus** *Perileptus* Schaum, 1860**Subgenus** *Perileptus* Schaum, 1860

105. *areolatus* (Creutzer, 1799) EUM
a. areolatus (Creutzer, 1799) N S Si

Trechinae, Trechini, Trechina**Genus** *Trechus* Clairville, 1806**Subgenus** *Trechus* Clairville, 1806

106. *quadristriatus* (Schrank, 1781) N S Si TEM
107. *rufulus* Dejean, 1831 Si WME
108. *tyrrhenicus* Jeannel, 1927 S WME(SACO)

Genus *Sardaphaenops* Cerruti & Henrot, 1956

109. *adelphus* Casale, 2004 E WME(SARD)
110. *supramontanus* Cerruti & Henrot, 1956 E WME(SARD)
s. grafittii Casale & Giachino, 1988
s. supramontanus Cerruti & Henrot, 1956

Genus *Duvalius* Delarouzée, 1859**Subgenus** *Duvalius* Delarouzée, 1859

111. *sardous* (Doderò, 1917) E MED(SARD)

Trechinae, Bembidiini, Anillina**Genus** *Anillus* Jacquelin du Val, 1851

112. *frater* Aubé, 1863 WME(TYRR)
f. sardonius Jeannel, 1937

Genus *Rhegmatobius* Jeannel, 1937

113. *agostinii* Jeannel, 1937 E WME(SARD)
114. *gigas* (Krausse, 1911) E WME(SARD)
115. *strictus* (Baudi di Selve, 1891) E WME(SARD)

Genus *Hypotyphlus* Jeannel, 1937

116. *sardous* (Jeannel, 1937) E WME(SARD)

Genus *Microtyphlus* Linder, 1863

117. *saxatilis* Magrini, Leo & Fancello, 2004 E WME(SARD)

Trechinae, Bembidiini, Lymnastina

Genus *Lymnastis* Motschulsky, 1862

118. *galilaeus* Piochard de la Brûlerie, 1876 N S Si MED

Trechinae, Bembidiini, Tachyina

Genus *Tachys* Dejean, 1821

? *dimidiatus* Motschulsky, 1849 Si NAF

119. *scutellaris* Stephens, 1828 N S Si TUE

Genus *Paratachys* Casey, 1918

120. *bistriatus* (Duftschmid, 1812) N S Si WPA

121. *elongatulus* (Dejean, 1831) WME

122. *fulvicollis* (Dejean, 1831) N S Si TUE

123. *micros* (Fischer von Waldheim, 1828) N S Si EUM

Genus *Polyderis* Motschulsky, 1862

124. *algiricus* (Lucas, 1846) N S Si WME

? *brevicornis* (Chaudoir, 1846) N S Si SCO

Genus *Porotachys* Netolitzky, 1914

125. *bisulcatus* (Nicolai, 1822) N S Si WPA

Genus *Tachyura* Motschulsky, 1862

Subgenus *Tachyura* Motschulsky, 1862

126. *curvimana* (Wollaston, 1854) WME

127. *diabrachys* (Kolenati, 1845) N S Si TEM

128. *ferroa* Kopecký, 2003 WME

(= *pallidicornis* Jeanne, 1990)

? *parvula* (Dejean, 1831) N S OLA

129. *quadrisignata* (Duftschmid, 1812) N S Si EUM

Genus *Sphaerotachys* G. Müller, 1926

130. *hoemorrhoidalis* (Ponza, 1805) N S Si AFM

131. *lucasia* (Jacquelin du Val, 1852) MED

Trechinae, Bembidiini, Bembidiina

Genus *Ocys* Stephens, 1828

132. *harpaloides* (Audinet-Serville, 1821) N S Si EUM

Genus *Asaphidion* Gozis, 1886

| | | | | |
|---|---|---|----|-----------|
| 133. <i>curtum</i> (Heyden, 1870) | | | | WME |
| <i>c. curtum</i> (Heyden, 1870) | | S | Si | |
| 134. <i>festivum</i> (Jacquelin du Val, 1851) | | S | | WME(TYRR) |
| ? <i>flavipes</i> (Linnaeus, 1761) | N | S | | SIE |
| 135. <i>rossii</i> (Schaum, 1857) | N | S | Si | MED |
| 136. <i>stierlini</i> (Heyden, 1880) | N | S | Si | MED |

Genus *Metallina* Motschulsky, 1850**Subgenus *Neja* Motschulsky, 1864**

| | | | | |
|------------------------------------|--|---|----|-----|
| 137. <i>ambigua</i> (Dejean, 1831) | | S | Si | WME |
|------------------------------------|--|---|----|-----|

Subgenus *Metallina* Motschulsky, 1850

| | | | | |
|---------------------------------|---|---|----|----------|
| ? <i>lampros</i> (Herbst, 1784) | N | S | Si | PAL(OLA) |
|---------------------------------|---|---|----|----------|

Genus *Phyla* Motschulsky, 1844

| | | | | |
|---|---|---|----|-----|
| 138. <i>rectangula</i> (Jacquelin du Val, 1852) | | S | Si | WME |
| 139. <i>tethys</i> (Netolitzky, 1926) | N | S | Si | MED |

Genus *Princidium* Motschulsky, 1864**Subgenus *Princidium* Motschulsky, 1864**

| | | | | |
|---|---|---|----|-----|
| 140. <i>punctulatum</i> (Drapiez, 1821) | | | | CEM |
| <i>p. punctulatum</i> (Drapiez, 1821) | N | S | Si | |

Subgenus *Testedium* Motschulsky, 1864

| | | | | |
|---|--|--|--|-----|
| 141. <i>quadrifossulatum</i> (Dejean, 1831) | | | | EME |
| <i>q. quadrifossulatum</i> (Dejean, 1831) | | | | |

Subgenus *Actedium* Motschulsky, 1864

| | | | | |
|-------------------------------------|--|--|--|-----|
| 142. <i>kuesteri</i> (Schaum, 1845) | | | | WME |
|-------------------------------------|--|--|--|-----|

Genus *Notaphus* Dejean, 1821**Subgenus *Notaphus* Dejean, 1821**

| | | | | |
|------------------------------------|---|---|----|-----|
| 143. <i>varius</i> (Olivier, 1795) | N | S | Si | PAL |
|------------------------------------|---|---|----|-----|

Subgenus *Notaphemphanes* Netolitzky, 1920

| | | | | |
|---------------------------------------|--|---|----|-----|
| 144. <i>ephippium</i> (Marsham, 1802) | | S | Si | MED |
|---------------------------------------|--|---|----|-----|

Genus *Emphanes* Motschulsky, 1850**Subgenus *Emphanes* Motschulsky, 1850**

| | | | | |
|--|---|---|----|-----|
| 145. <i>axillaris</i> Motschulsky, 1844 | | | | MED |
| <i>a. occiduus</i> (Maggi & Huber, 2001) | N | S | Si | |
| (= <i>rivularis</i> Dejean, 1831) | | | | |
| 146. <i>minimus</i> (Fabricius, 1792) | | | Si | SIE |
| 147. <i>normannus</i> (Dejean, 1831) | | | | MED |
| <i>n. mediterraneus</i> (Csiki, 1928) | | S | Si | |
| 148. <i>tenellus</i> (Erichson, 1837) | | | | SEU |
| <i>t. tenellus</i> (Erichson, 1837) | N | S | Si | |

Genus *Trepanes* Motschulsky, 1864

Subgenus *Trepanes* Motschulsky, 1864

149. *maculatus* (Dejean, 1831) MED

m. maculatus (Dejean, 1831) N S

150. *octomaculatus* (Goeze, 1777) N S Si PAL

Subgenus *Diplocampa* Bedel, 1896

151. *assimilis* (Gyllenhal, 1810) N S Si WPA

Genus *Philochthus* Stephens, 1828

152. *iricolor* (Bedel, 1879) N S Si MED

153. *lunulatus* (Geffroy in Fourcroy, 1785) N S Si EUM

154. *netolitzkyi* (Krausse, 1910) E Si? WME(SARD)

155. *vicinus* (Lucas, 1846) S Si MED

Genus *Bembidion* Latreille, 1802

156. *quadripustulatum* Audinet-Serville, 1821 CEM

q. quadripustulatum Audinet-Serville, 1821 N S Si

Genus *Ocydromus* Clairville, 1806

Subgenus *Bembidionetolitzkya* E. Strand, 1929

157. *cassolai* Bonavita & Vigna Taglianti, 1993 E WME(SARD)

158. *eleonora* Bonavita & Vigna Taglianti, 1993 WME(SACO)

Subgenus *Omoperypus* Netolitzky, 1931

159. *hypocrita* (Dejean, 1831) MED

h. hypocrita (Dejean, 1831) N S Si

Subgenus *Peryphanes* Jeannel, 1941

160. *gautieri* (Netolitzky, 1921) WME(SACO)

161. *lafertei* (Jacquelin du Val, 1851) WME(SACO)

162. *latinus* (Netolitzky, 1911) N S Si SEU

Subgenus *Testediolum* Ganglbauer, 1891

163. *corsicus* (Csiki, 1928) SEU(SACO)

Subgenus *Nepha* Motschulsky, 1864

164. *callosus* (Küster, 1847) MED

c. callosus (Küster, 1847) N S Si

165. *genei* (Küster, 1847) EUM

g. genei (Küster, 1847)

Subgenus *Ocydromus* Clairville, 1806

166. *decorus* (Panzer, 1799) CAE

d. caraffai (Sainte-Claire Deville, 1906)

Subgenus *Peryphus* Dejean, 1821

167. *hummleri* (G. Müller, 1918) WME

h. tyrrhenicus (Jeannel, 1941)

Genus *Lymnaeum* Stephens, 1828

168. *nigropiceum* (Marsham, 1802) N S MED

Genus *Sinechostictus* Motschulsky, 1864

Subgenus *Sinechostictus* Motschulsky, 1864

| | | | | |
|--|---|---|----|-----|
| 169. <i>cribrum</i> (Jacquelin du Val, 1851) | | | | WME |
| <i>c. cribrum</i> (Jacquelin du Val, 1851) | N | | | |
| 170. <i>dahlia</i> (Dejean, 1831) | | S | Si | WME |
| 171. <i>elongatus</i> (Dejean, 1831) | N | S | | SEU |

Trechinae, Pogonini

Genus *Pogonus* Dejean, 1821

Subgenus *Pogonus* Dejean, 1821

| | | | | |
|---|----|---|-----|-----------|
| 172. <i>chalceus</i> (Marsham, 1802) | | | | MED |
| <i>c. chalceus</i> (Marsham, 1802) | | S | Si | |
| 173. <i>gilvipes</i> Dejean, 1828 | N? | S | Si | MED |
| 174. <i>littoralis</i> (Duftschmid, 1812) | N | S | Si | MED |
| 175. <i>luridipennis</i> (Germar, 1822) | N | S | | WPA |
| 176. <i>pallidipennis</i> Dejean, 1828 | | | | WME(TYRR) |
| 177. <i>riparius</i> Dejean, 1828 | N | S | | SEU |
| Subgenus <i>Pogonoidius</i> Carret, 1903 | | | | |
| ? <i>meridionalis</i> Dejean, 1828 | | S | Si? | WME |

Genus *Pogonistes* Chaudoir, 1871

| | | | | |
|-------------------------------------|---|---|----|-----|
| 178. <i>gracilis</i> (Dejean, 1828) | N | S | Si | WME |
|-------------------------------------|---|---|----|-----|

Genus *Sirdenus* Dejean, 1828

Subgenus *Sirdenus* Dejean, 1828

| | | | | |
|---------------------------------------|--|--|----|-----|
| 179. <i>filiformis</i> (Dejean, 1828) | | | Si | WME |
|---------------------------------------|--|--|----|-----|

Psydrinae, Psydrini, Psydrina

Genus *Nomius* Laporte de Castelnau, 1835

| | | | | |
|-------------------------------------|--|---|--|-----|
| 180. <i>pygmaeus</i> (Dejean, 1831) | | S | | OLA |
|-------------------------------------|--|---|--|-----|

Pterostichinae, Abacetini

Genus *Abacetus* Dejean, 1828

Subgenus *Astigis* Rambur, 1838

| | | | | |
|--------------------------------------|---|--|----|-----|
| 181. <i>salzmanni</i> (Germar, 1824) | N | | Si | WME |
|--------------------------------------|---|--|----|-----|

Pterostichinae, Pterostichini, Poecilina**Genus** *Poecilus* Bonelli, 1810**Subgenus** *Poecilus* Bonelli, 1810182. *cupreus* (Linnaeus, 1758) ASE*c. cupreus* (Linnaeus, 1758) N S Si**Subgenus** *Ancholeus* Dejean, 1828183. *gisellae* (Csiki, 1930) MED*g. gisellae* (Csiki, 1930) S Si(= *crenatus* Dejean, 1828)184. *nitidus* (Dejean, 1828) S Si WME**Genus** *Orthomus* Chaudoir, 1838185. *berytensis* (Reiche & Saulcy, 1855) Si MED186. *poggii* Leo & Magrini, 2002*** E WME(SARD)**Pterostichinae, Pterostichini, Pterostichina****Genus** *Pterostichus* Bonelli, 1810**Subgenus** *Argutor* Dejean, 1821187. *cursor* (Dejean, 1828) N S Si SEU**Subgenus** *Melanius* Bonelli, 1810(= *Omaseus* Dejean, 1821)188. *elongatus* (Duftschmid, 1812) N S Si EUM**Subgenus** *Platysma* Bonelli, 1810189. *niger* (Schaller, 1783) ASE*n. niger* (Schaller, 1783) N S**Subgenus** *Pseudomaseus* Chaudoir, 1838(= *Melanius* auct.)190. *gracilis* (Dejean, 1828) N S ASE191. *nigrita* (Paykull, 1790) N S Si PAL**Pterostichinae, Pterostichini, Molopina****Genus** *Speomolops* Patrizi, 1955192. *sardous* Patrizi, 1955 E WME(SARD)**Genus** *Percus* Bonelli, 1810**Subgenus** *Percus* Bonelli, 1810193. *cylindricus* Chaudoir, 1868 E WME(SARD)194. *grandicollis* (Audinet-Serville, 1821) WME(SACO)195. *strictus* (Dejean, 1828) WME(SARD)*s. ellipticus* (Porta, 1901)

- s. folchini* Capra, 1928
s. oberleitneri (Dejean, 1831)
s. strictus (Dejean, 1828)

Pterostichinae, Zabrimi

Genus *Amara* Bonelli, 1810

Subgenus *Zezea* Csiki, 1929

196. *concinna* Zimmermann, 1832 N S EUR
 197. *floralis* Gaubil, 1844 N S EUR
 198. *fulvipes* (Audinet-Serville, 1821) N S EUR
 ? *plebeja* (Gyllenhal, 1810) N S SIE
 199. *rufipes* Dejean, 1828 S Si WME

Subgenus *Amara* Bonelli, 1810

200. *aenea* (De Geer, 1774) N S Si PAL(OLA)
 ? *anthobia* A. Villa & G.B. Villa, 1833 N S Si EUR
 201. *eurynota* (Panzer, 1796) N S Si SIE
 202. *lucida* (Duftschmid, 1812) N S Si TUE
 203. *nitida* Sturm, 1825 N S ASE
 204. *ovata* (Fabricius, 1792) N S Si ASE
 205. *similata* (Gyllenhal, 1810) N S Si ASE
 206. *subconvexa* Putzeys, 1865 WME

Subgenus *Celia* Zimmermann, 1832

207. *fervida* Coquerel, 1859 WME
 f. fervida Coquerel, 1859 Si
 208. *montana* Dejean, 1828 N S Si MED

Subgenus *Xenocelia* Hieke, 2001

209. *ingenua* (Duftschmid, 1812) N ASE

Subgenus *Camptocelia* Jeannel, 1942

- ? *brevis* Dejean, 1828 WME

Subgenus *Xanthamara* Bedel, 1899

210. *chlorotica* Fairmaire, 1867 NAF

Subgenus *Paracelia* Bedel, 1899

- ? *dalmatina* Dejean 1828 N? S? Si? EME
 ? *rufaenea* Dejean, 1828 WME
 211. *simplex* Dejean, 1828 S Si MED

Subgenus *Acorius* Zimmermann, 1831

212. *metallescens* (Zimmermann, 1831) S Si MED

Genus *Zabrus* Clairville, 1806

Subgenus *Zabrus* Clairville, 1806

213. *ignavus* Csiki, 1907 WME
 i. ignavus Csiki, 1907 N S Si

Panagaeinae, Panagaeini, Panagaeina

Genus *Panagaeus* Latreille, 1802

Subgenus *Panagaeus* Latreille, 1802

214. *cruxmajor* (Linnaeus, 1758) N S Si SIE

Chlaeniinae, Chlaeniini, Chlaeniina

Genus *Dinodes* Bonelli, 1810

Subgenus *Dinodes* Bonelli, 1810

215. *decipiens* (L. Dufour, 1820) N S Si EUM

Genus *Chlaeniellus* Reitter, 1908

216. *olivieri* (Crotch, 1871) N S Si SEU

217. *tristis* (Schaller, 1783) PAL

t. tristis (Schaller, 1783) N S Si

218. *vestitus* (Paykull, 1790) N S Si EUM

Genus *Epomis* Bonelli, 1810

219. *circumscriptus* (Duftschmid, 1812) N S Si AFM

Genus *Chlaenius* Bonelli, 1810

Subgenus *Chlaenites* Motschulsky, 1860

220. *spoliatus* (P. Rossi, 1792) PAL

s. spoliatus (P. Rossi, 1792) N S Si

Subgenus *Chlaenius* Bonelli, 1810

221. *velutinus* (Duftschmid, 1812) EUM

v. auricollis Gené, 1839 S Si

Subgenus *Trichochlaenius* Seidlitz, 1887

222. *chrysocephalus* (P. Rossi, 1790) N S Si WME

Oodinae, Oodini, Oodina

Genus *Oodes* Bonelli, 1810

223. *gracilis* A. Villa & G.B. Villa, 1833 N S Si TUE

Licininae, Licinini

Genus *Licinus* Latreille, 1802

Subgenus *Licinus* Latreille, 1802

224. *punctatulus* (Fabricius, 1792) S Si MED

Genus *Badister* Clairville, 1806**Subgenus *Badister* Clairville, 1806**

| | | | | |
|--|---|---|-----|-----------|
| ? <i>bullatus</i> (Schrank, 1798) | N | S | Si | OLA |
| 225. <i>meridionalis</i> Puel, 1925 | N | S | | SEU |
| Subgenus <i>Baudia</i> Ragusa, 1884 | | | | |
| 226. <i>bucciarellii</i> (Monguzzi, 1976) | E | | | SEU(SARD) |
| 227. <i>collaris</i> Motschulsky, 1844 (= <i>anomalus</i> Perris, 1866) | N | S | | EUM |
| 228. <i>dilatatus</i> Chaudoir, 1837 | N | S | | SIE |
| ? <i>peltatus</i> (Panzer, 1797) | N | S | Si? | SIE |

Harpalinae, Anisodactylini**Genus *Scybalicus* Schaum, 1862**

| | | | | |
|---|---|---|----|-----|
| 229. <i>oblongiusculus</i> (Dejean, 1829) | N | S | Si | MED |
|---|---|---|----|-----|

Genus *Anisodactylus* Dejean, 1829**Subgenus *Anisodactylus* Dejean, 1829**

| | | | | |
|---|---|---|----|-----|
| 230. <i>binotatus</i> (Fabricius, 1787) | N | S | Si | ASE |
|---|---|---|----|-----|

Subgenus *Pseudhexatrichus* Noonan, 1973

| | | | | |
|-------------------------------------|--|--|--|-----|
| 231. <i>heros</i> (Fabricius, 1801) | | | | WME |
|-------------------------------------|--|--|--|-----|

Subgenus *Hexatrichus* Tschitschérine, 1898

| | | | | |
|---------------------------------|---|---|--|-----|
| 232. <i>virens</i> Dejean, 1829 | | | | WME |
| <i>v. virens</i> Dejean, 1829 | N | S | | |

Genus *Diachromus* Erichson, 1837

| | | | | |
|---------------------------------------|---|---|----|-----|
| 233. <i>germanus</i> (Linnaeus, 1758) | N | S | Si | TEM |
|---------------------------------------|---|---|----|-----|

Harpalinae, Stenolophini**Genus *Stenolophus* Dejean, 1821****Subgenus *Stenolophus* Dejean, 1821**

| | | | | |
|---|---|---|----|-----|
| 234. <i>abdominalis</i> Géné, 1836 | | | Si | WME |
| ? <i>discophorus</i> (Fischer von Waldheim, 1823) | N | S | | SEU |
| 235. <i>mixtus</i> (Herbst, 1784) | N | S | Si | PAL |
| 236. <i>proximus</i> Dejean, 1829 | N | S | Si | MED |
| 237. <i>skrimshiranus</i> Stephens, 1828 | N | S | Si | EUM |
| 238. <i>teutonus</i> (Schrank, 1781) | N | S | Si | TEM |

Genus *Egadroma* Motschulsky, 1855

| | | | | |
|---------------------------------------|---|---|----|-----|
| 239. <i>marginatum</i> (Dejean, 1829) | N | S | Si | WPA |
|---------------------------------------|---|---|----|-----|

Genus *Loxonchus* Schmidt-Goebel, 1846

| | | | | |
|-------------------------------------|--|--|--|-----|
| 240. <i>procerus</i> (Schaum, 1858) | | | | EME |
|-------------------------------------|--|--|--|-----|

Genus *Bradycellus* Erichson, 1837**Subgenus *Bradycellus* Erichson, 1837**

| | | | | |
|---|---|---|----|-----|
| 241. <i>distinctus</i> (Dejean, 1829) | N | S | Si | MED |
| 242. <i>lusitanicus</i> (Dejean, 1829) | | S | Si | WME |
| 243. <i>verbasci</i> (Duftschmid, 1812) | N | S | Si | TUE |

Genus *Dicheirotichus* Jacquelin du Val, 1857**Subgenus *Dicheirotichus* Jacquelin du Val, 1857**

| | | | | |
|--------------------------------------|---|---|----|-----|
| 244. <i>obsoletus</i> (Dejean, 1829) | N | S | Si | MED |
| ? <i>pallidus</i> (Dejean, 1829) | | S | | WME |

Subgenus *Pelagophilus* Tschitschérine, 1901

| | | | | |
|---------------------------------|--|--|--|-----|
| 245. <i>punicus</i> Bedel, 1899 | | | | MED |
| <i>p. punicus</i> Bedel, 1899 | | | | |

Genus *Acupalpus* Latreille, 1829**Subgenus *Acupalpus* Latreille, 1829**

| | | | | |
|---|---|---|-----|-----------|
| 246. <i>brunnipes</i> (Sturm, 1825) | N | S | Si | EUM |
| 247. <i>dubius</i> Schilsky, 1888 | N | S | Si | EUM |
| 248. <i>elegans</i> (Dejean, 1829) | N | S | Si | TEM |
| 249. <i>exiguus</i> Dejean, 1829 | N | S | Si | SIE |
| 250. <i>luteatus</i> (Duftschmid, 1812) | N | S | Si | SIE |
| 251. <i>maculatus</i> (Schaum, 1860) | N | S | Si | EUM |
| ? <i>meridianus</i> (Linnaeus, 1761) | N | S | Si | EUR |
| 252. <i>notatus</i> Mulsant & Rey, 1861 | N | S | Si | MED |
| 253. <i>sardous</i> A. Fiori, 1903 | E | | | WME(SARD) |
| ? <i>suturalis</i> Dejean, 1829 | | | | EUR |
| <i>s. suturalis</i> Dejean, 1829 | N | S | Si? | |

Genus *Anthracus* Motschulsky, 1850

| | | | | |
|--|---|---|----|-----|
| 254. <i>consputus</i> (Duftschmid, 1812) | N | S | | ASE |
| 255. <i>flavipennis</i> (Lucas, 1846) | | | Si | WME |

Harpalinae, Harpalini, Harpalina**Genus *Ophonus* Dejean, 1821****Subgenus *Ophonus* Dejean, 1821**

| | | | | |
|---|---|---|----|-----|
| 256. <i>ardosiacus</i> (Lutshnik, 1922) | N | S | Si | EUM |
| 257. <i>diffinis</i> (Dejean, 1829) | N | S | Si | EUR |
| 258. <i>franziniorum</i> Sciaky, 1987 | | S | Si | EME |
| 259. <i>opacus</i> (Dejean, 1829) | | | | WME |

Subgenus *Hesperophonus* Antoine, 1959

| | | | | |
|---------------------------------------|---|---|----|-----|
| ? <i>azureus</i> (Fabricius, 1775) | N | S | Si | CEM |
| 260. <i>pumilio</i> (Dejean, 1829) | S | | Si | WME |
| 261. <i>rotundatus</i> (Dejean, 1829) | N | S | Si | WME |

| | | | | |
|--|---|---|-----|-----------|
| 262. <i>subquadratus</i> (Dejean, 1829) | N | S | Si | MED |
| Subgenus <i>Metophonus</i> Bedel, 1897 | | | | |
| 263. <i>brevicollis</i> (Audinet-Serville, 1821) | | | | SEU |
| 264. <i>puncticeps</i> Stephens, 1828N | S | | Si | TUE |
| 265. <i>puncticollis</i> (Paykull, 1798)N | S | | Si | SIE |
| 266. <i>rufibarbis</i> (Fabricius, 1792) | N | S | | TEM |
| 267. <i>rupicola</i> (Sturm, 1818) | N | S | Si? | EUR |
| 268. <i>subsINUATUS</i> Rey, 1886 | | S | | WME |
| Subgenus <i>Incisophonus</i> Sciaky, 1987 | | | | |
| 269. <i>incisus</i> (Dejean, 1829) | N | S | Si | MED |
| Genus <i>Cryptophonus</i> Brandmayr & Zetto Brandmayr, 1982 | | | | |
| 270. <i>fulvus</i> (Dejean, 1829) | | | Si | MED |
| ? <i>litigiosus</i> (Dejean, 1829) | | | | MED |
| <i>l. litigiosus</i> (Dejean, 1829) | | S | Si | |
| 271. <i>melancholicus</i> (Dejean, 1829) | | | | EUM |
| <i>m. reichei</i> (Jakobson, 1907) | N | S | Si | |
| 272. <i>tenebrosus</i> (Dejean, 1829) | N | S | Si | WPA |
| Genus <i>Pseudoophonus</i> Motschulsky, 1844 | | | | |
| Subgenus <i>Pseudoophonus</i> Motschulsky, 1844 | | | | |
| 273. <i>griseus</i> (Panzer, 1796) | N | S | Si | PAL |
| 274. <i>rufipes</i> (De Geer, 1774) | N | S | Si | PAL(OLA) |
| Genus <i>Harpalus</i> Latreille, 1802 | | | | |
| Subgenus <i>Harpalophonus</i> Ganglbauer, 1891 | | | | |
| ? <i>italus</i> Schaum, 1860 | N | S | Si | SEU(APPE) |
| Subgenus <i>Artabas</i> Gozis, 1882 | | | | |
| 275. <i>punctatostratus</i> Dejean, 1829 | N | S | Si | MED |
| Subgenus <i>Harpalus</i> Latreille, 1802 | | | | |
| ? <i>affinis</i> (Schrank, 1781) | N | S | | ASE(OLA) |
| 276. <i>anxius</i> (Duftschmid, 1812) | N | S | | PAL |
| ? <i>tratus</i> Latreille, 1804 | N | S | Si | EUR |
| 277. <i>attenuatus</i> Stephens, 1828 | N | S | Si | MED |
| 278. <i>bellieri</i> Reiche, 1861 | | S | | WME(SACO) |
| 279. <i>cupreus</i> Dejean, 1829 | | | | SEU |
| <i>c. cupreus</i> Dejean, 1829 | N | S | Si | |
| 280. <i>dimidiatus</i> (P. Rossi, 1790) | N | S | Si | EUR |
| 281. <i>distinguendus</i> (Duftschmid, 1812) | | | | PAL |
| <i>d. distinguendus</i> (Duftschmid, 1812) | N | S | Si | |
| 282. <i>honestus</i> (Duftschmid, 1812) | N | S | Si? | SIE |
| 283. <i>neglectus</i> Audinet-Serville, 1821 | | | | EUM |
| <i>n. neglectus</i> Audinet-Serville, 1821 | | S | | |
| 284. <i>oblitus</i> Dejean, 1829 | | | | TEM |
| <i>o. patruelis</i> Dejean, 1829 | | | | |

| | | | | |
|---|---|---|-----|-----|
| 285. <i>pygmaeus</i> Dejean, 1829 | N | S | Si? | SEU |
| 286. <i>rubripes</i> (Duftschmid, 1812) | N | S | Si | ASE |
| ? <i>serripes</i> (Quensel in Schönherr, 1806) | | | | PAL |
| <i>s. serripes</i> (Quensel in Schönherr, 1806) | N | S | Si | |
| 287. <i>siculus</i> Dejean, 1829 | | S | Si | WME |
| 288. <i>sulphuripes</i> Germar, 1824 | | | | EUM |
| <i>s. goudotii</i> Dejean, 1829 | | | | |
| 289. <i>tardus</i> (Panzer, 1797) | N | S | Si | ASE |

Genus *Pangus* Dejean, 1821

(= *Microderes* auct.)

| | | | | |
|--------------------------------------|---|---|--|-----|
| 290. <i>scaritides</i> (Sturm, 1818) | N | S | | TUE |
|--------------------------------------|---|---|--|-----|

Genus *Acinopus* Dejean, 1821

Subgenus *Acinopus* Dejean, 1821

| | | | | |
|-------------------------------------|---|---|----|-----|
| 291. <i>picipes</i> (Olivier, 1795) | N | S | Si | TUE |
|-------------------------------------|---|---|----|-----|

Subgenus *Oedematicus* Bedel, 1897

| | | | | |
|---|---|---|----|-----|
| 292. <i>megacephalus</i> (P. Rossi, 1794) | N | S | Si | TUE |
|---|---|---|----|-----|

Genus *Daptus* Fischer von Waldheim, 1823

| | | | | |
|---|---|---|----|-----|
| 293. <i>vittatus</i> Fischer von Waldheim, 1824 | N | S | Si | CEM |
|---|---|---|----|-----|

Genus *Parophonus* Ganglbauer, 1891

Subgenus *Ophonomimus* Schauburger, 1923

| | | | | |
|---------------------------------------|---|---|----|-----|
| 294. <i>hirsutulus</i> (Dejean, 1829) | N | S | Si | TUM |
|---------------------------------------|---|---|----|-----|

Subgenus *Parophonus* Ganglbauer, 1891

| | | | | |
|-------------------------------------|---|---|----|-----|
| 295. <i>hespericus</i> Jeanne, 1985 | N | S | Si | WME |
|-------------------------------------|---|---|----|-----|

| | | | | |
|-------------------------------------|---|---|----|-----|
| 296. <i>hispanus</i> (Rambur, 1838) | N | S | Si | WME |
|-------------------------------------|---|---|----|-----|

| | | | | |
|---|---|---|----|-----|
| 297. <i>maculicornis</i> (Duftschmid, 1812) | N | S | Si | SEU |
|---|---|---|----|-----|

| | | | | |
|-------------------------------------|---|---|----|-----|
| 298. <i>mendax</i> (P. Rossi, 1790) | N | S | Si | SEU |
|-------------------------------------|---|---|----|-----|

Harpalinae, Harpalini, Ditomina

Genus *Graniger* Motschulsky, 1864

| | | | | |
|--|---|---|----|-----|
| 299. <i>cordicollis</i> (Audinet-Serville, 1821) | N | S | Si | MED |
|--|---|---|----|-----|

| | | | | |
|---|---|---|-----|-----|
| 300. <i>femorialis</i> (Coquerel, 1858) | N | S | Si? | MED |
|---|---|---|-----|-----|

Genus *Oedesis* Motschulsky, 1850

| | | | | |
|---------------------------------------|--|---|----|-----|
| 301. <i>caucasicus</i> (Dejean, 1831) | | S | Si | TUE |
|---------------------------------------|--|---|----|-----|

| | | | | |
|---------------------------------------|--|---|----|-----|
| 302. <i>villosulus</i> (Reiche, 1859) | | S | Si | WME |
|---------------------------------------|--|---|----|-----|

Genus *Carterus* Dejean & Boisduval, 1829

Subgenus *Carterus* Dejean & Boisduval, 1829

| | | | | |
|-----------------------------------|---|---|----|-----|
| 303. <i>dama</i> (P. Rossi, 1792) | N | S | Si | MED |
|-----------------------------------|---|---|----|-----|

| | | | | |
|--|---|---|----|-----|
| 304. <i>fulvipes</i> (Latreille, 1817) | N | S | Si | EUM |
| 305. <i>gilvipes</i> (Piochard de la Brûlerie, 1873) | | S | Si | MED |
| 306. <i>rotundicollis</i> (Rambur, 1842) | | S | Si | WME |

Genus *Tschitscherinellus* Csiki, 1906

| | | | | |
|-------------------------------------|---|---|--|-----|
| 307. <i>cordatus</i> (Dejean, 1825) | | | | MED |
| <i>c. cordatus</i> (Dejean, 1825) | N | S | | |

Genus *Ditomus* Bonelli, 1810

(= *Sabienus* Gozis, 1882)

| | | | | |
|---|---|---|----|-----|
| 308. <i>calydonius</i> (P. Rossi, 1790) | | | | TUE |
| <i>c. calydonius</i> (P. Rossi, 1790) | N | S | Si | |
| 309. <i>tricuspidatus</i> (Fabricius, 1792) | | S | Si | MED |

Genus *Dixus* Billberg, 1820

(= *Ditomus* auct.)

| | | | | |
|---|---|---|----|-----|
| 310. <i>clypeatus</i> (P. Rossi, 1790) | N | S | Si | WME |
| 311. <i>sphaerocephalus</i> (Olivier, 1795) | | | Si | WME |

Harpalinae, Harpalini, Amblystomina

Genus *Amblystomus* Erichson, 1837

| | | | | |
|---|---|---|----|-----|
| 312. <i>algerinus</i> Reitter, 1883 | | | | WME |
| 313. <i>mauritanicus</i> (Dejean, 1829) | | S | Si | WME |
| 314. <i>metallescens</i> (Dejean, 1829) | N | S | Si | EUM |
| (= <i>levantinus</i> Reitter, 1883) | | | | |
| 315. <i>niger</i> (Heer, 1841) | N | S | Si | EUM |
| 316. <i>raymondi</i> Gautier des Cottés, 1861 | | | | WME |

Platyninae, Sphodrini, Calathina

Genus *Calathus* Bonelli, 1810

Subgenus *Calathus* Bonelli, 1810

| | | | | |
|---|---|---|----|-----|
| ? <i>fuscipes</i> (Goeze, 1777) | | | | EUM |
| <i>f. graecus</i> Dejean, 1831 | N | S | Si | |
| (= <i>latus</i> Audinet-Serville, 1821) | | | | |

Subgenus *Neocalathus* Ball & Nègre, 1972

| | | | | |
|---------------------------------------|---|---|----|-----|
| ? <i>ambiguus</i> (Paykull, 1790) | | | | ASE |
| <i>a. ambiguus</i> (Paykull, 1790) | N | S | Si | |
| 317. <i>cinctus</i> Motschulsky, 1850 | N | S | Si | WPA |
| 318. <i>mollis</i> (Marsham, 1802) | | | Si | WPA |
| 319. <i>solieri</i> Bassi, 1834 | | | Si | WME |

Subgenus *Bedelinus* Ragusa, 1885

| | | | | |
|---------------------------------------|---|---|----|-----|
| 320. <i>circumseptus</i> Germar, 1824 | N | S | Si | WME |
|---------------------------------------|---|---|----|-----|

Platyninae, Sphodrini, Sphodrina

Genus *Sphodrus* Clairville, 1806

321. *leucophthalmus* (Linnaeus, 1758) N S Si WPA

Genus *Laemostenus* Bonelli, 1810

Subgenus *Laemostenus* Bonelli, 1810

322. *complanatus* (Dejean, 1828) N S Si MED(COS)

? *venustus* (Dejean, 1828) N S EME

Subgenus *Actenipus* Jeannel, 1937

323. *carinatus* (Chaudoir, 1859) S WME(SACO)

324. *pippii* (G. Fiori, 1961) E WME(SARD)

Subgenus *Pristonychus* Dejean, 1828

325. *algerinus* (Gory, 1833) WME

a. algerinus (Gory, 1833) N S Si

Platyninae, Platynini

Genus *Agelaea* Gené, 1839

326. *fulva* Gené, 1839 (Fig. 1) E MED(SARD)

Genus *Olisthopus* Dejean, 1828

327. *elongatus* Wollaston, 1854 Si WME

328. *fuscatus* Dejean, 1828 N S Si MED

329. *glabricollis* (Germar, 1817) N S Si EME

Genus *Agonum* Bonelli, 1810

Subgenus *Agonum* Bonelli, 1810

330. *extensum* Ménétréés, 1849 EME

331. *marginatum* (Linnaeus, 1758) N S Si WPA

332. *muelleri* (Herbst, 1784) SIE(OLA)

m. unicolor Leoni, 1907 S Si?

333. *nigrum* Dejean, 1828 N S Si TEM

334. *numidicum* Lucas, 1849 S Si WME

Subgenus *Olisares* Motschulsky, 1865

335. *longicornis* Chaudoir, 1846 N S EME

336. *lugens* (Duftschmid, 1812) N S Si EUM

337. *permoestum* Puel, 1938 N S Si SEU

? *viduum* (Panzer, 1796) N SIE

Subgenus *Europhilus* Chaudoir, 1859

338. *thoreyi* Dejean, 1828 OLA

t. thoreyi Dejean, 1828 N S Si

Genus *Anchomenus* Bonelli, 1810

Subgenus *Anchomenus* Bonelli, 1810

339. *dorsalis* (Pontoppidan, 1763) N S Si PAL

Genus *Paranchus* Lindroth, 1974

340. *albipes* (Fabricius, 1796) N S Si EUM(OLA)

Genus *Atranus* LeConte, 1848

341. *ruficollis* (Gautier des Cottés, 1857) N S Si SEU
(= *collaris* Ménériés, 1832)

Cyclosominae, Masoreini

Genus *Masoreus* Dejean, 1821

342. *aegyptiacus* Dejean, 1828 S Si WME

343. *wetterhallii* (Gyllenhal, 1813) PAL

w. testaceus Lucas, 1846 S

Lebiinae, Apenini

Genus *Platytarus* Fairmaire, 1850

344. *bufo* (Fabricius, 1801) Si WME

345. *faminii* (Dejean, 1826) AFM

f. faminii (Dejean, 1826) S Si

Lebiinae, Cymindidini, Cymindidina

Genus *Cymindis* Latreille, 1806

Subgenus *Cymindis* Latreille, 1806

346. *axillaris* (Fabricius, 1794) N S Si WPA

347. *marmorae* Gené, 1839 SEU(SACO)

Lebiinae, Dromiini, Lionychina

Genus *Syntomus* Hope, 1838

348. *foveatus* (Geoffroy in Fourcroy, 1785) N S Si SIE

349. *fuscocomaculatus* (Motschulsky, 1844) Si TUM

350. *impressus* (Dejean, 1825) MED

i. impressus (Dejean, 1825) S Si

351. *obscuroguttatus* (Duftschmid, 1812) N S Si EUM

352. *truncatellus* (Linnaeus, 1761) N S SIE

Genus *Lionychus* Wissmann, 1846

Subgenus *Lionychus* Wissmann, 1846

353. *sturmii* (Gené, 1836) WME(SACO)

Genus *Apristus* Chaudoir, 1846

354. *europaeus* Mateu, 1980 N S Si SEU

Lebiinae, Dromiini, Dromiina

Genus *Microlestes* Schmidt-Goebel, 1846

355. *abeillei* (Brisout de Barneville, 1885) WME

a. sardous Holdhaus, 1912

356. *corticalis* (L. Dufour, 1820) N S Si TUM

357. *fulvibasis* (Reitter, 1901) N S Si? TUM

358. *luctuosus* Holdhaus in Apfelbeck, 1904N S Si TUM

? *maurus* (Sturm, 1827) N S TUE

? *minutulus* (Goeze, 1777) N S Si? OLA

359. *negrita* (Wollaston, 1854) N S Si MED

Genus *Paradromius* Fowler, 1887

Subgenus *Manodromius* Reitter, 1905

360. *linearis* (Olivier, 1795) N S Si EUM

Genus *Dromius* Bonelli, 1810

Subgenus *Dromius* Bonelli, 1810

361. *meridionalis* Dejean, 1825 N S Si SIE

? *quadrifasciatus* (Linnaeus, 1758) N S EUR

Genus *Calodromius* Reitter, 1905

? *bifasciatus* (Dejean, 1825) Si WME

362. *spilotus* (Illiger, 1798) N S EUM

Genus *Philorhizus* Hope, 1838

363. *crucifer* (Lucas, 1846) MED

c. crucifer (Lucas, 1846) S Si

364. *melanocephalus* (Dejean, 1825) N S Si TEM

365. *quadrisignatus* (Dejean, 1825) N S Si EUM

Genus *Metadromius* Bedel, 1907

366. *myrmidon* (Fairmaire, 1859) Si WME

Lebiinae, Demetriadini

Genus *Demetrias* Bonelli, 1810

Subgenus *Demetrias* Bonelli, 1810

367. *atricapillus* (Linnaeus, 1758) N S Si EUM

Subgenus *Aetophorus* Schmidt-Goebel, 1846

368. *imperialis* (Germar, 1824) N S Si SIE

Lebiinae, Lebiini

Genus *Lebia* Latreille, 1802

369. *humeralis* Dejean, 1825 N S Si SEU

370. *nigricollis* Gené, 1839 E MED(SARD)

? *nigripes* Dejean, 1825 S Si SEU

371. *scapularis* (Geoffroy in Fourcroy, 1785) N S Si CEM

? *trimaculata* (Villers, 1789) N S Si TEM

Genus *Lamprias* Bonelli, 1810

372. *fulvicollis* (Fabricius, 1792) N S Si WME

Dryptinae, Dryptini

Genus *Drypta* Latreille, 1796

Subgenus *Deserida* Basilewsky, 1960

373. *distincta* (P. Rossi, 1792) S Si AFM

Subgenus *Drypta* Latreille, 1796

374. *dentata* (P. Rossi, 1790) N S Si AFP

Dryptinae, Zuphiini, Zuphiina

Genus *Zuphium* Latreille, 1806

Subgenus *Zuphium* Latreille, 1806

375. *numidicum* Lucas, 1846 Si MED

376. *olens* (P. Rossi, 1790) N S Si AIM

Genus *Parazuphium* Jeannel, 1942

Subgenus *Parazuphium* Jeannel, 1942

377. *baeticum* (K. Daniel & J. Daniel, 1898) WME

b. baeticum (K. Daniel & J. Daniel, 1898) S

? *chevrolatii* (Laporte de Castelnau, 1833) TUM

c. chevrolatii (Laporte de Castelnau, 1833) N S

Genus *Polistichus* Bonelli, 1810

378. *connexus* (Geoffroy in Fourcroy, 1785)

N

S Si WPA

379. *fasciolatus* (P. Rossi, 1790)

S TUM

* Genus showing a very high endemism in Sardinia: there are some other species already identified, but not yet described (Casale 2009).

** *Typhloreicheia arganoi* only on Asinara Island.

*** *Orthomus poggii* only on Toro Island.

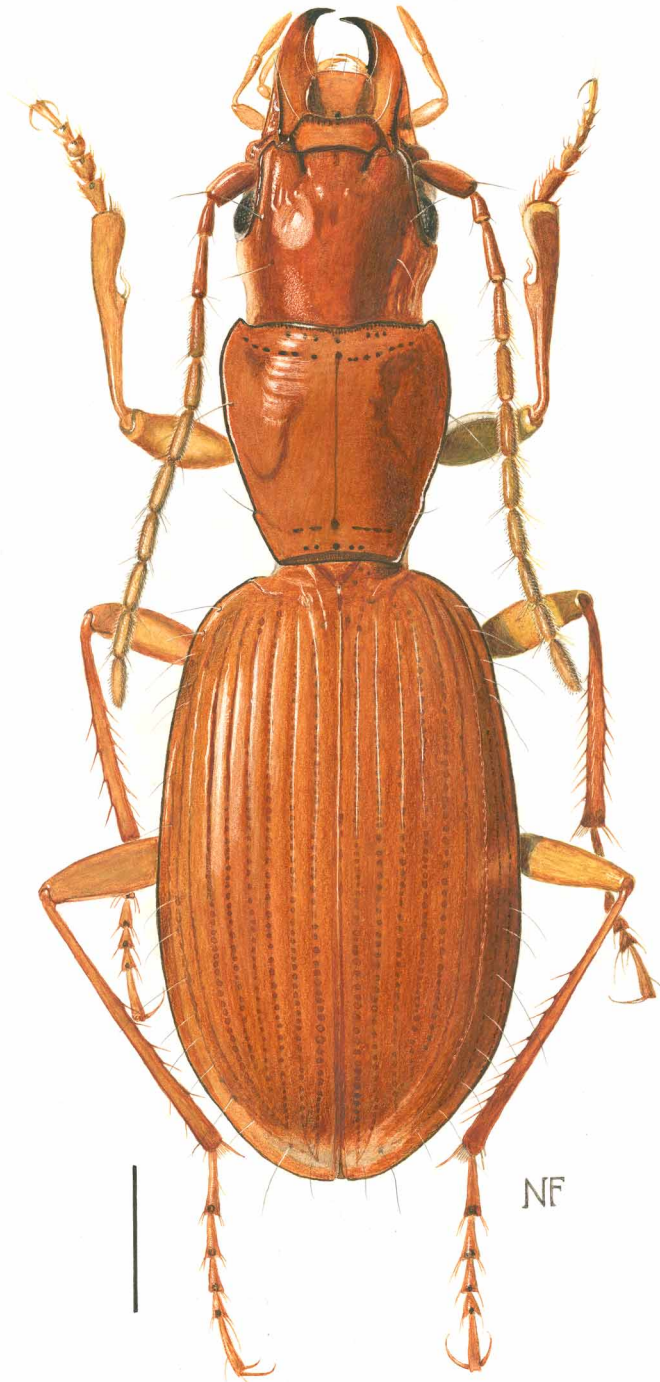


FIGURE 1. Habitus of *Agelaea fulva* Gené (♂, Mt Gennargentu massif, Bruncu Spina, 1600 m, 19.IV.1996, A. Vigna Taglianti leg.): one of the most interesting endemic species of the Sardinian fauna (drawing by Niccolò Falchi). Scale bar: 1 mm.

References

[The inclusion of author and year in the name strings of the checklist does not constitute citation of the original descriptions of the taxa]

- Bousquet, Y. (2002) Additions and corrections to the world catalogue of genus-group names of Geadephaga (Coleoptera) published by Wolfgang Lorenz (1998). *Folia Heyrovskyana, Supplementum*, 9, 1–78.
- Casale, A. (2004) Due nuovi Coleotteri ipogei di Sardegna, *Sardaphaenops adelphus* n.sp. (Coleoptera Carabidae) e *Patriziella muceddai* n.sp. (Coleoptera Cholevidae), e loro significato biogeografico. *Bollettino della Società Entomologica Italiana*, 136, 3–31.
- Casale, A. (2009) Adaptive radiation in Mediterranean islands? The case of Reicheiina in Sardinia (Coleoptera, Carabidae, Scaritinae). In: Casellato, S., Burighel, P. & Minelli, A. (Eds), *Life and Time: The Evolution of Life and its History*. Cleup, Padova, pp. 75–86.
- Casale, A. & Magrini, P. (2004) Una nuova specie di *Typhloreicheia* del “gruppo *elegans*” della Sardegna centro-orientale, con note sulla tassonomia, sulla filogenesi e sulla distribuzione del genere in Sardegna (Coleoptera Carabidae Scaritinae). *Redia*, 86 [2003], 47–52.
- Casale, A. & Vigna Taglianti, A. (1996) Coleotteri Carabidi di Sardegna e delle piccole isole circumsarde, e loro significato biogeografico (Coleoptera, Carabidae). *Biogeographia, Lavori della Società Italiana di Biogeografia (n.s.)*, 18 [1995], 391–427.
- Hieke, F. (2001) Das *Amara*-Subgenus *Xenocelia* subg.n. (Coleoptera: Carabidae). *Folia Heyrovskyana, Supplementum*, 7, 1–153.
- Ketmaier, V., Casale, A., Cobolli, M., De Matthaeis, E. & Vigna Taglianti, A. (2003) Biochemical systematics and phylogeography of the *Percus strictus* subspecies (Coleoptera, Carabidae), endemic to Sardinia. *Italian Journal of Zoology*, 70, 339–346.
- Kopecký, T. (2003) Carabidae: Bembidiinae: Tachyina. New replacement names. In: Löbl, I. & Smetana, A. (Eds), *Catalogue of Palaearctic Coleoptera. Volume 1. Archostemata - Myxophaga - Adephaga*. Apollo Books, Stenstrup, p. 21.
- Leo, P. & Magrini, P. (2002) Un nuovo *Orthomus* Chaudoir italiano (Coleoptera Carabidae). *Annali del Museo Civico di Storia Naturale “G. Doria”*, 94, 509–519.
- Leo, P., Magrini, P. & Fancello, L. (2005) Materiali per lo studio delle *Typhloreicheia* della Sardegna con descrizione di nove specie nuove (Coleoptera Carabidae). *Bollettino della Società Entomologica Italiana*, 137, 167–203.
- Lorenz, W. (1998a) *Systematic list of extant ground beetles of the world (Insecta Coleoptera “Geadephaga”: Trachypachidae and Carabidae incl. Paussinae, Cicindelinae, Rhysodinae). First Edition*. Published by the Author, Tutzing, Germany, iv + 503 pp.
- Lorenz, W. (1998b) *Nomina Carabidarum - a directory of the scientific names of ground beetles (Insecta, Coleoptera “Geadephaga”: Trachypachidae and Carabidae incl. Paussinae, Cicindelinae, Rhysodinae). First Edition*. Published by the Author, Tutzing, Germany, iv + 939 pp.
- Lorenz, W. (2005a) *Systematic list of extant ground beetles of the world (Insecta Coleoptera “Geadephaga”: Trachypachidae and Carabidae incl. Paussinae, Cicindelinae, Rhysodinae). Second Edition*. Published by the Author, Tutzing, Germany, iv + 530 pp.
- Lorenz, W. (2005b) *Nomina Carabidarum - a directory of the scientific names of ground beetles (Insecta, Coleoptera “Geadephaga”: Trachypachidae and Carabidae incl. Paussinae, Cicindelinae, Rhysodinae). Second Edition*. Published by the Author, Tutzing, Germany, iv + 993 pp.
- Löbl, I. & Smetana, A. (Eds) (2003) *Catalogue of Palaearctic Coleoptera. Volume 1. Archostemata - Myxophaga - Adephaga*. Apollo Books, Stenstrup, 819 pp.
- Magistretti, M. (1965) *Fauna d'Italia, VIII. Coleoptera, Cicindelidae, Carabidae. Catalogo topografico*. Edizioni Calderini, Bologna, xv + 512 pp.
- Magrini, P. (2000) Una nuova *Typhloreicheia* della Sardegna (Coleoptera Carabidae). *Redia*, 82 [1999], 43–48.
- Magrini, P. (2001) Una nuova *Typhloreicheia* della Sardegna settentrionale (Coleoptera Carabidae). *Redia*, 83 [2000], 77–86.
- Magrini, P. (2003a) Note sulle *Typhloreicheia* Holdhaus, 1924 dell'Iglesiente (Sardegna) con descrizione di due nuove specie (Insecta Coleoptera Carabidae). *Quaderno di Studi e Notizie di Storia Naturale della Romagna*, suppl. 17, 5–16.
- Magrini, P. (2003b) Cinque nuove specie di *Typhloreicheia* della Sardegna (Coleoptera Carabidae). *Bollettino della Società Entomologica Italiana*, 135, 129–152.
- Magrini, P. (2004) Due nuovi Scaritini anoftalmi della Sardegna (Coleoptera Carabidae). *Bollettino della Società Entomologica Italiana*, 136, 191–201.
- Magrini, P. & Bulirsch, P. (2002) Una nuova *Typhloreicheia* Holdhaus, 1924 della Sardegna meridionale (Insecta

- Coleoptera Carabidae). *Quaderno di Studi e Notizie di Storia Naturale della Romagna*, suppl. 16, 15–23.
- Magrini, P. & Degiovanni, A. (2006) Una nuova *Typhloreicheia* della Sardegna nord-orientale (Coleoptera Carabidae). *Bollettino della Società Entomologica Italiana*, 138, 175–180.
- Magrini, P. & Fancello, L. (2005) Una nuova specie del genere *Typhloreicheia* della Sardegna centrale (Coleoptera Carabidae). *Bollettino della Società Entomologica Italiana*, 137, 93–102.
- Magrini, P. & Fancello, L. (2007) *Typhloreicheia* della Sardegna: descrizione di tre nuovi taxa e dati geonemici inediti (Coleoptera Carabidae). *Fragmenta Entomologica*, 39, 161–168.
- Magrini, P. & Fancello, L. (2009) Una nuova *Typhloreicheia* del sud della Sardegna (Coleoptera Carabidae). *Bollettino della Società Entomologica Italiana*, 141, 73–80.
- Magrini, P., Fancello, L. & Casale, A. (2006) Note sull'identità specifica di *Typhloreicheia raymondi* (Putzeys, 1869), descrizione di *Typhloreicheia holdhausi* nuova specie della Sardegna meridionale e nota sinonimica (Coleoptera Carabidae Scaritinae). *Redia*, 88 [2005], 37–45.
- Magrini, P., Fancello, L. & Leo, P. (2003) Un nuovo genere e una nuova specie di Reicheiina della Sardegna (Coleoptera Carabidae Scaritinae). *Redia*, 84 [2001], 141–149.
- Magrini, P., Leo, P. & Fancello, L. (2004) Una nuova specie di *Microtyphlus* della Sardegna (Coleoptera, Carabidae). *Doriana, Supplemento agli Annali del Museo Civico di Storia Naturale "G. Doria"*, 7(343), 1–9.
- Marggi, W. & Huber, C. (2001) Replacement name for *Bembidion (Emphanes) axillare rivulare* Dejean, 1831. *Angewandte Carabidologie*, 2/3 [2000], 101–102.
- Minelli, A., Ruffo, S. & La Posta, S. (Eds) (1993–1995) *Checklist delle specie della fauna italiana, 1–110*. Edizioni Calderini, Bologna.
- Vigna Taglianti, A. (1993) Coleoptera Archostemata, Adephaga I (Carabidae). In: Minelli, A., Ruffo, S. & La Posta, S. (Eds), *Checklist delle specie della fauna italiana, 44*. Edizioni Calderini, Bologna, pp. 1–51. [with Errata-Corrige cod. 3868, January 1994.]
- Vigna Taglianti, A. (2001) I Carabidi delle isole circumsarde (Coleoptera, Carabidae). *Annali del Museo Civico di Storia Naturale "G. Doria"*, 93 [2000], 305–428.
- Vigna Taglianti, A. (2004) Fauna Europaea: Carabidae. In: Audisio, P. (Ed.), *Fauna Europaea: Coleoptera 2, Beetles*. Fauna Europaea version 1.1, available at <http://www.faunaeur.org> [accessed September 2009 as version 1.3 of April 19th 2007.]
- Vigna Taglianti, A. (2005) Checklist e corotipi delle specie di Carabidae della fauna italiana. Appendice B. In: Brandmayr, P., Zetto, T. & Pizzolotto, R. (Eds), *I Coleotteri Carabidi per la valutazione ambientale e la conservazione della biodiversità. Manuale operativo*. APAT, Manuali e Linee Guida, 34, pp. 186–225.
- Vigna Taglianti, A., Audisio, P.A., Belfiore, C., Biondi, M., Bologna, M.A., Carpaneto, G.M., De Biase, A., De Felici, S., Piattella, E., Racheli, T., Zapparoli, M. & Zoia, S. (1993) Riflessioni di gruppo sui corotipi fondamentali della fauna W-paleartica ed in particolare italiana. *Biogeographia, Lavori della Società Italiana di Biogeografia (n.s.)*, 16 [1992], 159–179.
- Vigna Taglianti, A., Audisio, P.A., Biondi, M., Bologna, M.A., Carpaneto, G.M., De Biase, A., Fattorini, S., Piattella, E., Sindaco, R., Venchi, A. & Zapparoli, M. (1999) A proposal for a chorotype classification of the Near East fauna, in the framework of the Western Palearctic region. *Biogeographia, Lavori della Società Italiana di Biogeografia (n.s.)*, 20, 31–59.
- Wrase, D.W. (2009) On the identity of *Amblystomus levantinus* Reitter 1893, and remarks on *A. metallescens* (Dejean 1829) (Coleoptera, Carabidae, Harpalini, Amblystomina). *Linzer Biologische Beiträge*, 41, 889–899.