

MESSOR

abdelazizi. *Messor barbarus* st. *abdelazizi* Santschi, 1921d: 70 (s.) MOROCCO.

Santschi, 1931a: 4 (w.q.); Cagniant & Espadaler, 1998: 423 (m.).

Subspecies of barbarus: Santschi, 1923a: 134.

Subspecies of structor: Santschi, 1923f: 320; Santschi, 1929e: 142; Santschi, 1936c: 200.

Status as species: Santschi, 1931a: 4; Cagniant, 1964: 87; Bolton, 1995b: 252; Cagniant & Espadaler, 1998: 423; Cagniant, 2006a: 197; Borowiec, L. 2014: 101; Barech, *et al.* 2020: 17.

aciculatus. *Aphaenogaster aciculata* Smith, F. 1874: 405 (w.q.) JAPAN.

[Misspelled as *acciculatus* by Pisarski, 1969a: 227, Pisarski, 1969b: 295.]

Imai, 1966: 119 (k.); Onoyama, 1982: 325 (l.); Kupyanskaya, 1990: 122 (m.).

Combination in *Stenamma* (*Messor*): Forel, 1901h: 60;

combination in *Aphaenogaster* (*Attomyrma*): Emery, 1921f: 57;

combination in *Messor*: Forel, 1922: 93.

Status as species: Mayr, 1879: 670; Dalla Torre, 1893: 98; Wheeler, W.M. 1906c: 315; Emery, 1908c: 336; Yano, 1910: 420; Emery, 1921f: 57; Wheeler, W.M. 1928c: 9; Wheeler, W.M. 1928d: 107; Wheeler, W.M. 1929f: 2; Wheeler, W.M. 1930h: 63; Teranishi, 1940: 13; Azuma, 1951: 87; Chapman & Capco, 1951: 131, 136 (combinations in *Aphaenogaster* and *Messor*, respectively); Azuma, 1953: 2; Pisarski, 1969a: 227; Pisarski, 1969b: 295; Collingwood, 1976: 303; Arnol'di, 1977b: 1645 (in key); Azuma, 1977: 113; Onoyama, 1980: 197; Ogata, 1991b: 88; Wu, J. & Wang, 1992: 1305; Morisita, *et al.* 1992: 20; Bolton, 1995b: 252; Wu, J. & Wang, 1995: 98; Tang, J., Li, *et al.* 1995: 53; Park & Kim, 2000: 109; Imai, *et al.* 2003: 160; Radchenko, 2005b: 136; Pfeiffer, *et al.* 2007: 4; Terayama, 2009: 170; He & Song, 2009: 722; Guénard & Dunn, 2012: 44.

Senior synonym of brunneicornis: Yano, 1910: 420; Wheeler, W.M. 1928c: 9 (in text); Wheeler, W.M. 1928d: 107 (in text); Arnol'di, 1977b: 1645 (in key); Onoyama, 1980: 197; Bolton, 1995b: 252; Park & Kim, 2000: 109; Imai, *et al.* 2003: 160.

Senior synonym of lobulifera: Wheeler, W.M. 1928c: 9 (in text); Wheeler, W.M. 1928d: 107 (in text); Wheeler, W.M. 1930h: 63; Arnol'di, 1977b: 1645 (in key); Bolton, 1995b: 252; Tang, J., Li, *et al.* 1995: 53; Imai, *et al.* 2003: 160.

Current subspecies: nominal plus *risianus*.

aedificans, misspelling, see under *aedificator*.

aedificator. *Formica aedificator* Schilling, 1839: 56 (w.) POLAND.

[Misspelled as *aedificans* by Mayr, 1855: 464, Smith, F. 1858b: 162.]

Combination in *Aphaenogaster*: Roger, 1863b: 29.

Junior synonym of *rufitarsis* Fabricius: Emery, 1921b: 211; Pisarski, 1975: 16.

Junior synonym of *strUTOR*: Mayr, 1855: 464; Smith, F. 1858b: 162; Mayr, 1863: 397; Roger, 1863b: 29; André, 1874: 203 (in list); Forel, 1874: 101 (in list); Emery & Forel, 1879: 462; Dalla Torre, 1893: 105; Emery, 1921f: 73; Bolton, 1995b: 252; Czechowski, *et al.* 2002: 37; Czechowski, *et al.* 2012: 120; Radchenko, 2016: 171; Steiner, Csösz, *et al.* 2018: supplementary material, 6.

aegaeus. *Messor strUTOR* var. *aegaeus* Santschi, 1926f: 286.

[First available use of *Messor barbarus* subsp. *strUTOR* var. *aegaeus* Emery, 1921b: 213, fig. 5 (w.q.m.) TURKEY; unavailable (infrasubspecific) name.]

Subspecies of *structor*: Menozzi, 1928a: 126; Santschi, 1934d: 275; Menozzi, 1936d: 276; Finzi, 1939c: 155; Baroni Urbani, 1964a: 2; Aktaç, 1977: 120; Bolton, 1995b: 252; Legakis, 2011: 9; Kiran & Karaman, 2012: 20.

Junior synonym of *varrialei*: Steiner, Csösz, *et al.* 2018: supplementary material, 7.

***aeolia*.** *Messor barbarus* subsp. *structor* var. *aeolia* Emery: Kiran & Karaman, 2012: 29 (attributed to Schkaff, 1924 (reference not seen)). *Nomen nudum*.

***aegyptiacus*.** *Aphaenogaster barbara* var. *aegyptiaca* Emery, 1878b: 57 (footnote) (w.q.) EGYPT.

Emery, 1908e: 452 (m.); Athias-Henriot, 1947: 249 (l.).

Combination in *A. (Messor)*: Forel, 1890a: lxix; Ruzsky, 1905b: 751;

combination in *Stenamma (Messor)*: Forel, 1902a: 148;

combination in *Messor*: Emery, 1908e: 451.

As unavailable (infrasubspecific) name: Emery, 1891b: 12; Forel, 1894d: 31; Forel, 1902a: 148; Forel, 1904c: 5; Forel, 1907e: 15.

Subspecies of *capitatus*: Dalla Torre, 1893: 101.

Subspecies of *barbarus*: Emery, 1878b: 57; Emery, 1880: 393 (in text); Emery, 1881b: 534; André, 1883b: 355; André, 1884b: 541; Forel, 1890a: lxix; Forel, 1895d: 233; Mayr, 1904b: 6; Ruzsky, 1905b: 751; Emery, 1908e: 451; Karavaiev, 1911: 4; Karavaiev, 1912a: 9; Wheeler, W.M. & Mann, 1916: 170; Emery, 1921f: 70; Emery, 1922c: 95; Donisthorpe, 1942a: 27; Donisthorpe, 1947e: 109.

Status as species: Santschi, 1923f: 320; Santschi, 1929e: 142; Finzi, 1930b: 14; Menozzi, 1934: 158; Santschi, 1934d: 273; Finzi, 1936: 157; Santschi, 1938a: 31; Santschi, 1939d: 69; Finzi, 1940: 157; Athias-Henriot, 1947: 249; Bernard, 1953a: 141 (redescription); Délye, 1960: 261; Cagniant, 1964: 87; Cagniant, 1970a: 416; Bernard, 1971: 7; Baroni Urbani, 1976: 210; Kugler, J. 1988: 257; Bolton, 1995b: 252; Cagniant & Espadaler, 1998: 428; Cagniant, 2006a: 197; Vonshak, *et al.* 2009: 42; Borowiec, L. 2014: 101 (see note in bibliography); Barech, *et al.* 2020: 15.

Current subspecies: nominal plus *canaliculatus*, *felah*, *tunetinus*.

***airensis*.** *Messor galla* var. *airensis* Bernard, 1950b: 286 (w.q.) NIGER.

Junior synonym of *galla*: Bolton, 1982: 350; Bolton, 1995b: 252.

***alaschanicus*.** *Messor excursionis* subsp. *alaschanicus* Ruzsky, 1915a: 442, figs. 25-27 (w.) MONGOLIA.

Subspecies of *excursionis*: Emery, 1921f: 74; Stärcke, 1935: 268 (footnote); Pisarski & Krzysztofiak, 1981: 155; Bolton, 1995b: 252.

***alexandri*.** *Messor alexandri* Tohmé, G. & Tohmé, H. 1981: 148.

[First available use of *Messor barbarus* st. *structor* var. *alexandri* Santschi, 1917e: 91 (w.) SYRIA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1921b: 212; Emery, 1921f: 73; Santschi, 1926f: 292.

Subspecies of *structor*: Tohmé, G. & Tohmé, 2014: 134 (error).

Status as species: Collingwood, 1993b: 194; Bolton, 1995b: 252; Vonshak, *et al.* 2009: 42; Legakis, 2011: 9; Borowiec, L. & Salata, 2012: 511; Borowiec, L. 2014: 101; Lebas, *et al.* 2016: 298.

***alfierii*.** *Messor arenarius* st. *alfierii* Santschi, 1938a: 34, fig. 4 (w.) EGYPT.

Subspecies of *arenarius*: Bolton, 1995b: 252.

***amasiensis*.** *Messor oertzeni* var. *amasiensis* Emery, 1921b: 216 (q.) TURKEY.

Subspecies of oertzeni: Bolton, 1995b: 252; Kiran & Karaman, 2012: 20.

amaurocyclia. *Myrmica amaurocyclia* Foerster, 1850b: 486 (w.) ALGERIA.

Combination in *Aphaenogaster*: Roger, 1863b: 29.

Junior synonym of *arenarius*: Roger, 1862c: 292; Mayr, 1863: 395; Roger, 1863b: 29; Dalla Torre, 1893: 98; Emery, 1921f: 69; Bolton, 1995b: 252.

ambiguus. *Messor barbarus* var. *ambiguus* Santschi, 1925g: 342 (w.) TUNISIA.

Junior synonym of *barbarus*: Collingwood, 1978: 68; Bolton, 1995b: 252.

Junior synonym of *politus*: Barech, *et al.* 2020: 18.

amphigaea. *Messor oertzeni* var. *amphigaea* Forel, 1911d: 347 (s.w.m.) GREECE.

[Misspelled as *amphigera* by Santschi, 1921a: 110.]

Subspecies of *oertzeni*: Santschi, 1921a: 110; Emery, 1921f: 74; Santschi, 1926f: 286; Finzi, 1928c: 789; Menozzi, 1936d: 276; Donisthorpe, 1950e: 1060.

Junior synonym of *oertzeni*: Agosti & Collingwood, 1987a: 54; Bolton, 1995b: 252; Legakis, 2011: 9; Kiran & Karaman, 2012: 20.

angularis. *Messor galla* var. *angularis* Santschi, 1928f: 202.

[First available use of *Messor barbarus* st. *semirufus* var. *angularis* Santschi, 1914b: 75 (w.) KENYA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1921f: 72; Emery, 1922c: 97; Wheeler, W.M. 1922a: 803.

Status as species: Bolton, 1982: 344 (redescription); Bolton, 1995b: 252; Hita Garcia, *et al.* 2013: 212.

antennatus. *Messor antennatus* Emery, 1908e: 441, fig. 3 (w.) MOROCCO.

Menozzi, 1922a: 354 (q.); Cagniant & Espadaler, 1998: 431 (m.).

Status as species: Stitz, 1917: 342; Emery, 1921f: 69; Menozzi, 1922a: 354; Santschi, 1929e: 142; Finzi, 1930b: 15; Santschi, 1931a: 3; Cagniant, 1964: 87; Bernard, 1980: 267; Bolton, 1995b: 252; Cagniant & Espadaler, 1998: 431; Cagniant, 2006a: 197; Borowiec, L. & Salata, 2012: 511; Borowiec, L. 2014: 101 (see note in bibliography); Barech, *et al.* 2020: 17.

Current subspecies: nominal plus *fodorii*, *personatus*.

aphaenogasteroides. *Messor aphaenogasteroides* Pisarski, 1967: 381, figs. 10-15 (w.q.) AFGHANISTAN.

Status as species: Bernard, 1981b: 143; Bolton, 1995b: 252.

aralocaspicus. *Aphaenogaster barbara* var. *aralocaspia* Ruzsky, 1902c: 20 (w.) KAZAKHSTAN.

Karavaiev, 1910b: 63 (q.m.); Stitz, 1930: 240 (q.).

Combination in *Aphaenogaster* (*Messor*): Ruzsky, 1905b: 745;

combination in *Messor*: Emery, 1908e: 449.

As unavailable (infrasubspecific) name: Ruzsky, 1905b: 745; Emery, 1908e: 449; Karavaiev, 1910b: 62; Emery, 1921f: 71; Emery, 1922c: 94; Kuznetsov-Ugamsky, 1923: 257; Ruzsky, 1923: 4; Stitz, 1930: 240.

Subspecies of barbarus: Kuznetsov-Ugamsky, 1927a: 90 (in key); Kuznetsov-Ugamsky, 1929d: 16.

Subspecies of minor: Santschi, 1927c: 239; Santschi, 1927d: 247; Finzi, 1936: 159.

Status as species: Pisarski, 1967: 384; Pisarski, 1969b: 306; Pisarski, 1970: 306; Tarbinsky, 1976: 65 (redescription); Arnol'di, 1977b: 1642 (in key); Dlussky, 1981a: 17; Collingwood, 1985: 248; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood,

1987b: 270 (in key); Dlussky, Soyunov & Zabelin, 1990: 218; Bolton, 1995b: 252; Collingwood & Agosti, 1996: 315; Collingwood & Heatwole, 2000: 7; Petrov, 2006: 91 (in key); Schultz, R. et al. 2006: 206; He & Song, 2009: 722; Karaman, M.G. 2011b: 36; Guénard & Dunn, 2012: 45; Borowiec, L. 2014: 101 (see note in bibliography).

Material of the unavailable name *tamerlani* referred here by Dlussky, Soyunov & Zabelin, 1990: 218.

Current subspecies: nominal plus *infumatus*.

arcistriatus. *Messor arcistriatus* Santschi, 1928f: 202 (w.) SOUTH AFRICA.

Junior synonym of *decipiens*: Bolton, 1982: 348; Bolton, 1995b: 252.

arenarius. *Formica arenaria* Fabricius, 1787: 310 (w.) (no state data, “Habitat in Ba(r)bariae”, = North African coast from Morocco to Libya).

André, 1883b: 366 (q.); Emery, 1891b: 12 (q.m.); Forel, 1902a: 148 (m.).

Combination in *Aphaenogaster*: Roger, 1863b: 29;

combination in *Atta*: Mayr, 1863: 395;

combination in *Aphaenogaster* (*Messor*): Forel, 1890a: lxx; Forel, 1894d: 28;

combination in *Stenamma* (*Messor*): Emery, 1898c: 125;

combination in *Cratomymex*: Cagniant, 1970a: 414;

combination in *Messor*: Emery, 1908e: 439; Bolton, 1995b: 252.

Status as species: Gmelin, 1790: 2802; Olivier, 1792: 499; Latreille, 1802c: 288; Fabricius, 1804: 411; Roger, 1862c: 292; Roger, 1863b: 29; Mayr, 1863: 395; Emery, 1880: 392; Emery, 1881b: 534; André, 1881b: 74; André, 1883b: 353 (in key); Emery, 1884a: 382; Forel, 1890a: lxx; Emery, 1891b: 12; Dalla Torre, 1893: 98; Forel, 1894d: 28; Forel, 1895d: 233; Emery, 1898c: 125; Forel, 1902a: 148; Forel, 1904c: 5; Forel, 1907e: 15; Forel, 1908a: 14; Emery, 1908e: 439 (redescription); Forel, 1909e: 379; Karavaiev, 1911: 3; Karavaiev, 1912a: 5; Forel, 1913d: 428; Stitz, 1917: 342; Crawley, 1920a: 163; Emery, 1921f: 69; Emery, 1924a: 7; Menozzi, 1927g: 379; Kutter, 1928: 66; Finzi, 1930b: 15; Santschi, 1931a: 4; Menozzi, 1932e: 452; Menozzi, 1933b: 51; Menozzi, 1934: 158; Finzi, 1936: 158; Santschi, 1938a: 32 (redescription); Menozzi, 1940: 267; Finzi, 1940: 158; Cagniant, 1964: 87; Cagniant, 1968a: 143; Cagniant, 1970a: 414; Bernard, 1971: 6; Collingwood, 1985: 249; Kugler, J. 1988: 257; Bolton, 1995b: 252; Collingwood & Agosti, 1996: 316; Cagniant & Espadaler, 1998: 423; Cagniant, 2006a: 197; Vonshak, et al. 2009: 42; Borowiec, L. 2014: 102 (see note in bibliography); Tohmé, G. & Tohmé, 2014: 134; Barech, et al. 2020: 14.

Senior synonym of *amaurocyclia*: Roger, 1862c: 292; Mayr, 1863: 395; Roger, 1863b: 29; Dalla Torre, 1893: 98; Emery, 1921f: 69; Bolton, 1995b: 252.

Senior synonym of *beduinus*: Cagniant, 2006a: 197; Barech, et al. 2020: 14.

Senior synonym of *bugnioni*: Forel, 1904f: 424; Emery, 1908e: 439; Emery, 1921f: 69; Bolton, 1995b: 252.

Senior synonym of *sculpturata*: Roger, 1862c: 292; Mayr, 1863: 395; Roger, 1863b: 29; Dalla Torre, 1893: 98; Emery, 1921f: 69; Bolton, 1995b: 252.

Current subspecies: nominal plus *alfieri*, *diabolus*, *ratus*, *thebaicus*.

armata. *Messor barbarus* subsp. *galla* var. *armata* Emery, 1922c: 98 (w.) GHANA; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Santschi, 1923a: 134; Barech, et al. 2020: 18.

Declared as unavailable (infrasubspecific) name: Bolton, 1982: 350.

Material referred to *galla* by Bolton, 1982: 350; Bolton, 1995b: 252.

atanassovii. *Messor atanassovii* Atanassov, 1982: 209, figs. 1-3 (s.w.q.) BULGARIA.

Status as species: Atanassov & Dlussky, 1992: 119; Bolton, 1995b: 252; Lapeva-Gjonova, et al. 2010: 14; Borowiec, L. 2014: 102.

[Note: *atanassovii* incorrectly regarded as an unavailable name by Baroni Urbani, Aktaç & Camiltepe, 1989: 300 (Bolton, 1995b: 252).]

barbarastructor. *Aphaenogaster barbara* var. *barbarastructor* Dalla Torre, 1893: 100 (w.) RUSSIA. *Nomen nudum* (attributed to Mayr, 1880: 33, where the name is not mentioned).

[*Aphaenogaster (Messor) barbara* var. *barbarastructor* Forel, 1892i: 316. *Nomen nudum*.]

[Note: the name *barbarastructor* persists in Ruzsky, 1902d: 27, Forel, 1904b: 373, Forel, 1904d: 175, Forel, 1906c: 189, Emery, 1921f: 73, Kuznetsov-Ugamsky, 1929d: 22; all *nomina nuda*.]

barbarus. *Formica barbara* Linnaeus, 1767: 962 (w.) (no state data, “Habitat in Barbaria”, = North African coast from Morocco to Libya).

[Note: Fabricius, 1775: 393, merely says, “Habitat in Africa”. One Linnaean specimen in LSLC (Day & Fitton, 1979: 196).]

Mayr, 1861: 67 (q.m.); Wheeler, G.C. & Wheeler, J. 1953b: 65 (l.).

Combination in *Myrmica*: Lucas, H. 1849: 300;

combination in *Atta*: Smith, F. 1858b: 162; Roger, 1859: 253;

combination in *Aphaenogaster*: Roger, 1863b: 29;

combination in *A. (Messor)*: Forel, 1890a: lxviii; Emery, 1891b: 9; Ruzsky, 1905b: 741;

combination in *Stenamma (Messor)*: Emery, 1895a: 178; Emery, 1898c: 125;

combination in *Messor*: Forel, 1894d: 8; Ruzsky, 1903b: 315; Bingham, 1903: 278; Emery, 1908e: 442.

Status as species: Fabricius, 1775: 393; Fabricius, 1782: 491; Fabricius, 1787: 308; Gmelin, 1790: 2797; Christ, 1791: 514; Olivier, 1792: 495; Fabricius, 1793: 356; Latreille, 1802c: 262; Fabricius, 1804: 403; Lucas, H. 1849: 300; Smith, F. 1858b: 162; Roger, 1859: 253; Mayr, 1861: 66 (in key); Smith, F. 1861a: 35; Roger, 1863b: 29; Mayr, 1863: 395; Emery, 1869b: 17; Dours, 1873: 167; André, 1874: 195 (in key); Radoszkowsky, 1876: 141; Mayr, 1877: 13; Emery, 1877b: 373; Emery, 1878a: x (in list); Emery, 1878b: 56; Emery & Forel, 1879: 461; Mayr, 1880: 33; Emery, 1880: 392; Emery, 1881a: 270; Emery, 1881b: 534; André, 1881b: 74; Emery, 1882: 451; Costa, 1883: 60; André, 1883b: 354 (in key); André, 1884b: 541; Emery, 1884a: 382; Forel, 1886e: clxviii; Forel, 1889: 257; Nasonov, 1889: 37; Forel, 1890a: lxviii; Saunders, E. 1890: 204; Emery, 1891b: 9; Forel, 1892e: 352; Forel, 1892i: 316; Emery, 1892a: 112; Dalla Torre, 1893: 99; Medina, 1893: 105; Forel, 1894d: 31; Forel, 1895d: 227, 233; Ruzsky, 1896: 74; Emery, 1899a: 500; Forel, 1902a: 148; Ruzsky, 1902d: 28; Mayr, 1904b: 5; Forel, 1904b: 373; Forel, 1904c: 5; Forel, 1905b: 176; Ruzsky, 1905b: 741; Mayr, 1907b: 14; Forel, 1907e: 15; Emery, 1908e: 442; Forel, 1909c: 104; Bondroit, 1910: 495; Karavaiev, 1910b: 62; Karavaiev, 1911: 3; Karavaiev, 1912a: 5; Emery, 1912f: 97; Emery, 1916b: 141; Stitz, 1917: 342; Bondroit, 1918: 152; Santschi, 1919e: 244; Arnold, 1920a: 405; Emery, 1921f: 69; Menozzi, 1922b: 326; Müller, 1923b: 63; Emery, 1924c: 164; Santschi, 1925g: 341; Wheeler, W.M. 1926: 3; Donisthorpe, 1926a: 6; Karavaiev, 1926b: 99; Karavaiev, 1927a: 287; Menozzi, 1927b: 90; Menozzi, 1928a: 127; Santschi, 1929e: 141; Finzi, 1929: 78; Finzi, 1930b: 15; Santschi, 1931a: 4; Santschi, 1932c: 69; Santschi, 1932g: 3; Grandi, 1935: 100; Santschi, 1936c: 200; Finzi, 1939c: 154; Santschi, 1939c: 2; Menozzi, 1940: 267; Finzi, 1940: 158; Weber, 1943c:

303; Bernard, 1945: 132; Donisthorpe, 1950e: 1059; Chapman & Capco, 1951: 136; Ceballos, 1956: 300; Bernard, 1959: 346; Cagniant, 1964: 87; Bernard, 1967: 146 (redescription); Cagniant, 1968a: 143; Collingwood & Yarrow, 1969: 62; Cagniant, 1970a: 416; Baroni Urbani, 1971c: 57; Baroni Urbani, 1976: 210; Collingwood, 1978: 81 (in key); Bernard, 1980: 266; Agosti & Collingwood, 1987b: 271 (in key); De Haro & Collingwood, 1994: 99; Bolton, 1995b: 252; Mei, 1995: 761; Poldi, *et al.* 1995: 3; Espadaler, 1997b: 30; Cagniant & Espadaler, 1998: 424; Tiwari, 1999: 38; Markó & Csösz, 2002: 116; Cagniant, 2006a: 197; Petrov, 2006: 93 (in key); Casevitz-Weulersse & Galkowski, 2009: 488; Lapeva-Gjonova, *et al.* 2010: 14; Borowiec, L. 2014: 102 (see note in bibliography); Lebas, *et al.* 2016: 290; Barech, *et al.* 2020: 18.

Senior synonym of *binodis*: Smith, F. 1858b: 162; Mayr, 1861: 66 (in key); Smith, F. 1861a: 35; Mayr, 1863: 395; Roger, 1863b: 29; André, 1874: 203 (in list); Emery, 1891b: 12; Dalla Torre, 1893: 99; Ruzsky, 1905b: 741; Emery, 1921f: 69; Bolton, 1995b: 252.

Senior synonym of *juvenilis*: Smith, F. 1858b: 162; Mayr, 1861: 66 (in key); Smith, F. 1861a: 35; Mayr, 1863: 395; Roger, 1863b: 29; André, 1874: 203 (in list); Emery & Forel, 1879: 461; Emery, 1891b: 12; Dalla Torre, 1893: 99; Emery, 1921f: 69; Bolton, 1995b: 252.

Senior synonym of *megacephala* Leach: Roger, 1859: 253; Mayr, 1863: 395; Roger, 1863b: 29; Emery & Forel, 1879: 461; Emery, 1891b: 12; Dalla Torre, 1893: 99; Emery, 1921f: 69; Bolton, 1995b: 252.

Senior synonym of *nigriceps* Santschi, 1925g: Collingwood, 1978: 68; Bolton, 1995b: 252.

Senior synonym of *rufitarsis* Foerster: Mayr, 1861: 66 (in key); Roger, 1863b: 29; Mayr, 1863: 395; Emery & Forel, 1879: 461; Emery, 1891b: 12; Dalla Torre, 1893: 99; Emery, 1921f: 69; Bolton, 1995b: 252.

Current subspecies: nominal plus *gallaoides*, *politus*, *sahlbergi*.

batnensis. *Messor lobicornis* var. *batnensis* Forel, 1909e: 371 (w.q.) ALGERIA.

Subspecies of *lobicornis*: Emery, 1921f: 74; Bolton, 1995b: 252.

Junior synonym of *lobicornis*: Barech, *et al.* 2020: 14.

beduinus. *Messor barbarus* st. *beduinus* Emery, 1922c: 93.

[First available use of *Messor barbarus* subsp. *striativentris* var. *beduina* Emery, 1908e: 453 (w.) TUNISIA; unavailable (infrasubspecific) name.]

Santschi, 1910a: 45 (q.); Santschi, 1926e: 234 (m.).

As unavailable (infrasubspecific) name: Santschi, 1910a: 45; Emery, 1921f: 72.

Subspecies of *barbarus*: Emery, 1924a: 7; Kutter, 1928: 66.

Status as species: Santschi, 1923a: 134; Santschi, 1923f: 320 (in text); Menozzi, 1934: 158; Finzi, 1940: 156; Bolton, 1995b: 252; Borowiec, L. 2014: 102 (error).

Junior synonym of *arenarius*: Cagniant, 2006a: 197; Barech, *et al.* 2020: 14.

berbericus. *Messor berbericus* Bernard, 1955a: 357, fig. 1B (w.) ALGERIA.

Cagniant & Espadaler, 1998: 423 (q.m.).

Status as species: Cagniant, 1968a: 143; Bernard, 1981b: 143; Cagniant, 1970a: 415; Bolton, 1995b: 252; Cagniant & Espadaler, 1998: 423; Cagniant, 2006a: 197; Borowiec, L. 2014: 102; Barech, *et al.* 2020: 17.

bernardi. *Messor bernardi* Cagniant, 1967a: 131, figs. 1-11 (w.q.m.) ALGERIA.

Status as species: Cagniant, 1968a: 142; Cagniant, 1970a: 415; Bolton, 1995b: 252; Borowiec, L. 2014: 103; Barech, *et al.* 2020: 17.

binodis. *Formica binodis* Fabricius, 1775: 393 (w.) EGYPT.

[Unresolved junior primary homonym of *Formica binodis* Linnaeus, 1763: 413 (Bolton, 1995b: 252).]

[Note: Fabricius, 1775: 393, refers to this as Forskål material. It may therefore be the same as *Formica binodis* Forskål, 1775: xxiii.]

Combination in *Atta*: Latreille, 1809: 130;

combination in *Aphaenogaster*: Roger, 1863b: 29.

Status as species: Forskål, 1775: xxiii; Fabricius, 1782: 491; Fabricius, 1787: 309; Gmelin, 1790: 2798; Christ, 1791: 506; Olivier, 1792: 496; Fabricius, 1793: 357; Latreille, 1802c: 285; Fabricius, 1804: 405.

Subspecies of *barbarus*: Emery & Forel, 1879: 461.

Junior synonym of *barbarus*: Smith, F. 1858b: 162; Mayr, 1861: 66 (in key); Smith, F. 1861a: 35; Mayr, 1863: 395; Roger, 1863b: 29; André, 1874: 203 (in list); Emery, 1891b: 12; Dalla Torre, 1893: 99; Ruzsky, 1905b: 741; Emery, 1921f: 69; Bolton, 1995b: 252.

bodenheimeri. *Messor rugosus* subsp. *bodenheimeri* Menozzi, 1933b: 54 (w.) ISRAEL.

Subspecies of rugosus: Bernard, 1955a: 361 (in key); Bolton, 1995b: 253; Vonshak, *et al.* 2009: 42.

bouvieri. *Messor bouvieri* Bondroit, 1918: 154, fig. 75 (s.w.) FRANCE.

Baroni Urbani, 1964b: 31 (q.).

As unavailable (infrasubspecific) name: Emery, 1921f: 72; Emery, 1922c: 94; Wheeler, W.M. 1926: 3; Kutter, 1927: 99; Santschi, 1927c: 237; Finzi, 1929: 89; Santschi, 1932c: 70.

Subspecies of instabilis: Santschi, 1925g: 343; Menozzi, 1926b: 181; Donisthorpe, 1926a: 7.

Junior synonym of *sanctus*: Bernard, 1956b: 258; Bernard, 1967: 148.

Subspecies of sanctus: Baroni Urbani, 1964b: 30; Baroni Urbani, 1968b: 430; Baroni Urbani, 1971c: 65.

Status as species: Collingwood & Yarrow, 1969: 63; Collingwood, 1978: 81 (in key); Schembri & Collingwood, 1981: 426; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); De Haro & Collingwood, 1994: 99; Bolton, 1995b: 253; Poldi, *et al.* 1995: 3; Espadaler, 1997b: 30; Collingwood & Prince, 1998: 14 (in key); Petrov, 2006: 91 (in key); Casevitz-Weulersse & Galkowski, 2009: 489; Legakis, 2011: 9; Borowiec, L. & Salata, 2012: 512 Borowiec, L. 2014: 103; Lebas, *et al.* 2016: 292.

Material of the unavailable name *grandiceps* referred here by Collingwood, 1978: 68; Bolton, 1995b: 253.

boyeri. *Messor boyeri* Cagniant, 2006b: 9, figs. 1-3 (w.q.m.) MOROCCO.

Status as species: Borowiec, L. 2014: 103; Barech, *et al.* 2020: 17.

braunsi. *Messor braunsi* Forel, 1913a: 138 (w.) SOUTH AFRICA.

Stitz, 1923: 149 (q.).

Status as species: Arnold, 1920a: 413; Emery, 1921f: 73; Wheeler, W.M. 1922a: 804; Stitz, 1923: 149.

Junior synonym of *capensis*: Bolton, 1982: 345; Bolton, 1995b: 253.

brevispinosus. *Messor aegyptiacus* var. *brevispinosus* Santschi, 1923f: 322.

[First available use of *Messor barbarus* r. *striaticeps* var. *brevispinosus* Stitz, 1917: 344 (w.) MOROCCO; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1921f: 72.

Subspecies of *aegyptiacus*: Santschi, 1934f: 166; Cagniant, 1970a: 416; Bolton, 1995b: 253.

Subspecies of *foreli*: Cagniant & Espadaler, 1998: 428; Cagniant, 2006a: 197; Barech, *et al.* 2020: 15.

Status as species: Borowiec, L. 2014: 103 (error).

brunneicorne. *Stenamma (Messor) aciculatum* var. *brunneicorne* Forel, 1901h: 60 (w.) JAPAN.

Combination in *Messor*: Emery, 1908e: 459.

Subspecies of *aciculatus*: Wheeler, W.M. 1906c: 315.

Status as species: Emery, 1908e: 459; Emery, 1921f: 73; Chapman & Capco, 1951: 137.

Junior synonym of *aciculatus*: Yano, 1910: 420; Wheeler, W.M. 1928c: 9 (in text); Wheeler, W.M. 1928d: 107 (in text); Arnol'di, 1977b: 1645 (in key); Onoyama, 1980: 197; Bolton, 1995b: 253; Park & Kim, 2000: 109; Imai, *et al.* 2003: 160.

brunni. *Messor denticornis* var. *brunni* Forel, 1910e: 444 (w.) NAMIBIA.

Subspecies of *denticornis*: Arnold, 1920a: 413; Emery, 1921f: 74; Wheeler, W.M. 1922a: 806.

Junior synonym of *denticornis*: Bolton, 1982: 349; Bolton, 1995b: 253.

***buettikeri*.** *Messor buettikeri* Collingwood, 1985: 249, fig. 22 (w.q.m.) SAUDI ARABIA.

Status as species: Bolton, 1995b: 253; Collingwood & Agosti, 1996: 316; Borowiec, L. 2014: 103.

bugnioni. *Stenamma (Messor) bugnioni* Forel, 1904c: 13 (w.) ALGERIA.

Junior synonym of *arenarius*: Forel, 1904f: 424; Emery, 1908e: 439; Emery, 1921f: 69; Bolton, 1995b: 253.

***caducus*.** *Formica caduca* Victor, 1839: 47, pl. 2, fig. d (w.) ARMENIA.

Combination in *Atta*: Mayr, 1863: 395;

combination in *Aphaenogaster*: Roger, 1863b: 29;

combination in *Stenamma (Messor)*: Emery, 1895a: 179; Emery, 1898c: 125;

combination in *Messor*: Ruzsky, 1905b: 754.

Junior synonym of *barbarus*: Roger, 1863b: 29; Mayr, 1863: 395; Emery & Forel, 1879: 461; Nasonov, 1889: 37.

Junior synonym of *semirufus*: Emery, 1921f: 72.

Subspecies of *barbarus*: Emery, 1891b: 12; Emery, in Dalla Torre, 1893: 100 (footnote); Emery, 1895a: 179; Emery, 1897e: 597; Emery, 1898c: 139.

Status as species: Dalla Torre, 1893: 100; Ruzsky, 1902d: 28; Ruzsky, 1905b: 754; Kolossov, 1932: 118; Arnol'di, 1977b: 1638, 1641 (in key); Schembri & Collingwood, 1981: 426; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); Baroni Urbani, Aktaç & Camiltepe, 1989: 291; Atanassov & Dlussky, 1992: 121; Arakelian, 1994: 34; Bolton, 1995b: 253; Schembri & Collingwood, 1995: 154; Petrov, 2006: 92 (in key); Gratiashvili & Barjadze, 2008: 139; Paknia, *et al.* 2008: 154; Lush, 2009: 114; Lapeva-Gjonova, *et al.* 2010: 14; Legakis, 2011: 9; Borowiec, L. & Salata, 2012: 512; Kiran & Karaman, 2012: 19; Borowiec, L. 2014: 103 (see note in bibliography); Lebas, *et al.* 2016: 300; Bračko, 2019: 172; Khalili-Moghadam, *et al.* 2019: 172.

Senior synonym of *caucasicola*: Arakelian, 1994: 34; Bolton, 1995b: 253; Gratiashvili & Barjadze, 2008: 139.

Material of the unavailable name *semirubra* referred here by Arnol'di, 1977b: 1638; Arakelian, 1994: 35; Bolton, 1995b: 253.

Current subspecies: nominal plus *glabrescens*.

calabricus. *Messor minor* var. *calabricus* Santschi, 1927c: 234 (w.) ITALY.

Subspecies of minor: Finzi, 1929: 85; Baroni Urbani, 1964c: 151; Baroni Urbani, 1971c: 62; Bolton, 1995b: 253; Poldi, et al. 1995: 3.

canaliculatus. *Messor aegyptiacus* subsp. *canaliculatus* Donisthorpe, 1944a: 1, fig. 1 (s.w.) ALGERIA.

Subspecies of aegyptiacus: Bolton, 1995b: 253.

capensis. *Atta capensis* Mayr, 1862: 743 (w.) SOUTH AFRICA.

Mayr, 1866b: 896 (q.m.).

Combination in *Aphaenogaster*: Roger, 1863b: 30;

combination in *Stenamma (Messor)*: Emery, 1895h: 35;

combination in *Messor*: Forel, 1910e: 444.

Subspecies of barbarus: Emery, 1891b: 12; Emery, in Dalla Torre, 1893: 100 (footnote); Emery, 1895h: 35; Forel, 1910e: 444; Forel, 1910f: 15; Forel, 1911e: 266; Forel, 1914d: 242; Arnold, 1920a: 405; Emery, 1921f: 70; Emery, 1922c: 99; Stitz, 1923: 150; Arnold, 1960a: 82; Prins, 1963: 100.

Status as species: Roger, 1863b: 30; Mayr, 1863: 396; Mayr, 1865: 87 (redescription); Mayr, 1866b: 896; Dalla Torre, 1893: 101; Santschi, 1917e: 94; Wheeler, W.M. 1922a: 804; Bolton, 1982: 345 (redescription); Bolton, 1995b: 253.

Senior synonym of braunsi: Bolton, 1982: 345; Bolton, 1995b: 253.

Senior synonym of donisthorpei: Bolton, 1982: 345; Bolton, 1995b: 253.

Senior synonym of pseudoaegyptiaca: Bolton, 1982: 345; Bolton, 1995b: 253.

Senior synonym of schencki: Bolton, 1982: 345; Bolton, 1995b: 253.

capitatus. *Formica capitata* Latreille, 1798: 46 (w.) FRANCE.

Latreille, 1802c: 235 (q.); Mayr, 1855: 463 (m.).

Combination in *Manica*: Jurine, 1807: 279;

combination in *Myrmica*: Losana, 1834: 325;

combination in *Atta*: Latreille, 1809: 130; Leach, 1815: 147; Brullé, 1833: 327; Lepeletier de Saint-Fargeau, 1835: 173; Lucas, H. 1849: 300;

combination in *Aphaenogaster*: Roger, 1863b: 29;

combination in *Stenamma (Messor)*: Forel, 1902a: 148;

combination in *Aphaenogaster (Messor)*: Ruzsky, 1905b: 744;

combination in *Messor*: Emery, 1908e: 449.

As unavailable (infrasubspecific) name: Emery, 1921f: 69; Emery, 1922c: 97; Emery, 1924b: 12; Kutter, 1927: 98.

Junior synonym of *barbarus*: Smith, F. 1858b: 162; Mayr, 1861: 66 (in key); Smith, F. 1861a: 35; Roger, 1863b: 29; Mayr, 1863: 395; Dours, 1873: 167; André, 1874: 203 (in list); Emery & Forel, 1879: 461; Nasonov, 1889: 37.

Subspecies of barbarus: Emery, 1891b: 12; Emery, in Dalla Torre, 1893: 100 (footnote); Emery, 1893c: 84; Forel, 1894d: 31; Forel, 1902a: 148; Forel, 1904b: 373; Forel, 1904c: 5; Forel, 1905b: 176; Ruzsky, 1905b: 744; Forel, 1906c: 190; Forel, 1907b: 204; Forel, 1907e: 15; Emery, 1908e: 449; Forel, 1909c: 104; Forel, 1909e: 371; Karavaiev, 1910b: 62; Karavaiev, 1912a: 7; Emery, 1912f: 97; Emery, 1916b: 142; Stitz, 1917: 343; Santschi, 1919e: 244; Menozzi, 1922b: 326; Ruzsky, 1923: 4; Santschi, 1923f: 325; Finzi, 1924a: 13; Santschi, 1925g: 341; Santschi, 1926f: 286; Finzi, 1929: 80; Cori & Finzi, 1931: 238; Santschi, 1931a: 4; Santschi, 1932g: 3; Finzi, 1933: 163; Grandi, 1935:

100; Zimmermann, 1935: 17; Menozzi, 1936d: 276; Finzi, 1940: 159; Consani & Zangheri, 1952: 40; Ceballos, 1956: 301.

Status as species: Latreille, 1802c: 234; Jurine, 1807: 279; Latreille, 1809: 130; Leach, 1815: 147; Brullé, 1833: 327; Losana, 1834: 325; Lepeletier de Saint-Fargeau, 1835: 173; Brullé, 1840: 84; Lucas, H. 1849: 300; Schenck, 1852: 135; Mayr, 1855: 462 (redescription); Nylander, 1856b: 83; Mayr, 1866b: 896; Dalla Torre, 1893: 101; Bondroit, 1918: 153; Lomnicki, 1925b: 2; Baroni Urbani, 1964b: 40; Baroni Urbani, 1964c: 150; Cagniant, 1966b: 279; Bernard, 1967: 147 (redescription); Baroni Urbani, 1968b: 427; Cagniant, 1968a: 143; Baroni Urbani, 1969a: 331; Collingwood & Yarrow, 1969: 62; Cagniant, 1970a: 416; Baroni Urbani, 1971c: 57; Baroni Urbani, 1974: 232; Collingwood, 1978: 81 (in key); Bernard, 1980: 266; Schembri & Collingwood, 1981: 425; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); Casevitz-Weulersse, 1990b: 156 (in key); De Haro & Collingwood, 1994: 99; Bolton, 1995b: 253; Mei, 1995: 761; Poldi, *et al.* 1995: 3; Espadaler, 1997b: 30; Cagniant & Espadaler, 1998: 423; Markó & Csösz, 2002: 116; Bračko, 2006: 137; Cagniant, 2006a: 197; Petrov, 2006: 93 (in key); Bračko, 2007: 17; Casevitz-Weulersse & Galkowski, 2009: 489; Lapeva-Gjonova, *et al.* 2010: 15; Karaman, M.G. 2011b: 36; Legakis, 2011: 9; Borowiec, L. & Salata, 2012: 512; Borowiec, L. 2014: 103; Bračko, *et al.* 2014: 14; Lebas, *et al.* 2016: 294.

Senior synonym of *galbula*: Emery, 1921f: 70; Bolton, 1995b: 253.

Senior synonym of *huberiana*: Emery, 1921f: 70; Bolton, 1995b: 253.

Senior synonym of *nigra*: Menozzi, 1921: 26; Emery, 1922c: 97; Finzi, 1924a: 13; Finzi, 1929: 80; Cori & Finzi, 1931: 238; Zimmermann, 1935: 17; Bernard, 1967: 147; Baroni Urbani, 1971c: 58; Collingwood, 1978: 68; Bolton, 1995b: 253; Casevitz-Weulersse & Galkowski, 2009: 489.

Current subspecies: nominal plus *nigricans* Santschi, 1929f.

***capreensis*.** *Messor minor* var. *capreensis* Santschi, 1927c: 234, fig. 17 (w.) ITALY (Capri I.).

As unavailable (infrasubspecific) name: Baroni Urbani, 1971c: 62.

Subspecies of *minor*: Finzi, 1929: 86; Santschi, 1934d: 273; Bolton, 1995b: 253; Poldi, *et al.* 1995: 3.

***carpathous*.** *Messor oertzeni* var. *carpathous* Menozzi, 1936d: 277, fig. VI, 2 (w.) GREECE (Scarpanto I.).

Subspecies of *oertzeni*: Bolton, 1995b: 253; Legakis, 2011: 9.

Status as species: Salata & Borowiec, 2018c: 46; Salata & Borowiec, 2019a: 54 (redescription).

***carthaginensis*.** *Messor carthaginensis* Bernard, 1980: 268, fig. 2CT (w.) TUNISIA.

Status as species: Bernard, 1981b: 143; Bolton, 1995b: 253.

Junior synonym of *santschii*: Cagniant & Espadaler, 1998: 433; Barech, *et al.* 2020: 13.

***caucasicola*.** *Messor caducus* subsp. *caucasicola* Arnol'di, 1977b: 1639 (w.q.m.) GEORGIA.

Junior synonym of *caducus*: Arakelian, 1994: 34; Bolton, 1995b: 253; Gratiashvili & Barjadze, 2008: 139.

***caviceps*.** *Stenamma (Messor) caviceps* Forel, 1902a: 149 (w.) ALGERIA.

Combination in *Messor*: Emery, 1908e: 457.

Status as species: Emery, 1908e: 457; Emery, 1921f: 73; Délye, 1964: 165; Cagniant, 1970a: 416; Bolton, 1995b: 253; Cagniant & Espadaler, 1998: 433; Cagniant, 2006a: 197; Borowiec, L. 2014: 104; Barech, *et al.* 2020: 15.

Senior synonym of *planiceps*: Délye, 1964: 165; Cagniant & Espadaler, 1998: 432.

***celiae*.** *Messor celiae* Reyes, 1985: 255, figs. 1-3 (w.m.) SPAIN.

Status as species: Bolton, 1995b: 253; Borowiec, L. 2014: 104; Lebas, *et al.* 2016: 292.

***cephalotes*.** *Stenamma (Messor) barbarum* subsp. *cephalotes* Emery, 1895a: 179 (w.) ETHIOPIA.

Menozzi, 1939c: 102 (q.m.).

Combination in *Messor*: Emery, 1908e: 443;

combination in *Sphaeromessor*: Bernard, 1985: 48;

combination in *Messor*: Bolton, 1995b: 253.

Subspecies of *barbarus*: Emery, 1897e: 597; Forel, 1901h: 61; Mayr, 1907b: 14.

Status as species: Emery, 1908e: 443; Emery, 1921f: 73; Wheeler, W.M. 1922a: 805; Menozzi, 1939c: 102; Menozzi & Consani, 1952: 62; Bolton, 1982: 346 (redescription); Bolton, 1995b: 253; Hita Garcia, *et al.* 2013: 212.

Senior synonym of *plinii*: Bolton, 1982: 346; Bolton, 1995b: 253.

***ceresis*.** *Messor ceresis* Santschi, 1934d: 274 (w.) LEBANON.

Status as species: Bolton, 1995b: 253; Collingwood & Agosti, 1996: 316; Nezhad, *et al.* 2012: 68; Borowiec, L. 2014: 104.

chamberlini Wheeler, W.M. 1915; see under **VEROMESSOR**.

***clivorum*.** *Aphaenogaster (Messor) structor* var. *clivorum* Ruzsky, 1905b: 735 (s.w.) RUSSIA, MOLDOVA.

Emery, 1921b: 211 (footnote) (q.); Karavaiev, 1927a: 286 (q.m.).

Combination in *Messor*: Emery, 1908e: 454.

As unavailable (infrasubspecific) name: Santschi, 1923f: 320; Karavaiev, 1927a: 286; Karavaiev, 1927c: 261 (in key); Karavaiev, 1934: 108.

Subspecies of *barbarus*: Emery, 1908e: 454; Forel, 1910a: 24; Forel, 1911d: 347; Emery, 1912f: 96; Emery, 1915h: 1; Santschi, 1917e: 92; Emery, 1921f: 70; Chapman & Capco, 1951: 136.

Junior synonym of *structor*: Dlussky, Soyunov & Zabelin, 1990: 224; Atanassov & Dlussky, 1992: 114; Arakelian, 1994: 38; Bolton, 1995b: 253; Gratiashvili & Barjadze, 2008: 139; Legakis, 2011: 11; Kiran & Karaman, 2012: 20; Radchenko, 2016: 171.

Status as species: Emery, 1921b: 210 (footnote); Schkaff, 1925: 274; Arnol'di, 1948: 211 (in list); Dlussky, 1962: 179; Tarbinsky, 1976: 56 (redescription); Hamann & Klemm, 1976: 671; Arnol'di, 1977b: 1639, 1644 (in key); Arnol'di & Dlussky, 1978: 537 (in key); He & Song, 2009: 722; Steiner, Csösz, *et al.* 2018: supplementary material, 6.

Current subspecies: nominal plus *sevani*.

***clypeatus*.** *Messor similis* var. *clypeatus* Kuznetsov-Ugamsky, 1927a: 93 (in key) (w.) KAZAKHSTAN.

As unavailable (infrasubspecific) name: Santschi, 1927d: 248.

Subspecies of *rufus*: Kuznetsov-Ugamsky, 1929d: 9.

Status as species: Arnol'di, 1977b: 1646 (in key); Dlussky, 1981a: 17; Bolton, 1995b: 253.

***collingwoodi*.** *Messor collingwoodi* Bolton, 1982: 346, fig. 30 (w.) NIGER, MALI.

Status as species: Bolton, 1995b: 253.

***concolor*.** *Messor semirufus* var. *concolor* Santschi, 1927c: 229.

[First available use of *Messor barbarus* subsp. *semirufus* var. *concolor* Emery, 1908e: 448 (s.w.m.) SYRIA, GREECE (Crete I.); unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1915h: 1; Wheeler, W.M. & Mann, 1916: 170; Emery, 1921f: 72; Santschi, 1921a: 110.

Subspecies of *semirufus*: Baroni Urbani, 1964a: 1; Hamann & Klemm, 1976: 671.

Junior synonym of *semirufus*: Baroni Urbani, 1974: 227.

Junior synonym of *wasmanni*: Collingwood & Agosti, 1996: 322; Kiran & Karaman, 2012: 21; Borowiec, L. & Salata, 2013: 385 (in text).

Status as species: Tohmé, G. & Tohmé, H. 1981: 143; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); Bolton, 1995b: 253; Markó & Csösz, 2002: 116; Paknia, *et al.* 2008: 154; Vonshak, *et al.* 2009: 42; Lapeva-Gjonova, *et al.* 2010: 15; Legakis, 2011: 10; Borowiec, L. & Salata, 2012: 513; Tohmé, G. & Tohmé, 2014: 134; Salata & Borowiec, 2018c: 46; Salata & Borowiec, 2019a: 56 (redescription).

crawleyi. *Messor rugosus* st. *crawleyi* Santschi, 1928f: 203 (w.) EGYPT.

Subspecies of *rugosus*: Finzi, 1936: 159; Bolton, 1995b: 253.

Status as species: Collingwood & Agosti, 1996: 316; Borowiec, L. 2014: 104.

creticus. *Messor creticus* Salata & Borowiec, 2019a: 58, figs. 9-12 (s.w.) GREECE (Crete I.).

curvispina. *Messor barbarus* subsp. *striaticeps* var. *curvispina* Karavaiev, 1912a: 10 (s.w.) ALGERIA; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Stitz, 1917: 343; Emery, 1921f: 72.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 253.

Material referred to *striatulus* by Santschi, 1923f: 321 (in text).

darianus. *Messor rufitarsis* subsp. *darianus* Pisarski, 1967: 383.

[First available use of *Messor structor* st. *rufitarsis* var. *darianus* Santschi, 1926f: 291 (w.) UZBEKISTAN; unavailable (infrasubspecific) name.]

[Misspelled as *dariagus* by He & Song, 2009: 724.]

As unavailable (infrasubspecific) name: Santschi, 1927d: 247; Kuznetsov-Ugamsky, 1929d: 22.

Material referred to *structor* by Kuznetsov-Ugamsky, 1927a: 92 (in key).

Subspecies of *rufitarsis* Fabricius: Tarbinsky, 1976: 54; Dlussky, 1981a: 17; He & Song, 2009: 724.

Status as species: Schultz, R. *et al.* 2006: 203.

Synonym of *turanicus*: Santschi, 1927d: 247; Pisarski, 1967: 383; Pisarski, 1970: 306; Tarbinsky, 1976: 54; Arnol'di, 1977b: 1644 (in key).

[Note: Santschi, Pisarski, Tarbinsky, and Arnol'di, all give *darianus* as senior synonym, but *turanicus* has priority (Bolton, 1995b: 253).]

Junior synonym of *structor*: Dlussky, Soyunov & Zabelin, 1990: 224; Radchenko, 2016: 171.

decipiens. *Messor capensis* st. *decipiens* Santschi, 1917e: 94.

[First available use of *Stenamma (Messor) barbarum* r. *capense* var. *decipiens* Forel, 1905b: 177 (w.q.) SOUTH AFRICA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Forel, 1910f: 15; Forel, 1911e: 266; Arnold, 1920a: 410; Emery, 1921f: 70; Emery, 1922c: 99.

Subspecies of *capensis*: Wheeler, W.M. 1922a: 805.

Status as species: Bolton, 1982: 348 (redescription); Collingwood, 1985: 249; Bolton, 1995b: 253; Collingwood & Agosti, 1996: 317; Borowiec, L. 2014: 104.

Senior synonym of *arcistriatus*: Bolton, 1982: 348; Bolton, 1995b: 253.

Senior synonym of *probus*: Bolton, 1982: 348; Bolton, 1995b: 253.

dentatus. *Messor semirufus* var. *dentatus* Santschi, 1927c: 228.

[First available use of *Messor barbarus* subsp. *semirufus* var. *dentata* Forel, 1910a: 10 (w.q.m.) ISRAEL; unavailable (infrasubspecific) name.]

Menozzi, 1933b: 54 (q.).

As unavailable (infrasubspecific) name: Forel, 1911d: 346; Emery, 1921f: 72; Emery, 1922c: 97.

Subspecies of *semirufus*: Menozzi, 1933b: 53; Aktaç, 1977: 120.

Junior synonym of *semirufus*: Baroni Urbani, 1974: 227.

Status as species: Tohmé, G. & Tohmé, H. 1981: 143; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); Kugler, J. 1988: 257; Bolton, 1995b: 253; Petrov, 2006: 92 (in key); Paknia, *et al.* 2008: 154; Vonshak, *et al.* 2009: 42; Kiran & Karaman, 2012: 19; Borowiec, L. 2014: 104; Tohmé, G. & Tohmé, 2014: 134; Borowiec, L. & Salata, 2020: 10.

***denticornis*.** *Messor denticornis* Forel, 1910f: 14 (w.q.m.) NAMIBIA.

Status as species: Arnold, 1920a: 411; Emery, 1921f: 74; Wheeler, W.M. 1922a: 806; Stitz, 1923: 148; Bolton, 1982: 349 (redescription); Marsh, 1986: 341; Bolton, 1995b: 253.

Senior synonym of *brunni*: Bolton, 1982: 349; Bolton, 1995b: 253.

Senior synonym of *parvidens*: Bolton, 1982: 349; Bolton, 1995b: 253.

denticulatus. *Messor minor* st. *denticulatus* Santschi, 1927d: 247 (date of publication 10.xi.1927).

[First available use of *Messor barbarus* subsp. *meridionalis* var. *denticulatus* Kuznetsov-Ugamsky, 1927a: 90 (in key) (w.) KYRGYZSTAN, TURKMENISTAN (date of publication (30).iv.1927); unavailable (infrasubspecific) name.]

Subspecies of *barbarus*: Kuznetsov-Ugamsky, 1929d: 18.

Synonym of *laboriosus*: Santschi, 1927d: 247; Kuznetsov-Ugamsky, 1929d: 18; Arnol'di, 1977b: 1641 (in key); Dlussky, Soyunov & Zabelin, 1990: 220.

[Note: Santschi, Kuznetsov-Ugamsky, Arnol'di, and Dlussky, *et al.*, all give *denticulatus* as senior synonym, but *laboriosus* has priority.]

Status as species: Tarbinsky, 1976: 61 (redescription); Arnol'di, 1977b: 1641 (in key); Arnol'di & Dlussky, 1978: 537 (in key); Dlussky, 1981a: 17; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); Dlussky, Soyunov & Zabelin, 1990: 219; Collingwood, 1993b: 194; Bolton, 1995b: 253; Petrov, 2006: 92 (in key); Schultz, R. *et al.* 2006: 206; Paknia, *et al.* 2008: 155; Borowiec, M.L. *et al.* 2009: 378; Lush, 2009: 114; Vonshak, *et al.* 2009: 42; Karaman, M.G. 2011b: 37; Legakis, 2011: 10; Borowiec, L. & Salata, 2012: 513; Guénard & Dunn, 2012: 45; Kiran & Karaman, 2012: 19; Borowiec, L. 2014: 105.

Material of the unavailable name *glabriusculus* referred here by Dlussky, Soyunov & Zabelin, 1990: 220; Bolton, 1995b: 253.

***dentiscapus*.** *Messor barbarus* var. *dentiscapus* Finzi, 1930b: 15.

[First available use of *Messor barbarus* subsp. *capitatus* var. *dentiscapa* Forel, 1909e: 371 (w.) ALGERIA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1921f: 72; Emery, 1922c: 97; Santschi, 1925g: 342 (in key); Santschi, 1931a: 4.

Material referred to *politus* by Emery, 1922c: 97, Santschi, 1925g: 342 (in key); hence *dentiscapus* junior synonym of *politus* as the latter has priority (Bolton, 1995b: 253).

***desertora*.** *Messor desertora* He & Song, 2009: 722, figs. 1, 2 (w.) CHINA (Inner Mongolia).

Status as species: Guénard & Dunn, 2012: 45.

diabarensis. *Messor diabarensis* Arnol'di, 1970a: 75, fig. 2(1,2) (s.q.m.) AZERBAIJAN.

[*Messor structor* subsp. *diabarensis* Arnol'di, 1948: 211 (in list). *Nomen nudum*.]

Status as species: Arnol'di, 1977b: 1643 (in key); Bolton, 1995b: 253.

diabolus. *Messor arenarius* var. *diabolus* Santschi, 1938a: 35, fig. 5 (w.) EGYPT.

Subspecies of *arenarius*: Bolton, 1995b: 254.

donisthorpei. *Messor donisthorpei* Santschi, 1937a: 51 (w.q.) NAMIBIA.

Junior synonym of *capensis*: Bolton, 1982: 345; Bolton, 1995b: 254.

ebeninus. *Messor semirufus* var. *ebeninus* Santschi, 1927c: 229.

[First available use of *Messor barbarus* subsp. *semirufus* var. *ebenina* Forel, 1910a: 10 (w.) LEBANON, ISRAEL; unavailable (infrasubspecific) name.]

Finzi, 1936: 160 (q.); Tohmé, G. 1971: 573 (m.).

As unavailable (infrasubspecific) name: Forel, 1913d: 427; Crawley, 1920a: 164; Emery, 1921f: 72; Emery, 1922c: 97.

Subspecies of *semirufus*: Menozzi, 1933b: 52; Finzi, 1936: 160; Santschi, 1938a: 31.

Junior synonym of *semirufus*: Baroni Urbani, 1974: 227.

Status as species: Tohmé, G. 1971: 569 (redescription); Tohmé, G. 1975: 171; Tohmé, G. & Tohmé, H. 1981: 142; Collingwood, 1985: 249; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); Kugler, J. 1988: 257; Bolton, 1995b: 254; Collingwood & Agosti, 1996: 317; Mohamed, Zalat, *et al.* 2001: 51; Petrov, 2006: 92 (in key); Paknia, *et al.* 2008: 155; Lush, 2009: 114; Vonshak, *et al.* 2009: 42; Collingwood, *et al.* 2011: 426; Karaman, M.G. 2011b: 37; Legakis, 2011: 10; Borowiec, L. & Salata, 2012: 513; Kiran & Karaman, 2012: 19; Sharaf, Abdel-Dayem, *et al.* 2013: 572; Borowiec, L. 2014: 105; Tohmé, G. & Tohmé, 2014: 134.

eglalae. *Messor eglalae* Sharaf, in Fadl *et al.* 2007: 239, figs. 5, 6 (w.) EGYPT.

Status as species: Borowiec, L. 2014: 105.

emeryi. *Messor semirufus* var. *emeryi* Santschi, 1927c: 247 (w.) ISRAEL.

Subspecies of *semirufus*: Bolton, 1995b: 254; Vonshak, *et al.* 2009: 42.

erectus. *Messor erectus* Espadaler, in Cagniant & Espadaler, 1998: 430, figs. 26, 41 (w.m.) MOROCCO.

Status as species: Cagniant, 2006a: 197; Borowiec, L. 2014: 105; Barech, *et al.* 2020: 16.

excursionis. *Aphaenogaster (Messor) lobuliferus* var. *excursionis* Ruzsky, 1905b: 739 (w.) KAZAKHSTAN, TURKMENISTAN.

[Misspelled as *excursionus* by He & Song, 2009: 723.]

Arnol'di, 1970a: 86 (q.m.).

Subspecies of *lobulifera*: Emery, 1908e: 459 (footnote).

Status as species: Karavaiev, 1910b: 68; Ruzsky, 1915a: 442; Emery, 1921f: 74; Ruzsky, 1923: 4; Kuznetsov-Ugamsky, 1927a: 94 (in key); Kuznetsov-Ugamsky, 1929d: 12; Stärcke, 1935: 262; Chapman & Capco, 1951: 137; Pisarski, 1967: 382; Arnol'di, 1970a: 86; Arnol'di, 1977b: 1646 (in key); Dlussky, 1981a: 17; Dlussky, Soyunov & Zabelin, 1990: 221; Bolton, 1995b: 254; Schultz, R. *et al.* 2006: 206; Pfeiffer, *et al.* 2007: 4; He & Song, 2009: 723; Paknia, *et al.* 2010: 32; Guénard & Dunn, 2012: 45; Borowiec, L. 2014: 105 (see note in bibliography).

Current subspecies: nominal plus *alaschanicus*, *fraternus*, *sillemi*.

falcistriæ. *Messor aegyptiacus* st. *striativentris* var. *falcistriæ* Santschi, 1939d: 70 (w.m.) ALGERIA; unavailable (infrasubspecific) name.

[*Messor striativentris* var. *falcistriae* Cagniant, 1970a: 416; unavailable name (variety proposed after 1960).]

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 254.

Material referred to *striativentris* by Cagniant & Espadaler, 1998: 429; referred to *striatulus* by Barech, *et al.* 2020: 17.

***felah*.** *Messor aegyptiacus* var. *felah* Santschi, 1923f: 321, fig. 1 (s.w.) EGYPT.

Subspecies of *aegyptiacus*: Finzi, 1936: 158; Santschi, 1938a: 31; Bolton, 1995b: 254; Vonshak, *et al.* 2009: 42.

***ferreri*.** *Messor ferreri* Collingwood, 1993a: 229, figs. 13-15 (w.) KENYA.

Status as species: Bolton, 1995b: 254; Hita Garcia, *et al.* 2013: 212.

***fodorii*.** *Messor antennatus* var. *fodorii* Rösler, 1942a: 55 (w.) GREECE.

[Also described as new by Rösler, 1951: 92.]

Subspecies of *antennatus*: Bolton, 1995b: 254; Legakis, 2011: 10.

***foreli*.** *Messor aegyptiacus* var. *foreli* Santschi, 1923f: 322, fig. 1a,b (w.) TUNISIA, ALGERIA.

Subspecies of *aegyptiacus*: Santschi, 1928f: 203; Menozzi, 1929e: 125; Santschi, 1932f: 519; Menozzi, 1932c: 94; Finzi, 1936: 158; Santschi, 1936e: 81; Santschi, 1938a: 31; Finzi, 1940: 159; Bernard, 1948: 138; Bernard, 1953a: 142 (in key); Délye, 1960: 262; Cagniant, 1970a: 416.

Status as species: Bernard, 1981b: 143; Bolton, 1995b: 254; Collingwood & Agosti, 1996: 317; Cagniant & Espadaler, 1998: 428; Mohamed, Zalat, *et al.* 2001: 51; Cagniant, 2006a: 197; Collingwood, *et al.* 2011: 426; Borowiec, L. 2014: 105 (see note in bibliography); Borowiec, L. & Salata, 2020: 11; Barech, *et al.* 2020: 15.

Senior synonym of *fossulatus*: Cagniant & Espadaler, 1998: 428.

Current subspecies: nominal plus *brevispinosus*, *fossulatus*.

***fossulatus*.** *Messor aegyptiacus* var. *fossulatus* Santschi, 1923f: 323, fig. 1c,d (w.q.m.) TUNISIA, ALGERIA.

Subspecies of *aegyptiacus*: Menozzi, 1927g: 382; Menozzi, 1932e: 452; Menozzi, 1934: 158; Menozzi, 1940: 267; Finzi, 1940: 157; Bernard, 1953a: 142 (in key); Bolton, 1995b: 254; Barech, *et al.* 2020: 15.

Junior synonym of *foreli*: Cagniant & Espadaler, 1998: 428.

Senior synonym of *surcoufi*: Barech, *et al.* 2020: 15.

***fraternus*.** *Aphaenogaster (Messor) lobuliferus* var. *fraternus* Ruzsky, 1905b: 740 (w.) CHINA (Manchuria).

Subspecies of *lobulifera*: Emery, 1908e: 459 (footnote).

Status as species: Ruzsky, 1915a: 444; Ruzsky, 1936: 95; Bolton, 1995b: 254 (error).

Subspecies of *excursionis*: Emery, 1921f: 74; Chapman & Capco, 1951: 137.

galbula. *Myrmica galbula* Losana, 1834: 326, pl. 36, fig. 5 (w.) ITALY.

Combination in *Aphaenogaster*: Roger, 1863b: 29.

Status as species: Dalla Torre, 1893: 109.

Junior synonym of *barbarus*: Roger, 1863b: 29; Emery & Forel, 1879: 461.

Junior synonym of *capitatus*: Emery, 1921f: 70; Bolton, 1995b: 254.

***galla*.** *Stenamma (Messor) barbarum* var. *galla* Mayr, 1904b: 5.

[First available use of *Stenamma (Messor) barbarum* subsp. *caduca* var. *galla* Emery, 1895a: 179 (w.) ETHIOPIA; unavailable (infrasubspecific) name.]

Finzi, 1939a: 155 (q.m.).

Combination in *Messor*: Santschi, 1914d: 335.

As unavailable (infrasubspecific) name: Emery 1897e: 597; Forel, 1910c: 250; Karavaiev, 1911: 3; Emery, 1915g: 3; Wheeler, W.M. 1922a: 803; Viehmeyer, 1923: 87.

Subspecies of *barbarus*: Mayr, 1907b: 14; Santschi, 1910f: 234; Santschi, 1914d: 335; Santschi, 1917e: 92; Emery, 1921f: 70; Emery, 1922c: 98; Santschi, 1923a: 134; Weber, 1943c: 303.

Status as species: Santschi, 1923f: 326; Santschi, 1928f: 201; Finzi, 1939a: 155; Menozzi, 1930b: 81; Bernard, 1950b: 286; Bernard, 1980: 266; Bolton, 1982: 349 (redescription); Collingwood, 1985: 250; Bolton, 1995b: 254; Collingwood & Agosti, 1996: 317; Hita Garcia, *et al.* 2013: 212; Borowiec, L. 2014: 106; Madl, 2019: 15; Borowiec, L. & Salata, 2020: 11; Barech, *et al.* 2020: 18.

Senior synonym of *airensis*: Bolton, 1982: 350; Bolton, 1995b: 254.

Senior synonym of *latinoda*: Viehmeyer, 1923: 87; Bolton, 1982: 350; Bolton, 1995b: 254.

Senior synonym of *nobilis*: Bolton, 1982: 350; Bolton, 1995b: 254; Barech, *et al.* 2020: 18.

Senior synonym of *obscurus*: Fisher & Bolton, 2016: 317; Barech, *et al.* 2020: 18.

Senior synonym of *rufula*: Bolton, 1982: 350; Bolton, 1995b: 254.

Senior synonym of *triempressa*: Bolton, 1982: 350; Bolton, 1995b: 254.

Material of the unavailable names *armata*, *rufa* referred here by Bolton, 1982: 350, 349 (respectively); Bolton, 1995b: 254.

***gallaoides*.** *Messor barbarus* var. *gallaoides* Santschi, 1929e: 141 (s.) MOROCCO.

[Misspelled as *galloides* by Cagniant, 1970a: 416.]

Subspecies of *barbarus*: Cagniant, 1970a: 416; Bolton, 1995b: 254; Cagniant, 2006a: 197; Barech, *et al.* 2020: 18.

Senior synonym of *nigricans* Santschi, 1929e: 142: Cagniant, 2006a: 197.

***gallica*.** *Messor barbarus* subsp. *rufitarsis* var. *gallica* Emery, 1921b: 212 (w.) TURKEY; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Santschi, 1926f: 291.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 254.

***glabrescens*.** *Messor caducus* subsp. *glabrescens* Arnol'di, 1977b: 1639 (w.) RUSSIA (Daghestan).

Subspecies of *caducus*: Bolton, 1995b: 254.

***glabriusculus*.** *Messor barbarus* subsp. *meridionalis* var. *glabriusculus* Kuznetsov-Ugamsky, 1927a: 90 (w.) TURKMENISTAN; unavailable (infrasubspecific) name.

[Misspelled as *gabriusculus* by Santschi, 1927d: 247.]

As unavailable (infrasubspecific) name: Santschi, 1927d: 247; Kuznetsov-Ugamsky, 1929d: 19.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 254.

Material referred to *denticulatus* by Dlussky, Soyunov & Zabelin, 1990: 220.

***gracilinodis*.** *Aphaenogaster gracilinodis* Emery, 1878b: 55 (footnote) (w.) SYRIA.

Subspecies of *rufotestaceus*: Emery, 1880: 395 (footnote).

Junior synonym of *rufotestaceus*: Dalla Torre, 1893: 104; Emery, 1921f: 74; Menozzi, 1933b: 56; Bolton, 1995b: 254; Mohamed, Zalat, *et al.* 2001: 52.

***grandiceps*.** *Messor barbarus* r. *capitatus* var. *grandiceps* Stitz, 1917: 343 (w.) SPAIN; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Emery, 1921f: 72; Emery, 1922c: 97.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 254.

Material referred to *bouvieri* by Collingwood, 1978: 68.

grandinidus. *Messor barbarus* subsp. *grandinida* Emery, 1912f: 98.

[First available use of *Messor barbarus* st. *meridionalis* var. *grandinida* Santschi, 1910a: 43 (w.q.m.) TUNISIA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Santschi, 1917e: 90; Stitz, 1917: 343.

Subspecies of barbarus: Emery, 1921f: 70; Emery, 1922c: 95; Emery, 1924a: 7; Kutter, 1928: 66.

Subspecies of semirufus: Menozzi, 1927g: 379; Santschi, 1927c: 231; Santschi, 1929e: 142; Finzi, 1930b: 15; Menozzi, 1940: 267; Finzi, 1940: 158; Menozzi, 1934: 158; Bolton, 1995b: 254.

Status as species: Cagniant & Espadaler, 1998: 427; Cagniant, 2006a: 197; Borowiec, L. 2014: 106; Barech, *et al.* 2020: 15.

Material of the unavailable name *mixtus* referred her by Barech, *et al.* 2020: 15.

hamulifera. *Messor barbarus* subsp. *hamulifera* Karavaiev, 1926b: 99 (s.w.) AZERBAIJAN.

[Misspelled as *hamiliferus* by Arnol'di, 1948: 211 (in list).]

Status as species: Arnol'di, 1948: 211 (in list).

Junior synonym of *incorruptus*: Arnol'di, 1977b: 1640; Arakelian, 1994: 38; Bolton, 1995b: 254.

hebraeus. *Messor semirufus* var. *hebraeus* Santschi, 1927c: 229, fig. 7 (w.) ISRAEL.

Subspecies of semirufus: Menozzi, 1933b: 52; Santschi, 1939c: 6.

Junior synonym of *semirufus*: Baroni Urbani, 1974: 227.

Status as species: Tohmé, G. & Tohmé, H. 1981: 143; Bolton, 1995b: 254; Vonshak, *et al.* 2009: 42; Borowiec, L. 2014: 106; Tohmé, G. & Tohmé, 2014: 134.

hellenius. *Messor hellenius* Agosti & Collingwood, 1987a: 54.

[First available use of *Messor barbarus* st. *varrialei* var. *hellenis* Santschi, 1926f: 290 (w.q.) GREECE; unavailable (infrasubspecific) name.]

[Note: Santschi, 1926f: 286 (in list) spells the unavailable name *hellenius*. Misspelled as *hellenis* by Finzi, 1928c: 788; misspelled as *helensis* by Baroni Urbani, 1971c: 66.]

As unavailable (infrasubspecific) name: Finzi, 1928c: 788; Finzi, 1939c: 154; Baroni Urbani, 1971c: 66.

Status as species: Bolton, 1995b: 254; Legakis, 2011: 10; Borowiec, L. & Salata, 2012: 514; Borowiec, L. 2014: 106; Lebas, *et al.* 2016: 298; Borowiec, L. & Salata, 2018: 6; Salata & Borowiec, 2018c: 46; Salata & Borowiec, 2019a: 66; Kiran & Karaman, 2020: 307.

hesperius. *Messor minor* var. *hesperius* Santschi, 1927c: 235 (w.q.m.) SPAIN (Canary Is.).

Status as species: Cagniant & Espadaler, 1998: 424 (in text); Borowiec, L. 2014: 106.

Subspecies of minor: Menozzi, 1929a: 3; Báez & Ortega, 1978: 190; Bolton, 1995b: 254; Barech, *et al.* 2020: 16.

himalayanus. *Stenamma (Messor) barbarum* r. *himalayanum* Forel, 1902c: 221 (s.w.q.m.) INDIA (Himachal Pradesh, Jammu & Kashmir, Uttarakhand), IRAN? (Panjab).

[*Stenamma (Messor) barbarum* r. *himalayanum* Forel, 1901h: 61. *Nomen nudum*.]

[Misspelled as *hymalayanus* by Kuznetsov-Ugamsky, 1927a: 89, Kuznetsov-Ugamsky, 1929d: 15.]

Combination in *Messor*: Bingham, 1903: 279.

Subspecies of barbarus: Forel, 1903a: 695; Forel, 1904c: 25; Forel, 1904d: 175; Forel, 1906b: 86; Emery, 1908e: 454; Viehmeyer, 1914b: 40; Emery, 1921f: 70; Emery, 1922c:

95; Kuznetsov-Ugamsky, 1927a: 89 (in key); Kuznetsov-Ugamsky, 1929d: 15; Chapman & Capco, 1951: 136.

Subspecies of *structor*: Santschi, 1923f: 320 (in text).

Status as species: Bingham, 1903: 279; Stärcke, 1935: 261; Menozzi, 1939a: 297; Eidmann, 1942: 245; Collingwood, 1961a: 60; Pisarski, 1967: 383; Pisarski, 1970: 306; Arnol'di, 1977b: 1643 (in key); Bolton, 1995b: 254; Kiran & Karaman, 2012: 19; Bharti, Guénard, *et al.* 2016: 38; Rasheed, *et al.* 2019: 432.

***hismai*.** *Messor hismai* Collingwood & Agosti, 1996: 318, fig. 4 (w.) SAUDI ARABIA.

Status as species: Collingwood, *et al.* 2011: 426; Borowiec, L. 2014: 106.

***hispanicus*.** *Messor barbarus* st. *hispanicus* Santschi, 1919e: 244 (w.) SPAIN.

Menozzi, 1922b: 326 (q.); Rodríguez González, *et al.* 1983: 38 (m.).

As unavailable (infrasubspecific) name: Emery, 1922c: 95.

Subspecies of *barbarus*: Menozzi, 1922b: 326; Ceballos, 1956: 301.

Subspecies of *structor*: Santschi, 1929e: 144.

Status as species: Santschi, 1927c: 225; Collingwood & Yarrow, 1969: 63; Collingwood, 1978: 81 (in key); Bolton, 1995b: 254; Espadaler, 1997b: 30; Cagniant & Espadaler, 1998: 431; Collingwood & Prince, 1998: 14 (in key); Cagniant, 2006a: 197; Borowiec, L. 2014: 106; Lebas, *et al.* 2016: 292; Barech, *et al.* 2020: 16.

***hodnii*.** *Messor hodnii* Barech, Khaldi, Espadaler & Cagniant, 2020: 10, figs. 1-3 (w.) ALGERIA.

***hoggarensis*.** *Messor sublaeviceps* st. *hoggarensis* Santschi, 1929c: 98, fig. 1 (w.q.) ALGERIA.

[Also described as new by Santschi, 1934f: 166.]

Cagniant & Espadaler, 1998: 427 (m.).

Subspecies of *sublaeviceps*: Santschi, 1929g: 165; Santschi, 1939d: 72.

Subspecies of *meridionalis*: Bernard, 1948: 140.

Subspecies of *instabilis*: Bernard, 1950b: 285.

Subspecies of *aegyptiacus*: Bernard, 1953a: 142 (in key); Délye, 1960: 262; Bolton, 1995b: 254.

Status as species: Cagniant & Espadaler, 1998: 427; Cagniant, 2006a: 197; Borowiec, L. 2014: 107; Barech, *et al.* 2020: 16.

***huberiana*.** *Formica huberiana* Leach, 1825: 290 (w.q.m.) FRANCE.

Combination in *Aphaenogaster*: Roger, 1863b: 29.

Junior synonym of *barbarus*: Roger, 1863b: 29; Mayr, 1863: 395; Emery & Forel, 1879: 461; Dalla Torre, 1893: 100.

Junior synonym of *capitatus*: Emery, 1921f: 70; Bolton, 1995b: 254.

***himalayanus*,** misspelling, see under *himalayanus*.

***ibericus*.** *Messor structor* var. *ibericus* Santschi, 1925g: 343.

[First available use of *Messor barbarus* subsp. *structor* var. *iberica* Emery, 1922c: 92 (w.) SPAIN; unavailable (infrasubspecific) name.]

Santschi, 1931a: 4 (m.).

As unavailable (infrasubspecific) name: Emery, 1924c: 164.

Subspecies of *structor*: Santschi, 1931a: 4; Santschi, 1932c: 69.

Subspecies of *barbarus*: Ceballos, 1956: 302.

Status as species: Collingwood, 1978: 68, 81 (in key); Bolton, 1995b: 254; Borowiec, L. 2014: 107; Steiner, Csösz, *et al.* 2018: 398 (redescription); Salata & Borowiec, 2018c: 46; Seifert, 2018: 176; Salata & Borowiec, 2019a: 60.

Senior synonym of novaki: Steiner, Csösz, *et al.* 2018: supplementary material, 8.

incisus. *Messor incisus* Stitz, 1923: 149 (q.) NAMIBIA.

Status as species: Bolton, 1982: 351 (*nomen dubium*); Bolton, 1995b: 254.

inopportus. *Messor barbarus* subsp. *inopportus* Ruzsky, 1923: 4.

[First available use of *Aphaenogaster* (*Messor*) *barbarus* subsp. *aegyptiacus* var. *inopportus* Ruzsky, 1905b: 751 (w.) ARMENIA, GEORGIA, AZERBAIJAN; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1908e: 452; Emery, 1921f: 70; Emery, 1922c: 96.

Subspecies of barbarus: Kuznetsov-Ugamsky, 1929d: 16.

Junior synonym of *caducus*: Kolossov, 1932: 118; Donisthorpe, 1941k: 238.

Subspecies of semirufus: Arnol'di, 1977b: 1640 (in key); Arakelian, 1994: 37.

Status as species: Bernard, 1981b: 145; Tohmé, G. & Tohmé, H. 1981: 144; Bolton, 1995b: 254; Gratiashvili & Barjadze, 2008; Paknia, *et al.* 2008: 155: 139; Borowiec, L. 2014: 107; Tohmé, G. & Tohmé, 2014: 134; Khalili-Moghadam, *et al.* 2019: 172.

Senior synonym of hamulifera: Arnol'di, 1977b: 1640 (in key); Arakelian, 1994: 38; Bolton, 1995b: 254.

inermis. *Messor barbarus* subsp. *inermis* Kuznetsov-Ugamsky, 1929d: 21.

[First available use of *Messor barbarus* subsp. *meridionalis* var. *inermis* Kuznetsov-Ugamsky, 1927a: 90 (in key) (w.) KAZAKHSTAN; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Santschi, 1927d: 247.

Status as species: Tarbinsky, 1976: 65 (redescription); Arnol'di, 1977b: 1641 (in key); Bolton, 1995b: 254; Schultz, R. *et al.* 2006: 206; He & Song, 2009: 723; Guénard & Dunn, 2012: 45.

infumatus. *Messor barbarus* subsp. *infumatus* Kuznetsov-Ugamsky, 1929d: 19.

[First available use of *Messor barbarus* subsp. *meridionalis* var. *infumatus* Kuznetsov-Ugamsky, 1927a: 91 (in key) (w.) KYRGYZSTAN; unavailable (infrasubspecific) name.]

Status as species: Tarbinsky, 1976: 57; He & Song, 2009: 723.

Subspecies of meridionalis: Pisarski, 1967: 384.

Subspecies of aralocaspicus: Arnol'di, 1977b: 1642; Bolton, 1995b: 254; Schultz, R. *et al.* 2006: 206; Guénard & Dunn, 2012: 45.

instabilis. *Atta instabilis* Smith, F. 1858b: 163 (w.m.) INDIA (no state data, “Northern India”).

Bingham, 1903: 279 (s.q.).

Combination in *Messor*: Bingham, 1903: 278.

As unavailable (infrasubspecific) name: Emery, 1921f: 71.

Junior synonym of *barbarus*: Tiwari, 1999: 38 (error).

Subspecies of capitatus: Emery, in Dalla Torre, 1893: 101.

Subspecies of barbarus: Forel, 1903a: 694; Bingham, 1903: 278; Forel, 1906b: 86; Emery, 1922c: 94; Emery, 1924a: 8; Wheeler, W.M. 1926: 3; Karavaiev, 1926b: 100; Karavaiev, 1927a: 287; Chapman & Capco, 1951: 137.

Status as species: Mayr, 1863: 396; Smith, F. 1871a: 333; Santschi, 1923f: 325; Santschi, 1927c: 247 (in key); Wheeler, W.M. 1927g: 103; Santschi, 1931a: 4; Santschi, 1936c: 200; Menozzi, 1939a: 297; Eidmann, 1942: 246; Cagniant, 1964: 87; Pisarski,

1967: 383; Pisarski, 1970: 306; Bolton, 1995b: 254; Vonshak, *et al.* 2009: 42; Borowiec, L. 2014: 107; Bharti, Guénard, *et al.* 2016: 38; Rasheed, *et al.* 2019: 432.

Senior synonym of *punctata*: Bingham, 1903: 279; Pisarski, 1967: 383; Pisarski, 1970: 306; Bolton, 1995b: 254.

***intermedius*.** *Messor semirufus* var. *intermedius* Santschi, 1927c: 229 (date of publication (31).v.1927).

[First available use of *Messor barbarus* subsp. *semirufus* var. *intermedia* Forel, 1910a: 10 (w.) LEBANON, SYRIA, ISRAEL; unavailable (infrasubspecific) name.]
Menozzi, 1933b: 53 (q.m.).

As unavailable (infrasubspecific) name: Emery, 1921f: 72; Santschi, 1921a: 110; Emery, 1922c: 97; Santschi, 1939c: 6.

Subspecies of *semirufus*: Menozzi, 1927e: 117 (date of publication 10.xi.1927); Kuznetsov-Ugamsky, 1929d: 22; Menozzi, 1933b: 53; Santschi, 1934d: 275.

Junior synonym of *semirufus*: Baroni Urbani, 1974: 227.

Status as species: Arnol'di, 1977b: 1640 (in key); Dlussky, 1981a: 17; Tohmé, G. & Tohmé, H. 1981: 142; Dlussky & Zabelin, 1985: 211; Dlussky, Soyunov & Zabelin, 1990: 222; Bolton, 1995b: 254; Collingwood & Agosti, 1996: 318; Paknia, *et al.* 2008: 155; Vonshak, *et al.* 2009: 42; Legakis, 2011: 10; Borowiec, L. & Salata, 2012: 514; Kiran & Karaman, 2012: 19; Borowiec, L. 2014: 107; Tohmé, G. & Tohmé, 2014: 134; Khalili-Moghadam, *et al.* 2019: 172.

jakowlevi. *Messor rufitarsis* subsp. *jakowlevi* Arnol'di, 1977b: 1643 (in key).

[First available use of *Aphaenogaster (Messor) barbarus* subsp. *capitatus* var. *jakowlevi* Ruzsky, 1905b: 750 (w.) UKRAINE; unavailable (infrasubspecific) name.]

[Misspelled as *jakovlevi* by Arnol'di & Dlussky, 1978: 537 (in key).]

As unavailable (infrasubspecific) name: Emery, 1908e: 450; Emery, 1921f: 72; Emery, 1922c: 96; Karavaiev, 1927a: 287.

Subspecies of *rufitarsis* Fabricius: Arnol'di & Dlussky, 1978: 537 (in key); Steiner, Csösz, *et al.* 2018: supplementary material, 8 (*nomen dubium*).

[Note: because Steiner, Csösz, *et al.* 2018: 399, establish *rufitarsis* Fabricius as a junior synonym of *structor*, the synonymy of *jakowlevi* under *structor* still stands.]

Junior synonym of *structor*: Dlussky, Soyunov & Zabelin, 1990: 224; Atanassov & Dlussky, 1992: 114; Bolton, 1995b: 254.

Material of the unavailable name *salina* referred here by Arnol'di, 1977b: 1643 (in key).

juvenilis. *Formica juvenilis* Fabricius, 1804: 405 (w.) FRANCE.

Combination in *Atta*: Latreille, 1809: 130;

combination in *Aphaenogaster*: Roger, 1863b: 29.

Junior synonym of *capitatus*: Mayr, 1855: 462.

Junior synonym of *barbarus*: Smith, F. 1858b: 162; Mayr, 1861: 66 (in key); Smith, F. 1861a: 35; Mayr, 1863: 395; Roger, 1863b: 29; André, 1874: 203 (in list); Emery & Forel, 1879: 461; Emery, 1891b: 12; Dalla Torre, 1893: 99; Emery, 1921f: 69; Bolton, 1995b: 254.

karawajevi. *Messor karawajevi* Tarbinsky, 1976: 59.

[First available use of *Messor barbarus* st. *clivorum* var. *karawayewi* Santschi, 1917e: 92 (w.q.m.) KYRGYZSTAN; unavailable (infrasubspecific) name.]

[Misspelled as *karawaiewi* by Emery, 1921b: 211, Emery, 1922c: 96; misspelled as *karawayewi* by Emery, 1921f: 70.]

As unavailable (infrasubspecific) name: Emery, 1921b: 211; Emery, 1921f: 70; Emery, 1922c: 92; Santschi, 1927d: 248.

Material referred to *rufus* by Emery, 1922c: 96.

Junior synonym of *rufus*: Arnol'di, 1977b: 1642; Bolton, 1995b: 254; Schultz, R. et al. 2006: 203.

***kasakorum*.** *Messor kasakorum* Arnol'di, 1970a: 82, figs. 5(4,6), 6(1) (w.m.) KAZAKHSTAN.

[Misspelled as *kazakorum* by Dlussky, 1981a: 17.]

Status as species: Arnol'di, 1977b: 1647 (in key); Arnol'di & Dlussky, 1978: 537 (in key); Dlussky, 1981a: 17; Bolton, 1995b: 255; Borowiec, L. 2014: 107 (see note in bibliography).

Current subspecies: nominal plus *nadezhdae*.

***kisilkumensis*.** *Messor kisilkumensis* Arnol'di, 1970a: 84, figs. 5(7), 6(2) (w.q.m.) KAZAKHSTAN, UZBEKISTAN.

Status as species: Arnol'di, 1977b: 1647 (in key); Dlussky, 1981a: 17; Dlussky, Soyunov & Zabelin, 1990: 222; Bolton, 1995b: 255.

***korborum*.** *Messor barbarus* subsp. *structor* var. *korborum* Emery, 1921b: 214 (s.w.q.) TURKEY; unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 255.

***kutteri*.** *Messor semirufus* var. *kutteri* Santschi, 1934d: 275 (w.) ITALY (Lipari Is).

Subspecies of *semirufus*: Baroni Urbani, 1971c: 65.

Junior synonym of *meridionalis*: Poldi, et al. 1995: 3.

Junior synonym of *semirufus*: Baroni Urbani, 1974: 227; Bolton, 1995b: 255.

***laboriosus*.** *Messor minor* st. *laboriosus* Santschi, 1927c: 240, fig. 3 (w.q.) TURKMENISTAN, UZBEKISTAN (date of publication (31).v.1927).

Synonym of *denticulatus*: Santschi, 1927d: 247; Kuznetsov-Ugamsky, 1929d: 18; Arnol'di, 1977b: 1641 (in key); Dlussky, Soyunov & Zabelin, 1990: 220.

[Note: Santschi, Kuznetsov-Ugamsky, Arnol'di, and Dlussky et al. all give *denticulatus* as senior synonym, but *laboriosus* has priority.]

Status as species (as *denticulatus*): Tarbinsky, 1976: 61 (redescription); Arnol'di, 1977b: 1641 (in key); Arnol'di & Dlussky, 1978: 537 (in key); Agosti & Collingwood, 1987b: 271 (in key); Dlussky, Soyunov & Zabelin, 1990: 219; Bolton, 1995b: 253; Legakis, 2011: 10; Borowiec, L. & Salata, 2012: 513; Borowiec, L. 2014: 105

***laeviceps*.** *Messor barbarus* r. *meridionalis* var. *laeviceps* Stitz, 1917: 344 (w.) MOROCCO; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Emery, 1921f: 71; Emery, 1922c: 94.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 255.

Material referred to *marocanus* by Emery, 1922c: 94, Santschi, 1929e: 142.

***laevifrons*.** *Messor denticornis* var. *laevifrons* Stitz, 1923: 148 (w.) NAMIBIA.

Junior synonym of *tropicorum*: Bolton, 1982: 354; Bolton, 1995b: 255.

***lamellicornis*.** *Messor lamellicornis* Arnol'di, 1968: 1807, figs. 7, 8 (s.w.m.) UZBEKISTAN.

Status as species: Arnol'di, 1977b: 1646 (in key); Dlussky, 1981a: 17; Dlussky, Soyunov & Zabelin, 1990: 223; Bolton, 1995b: 255.

***lapidum*.** *Formica lapidum* Fabricius, 1804: 407 (w.) AUSTRIA.

Combination in *Aphaenogaster*: Roger, 1863b: 29.

Junior synonym of *rufitarsis* Fabricius: Emery, 1921b: 211.

Junior synonym of *structor*: Nylander, 1856b: 85; Smith, F. 1858b: 162; Smith, F. 1861a: 35; Mayr, 1863: 397; Roger, 1863b: 29; Forel, 1874: 100 (in list); Emery & Forel, 1879:

462; Dalla Torre, 1893: 105; Ruzsky, 1905b: 728; Emery, 1921f: 73; Bolton, 1995b: 255; Radchenko, 2016: 171; Steiner, Csösz, *et al.* 2018: 399.

latinoda. *Messor barbarus* st. *latinoda* Santschi, 1917e: 93, fig. 2 (s.w.) (no state data, East Africa?).

As unavailable (infrasubspecific) name: Emery, 1922c: 98; Barech, *et al.* 2020: 18.

Subspecies of *barbarus*: Emery, 1921f: 71; Wheeler, W.M. 1922a: 803.

Junior synonym of *galla*: Viehmeyer, 1923: 87; Bolton, 1982: 350; Bolton, 1995b: 255.

laurenti. *Messor lobicornis* var. *laurenti* Santschi, 1939d: 72 (w.) ALGERIA.

Subspecies of *lobicornis*: Bolton, 1995b: 255.

Junior synonym of *normandi*: Barech, *et al.* 2020: 14.

lobicornis. *Aphaenogaster (Messor) lobicornis* Forel, 1894d: 31 (w.) ALGERIA.

Combination in *Messor*: Emery, 1908e: 458.

Status as species: Emery, 1908e: 458; Karavaiev, 1912a: 10; Emery, 1921f: 74; Cagniant, 1968a: 143; Collingwood & Yarrow, 1969: 64; Cagniant, 1970a: 416; Collingwood, 1978: 81 (in key); Bolton, 1995b: 255; Cagniant & Espadaler, 1998: 431; Cagniant, 2006a: 197; Borowiec, L. 2014: 107 (see note in bibliography); Barech, *et al.* 2020: 14.

Senior synonym of *batnensis*: Barech, *et al.* 2020: 14.

Current subspecies: nominal plus *normandi*, *submuticus*.

lobifer, misspelling, see under *lobulifera*.

lobognathus Andrews, 1916; see under **VEROMESSOR**.

lobulifera. *Messor barbarus* var. *lobulifera* Emery, 1901i: 159 (w.) MONGOLIA.

[Misspelled as *lobifer* by Santschi, 1925f: 83; Menozzi, 1930d: 329.]

Santschi, 1925f: 93 (q.m.); Santschi, 1928b: 31 (q.m.).

Status as species: Ruzsky, 1905b: 739; Emery, 1908e: 459; Ruzsky, 1915a: 443; Wheeler, W.M. 1921c: 535; Emery, 1921f: 74; Wheeler, W.M. 1923b: 1; Santschi, 1925f: 83, 93; Wheeler, W.M. 1927d: 2; Wheeler, W.M. 1927e: 1; Santschi, 1928b: 31; Menozzi, 1930d: 329; Chapman & Capco, 1951: 137.

Junior synonym of *aciculatus*: Wheeler, W.M. 1928c: 9 (in text); Wheeler, W.M. 1928d: 107 (in text); Wheeler, W.M. 1930h: 63; Arnol'di, 1977b: 1645 (in key); Bolton, 1995b: 255; Tang, J., Li, *et al.* 1995: 53; Imai, *et al.* 2003: 160.

luebberti. *Messor barbarus* subsp. *luebberti* Forel, 1910f: 13 (w.) NAMIBIA.

Subspecies of barbarus: Arnold, 1920a: 411; Emery, 1921f: 71; Wheeler, W.M. 1922a: 803; Stitz, 1923: 150.

Status as species: Emery, 1922c: 99; Bolton, 1982: 351 (redescription); Bolton, 1995b: 255.

luridus. *Messor luridus* Santschi, 1927c: 245.

[First available use of *Stenamma (Messor) barbarum* subsp. *caducum* var. *lurida* Emery, 1898c: 139 (w.) TURKEY; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1908e: 448; Emery, 1921f: 72; Emery, 1922c: 97.

Status as species: Bolton, 1995b: 255; Kiran & Karaman, 2012: 19; Borowiec, L. 2014: 108 (see note in bibliography).

Current subspecies: nominal plus *virginalis*.

lusitanicus. *Messor lusitanicus* Tinaut, 1985: 85.

[First available use of *Messor structor* st. *hispanicus* var. *lusitanicus* Santschi, 1929e: 144 (w.q.m.) PORTUGAL; unavailable (infrasubspecific) name. Material referred to *hispanicus* by Collingwood, 1978: 68.]

Status as species: Bolton, 1995b: 255; Collingwood & Prince, 1998: 14 (in key); Cagniant, 2006a: 197; Borowiec, L. 2014: 108; Lebas, et al. 2016: 292; Barech, et al. 2020: 16.

macrops. *Messor excursionis* var. *macrops* Santschi, 1927d: 248 (w.) TURKMENISTAN.

Junior synonym of *variabilis*: Arnol'di, 1977b: 1646 (in key); Bolton, 1995b: 255.

maculifrons. *Messor semirufus* var. *maculifrons* Santschi, 1927c: 228.

[First available use of *Messor barbarus* st. *semirufus* var. *maculifrons* Santschi, 1917e: 91 (w.) SYRIA, CAUCASUS; unavailable (infrasubspecific) name.]

[Note: the Caucasus locality is probably Georgia (Tbilisi), as recorded in Santschi, 1927c: 228.]

As unavailable (infrasubspecific) name: Emery, 1921f: 72; Emery, 1922c: 97.

Subspecies of *semirufus*: Finzi, 1936: 159.

Junior synonym of *semirufus*: Baroni Urbani, 1974: 227.

Status as species: Tohmé, G. & Tohmé, H. 1981: 143; Bolton, 1995b: 255; Vonshak, et al. 2009: 42; Borowiec, L. 2014: 108; Tohmé, G. & Tohmé, 2014: 134.

marikovskii. *Messor marikovskii* Arnol'di, 1970a: 79, figs. 3(3-5), 4(3) (w.q.m.) KAZAKHSTAN.

Status as species: Tarbinsky, 1976: 52 (redescription); Arnol'di, 1977b: 1645 (in key); Dlussky, 1981a: 17; Bolton, 1995b: 255; Schultz, R. et al. 2006: 206; Borowiec, M.L. et al. 2009: 378.

marocanus. *Messor minor* st. *marocanus* Santschi, 1927c: 248 (in key).

[First available use of *Messor barbarus* subsp. *meridionalis* var. *maroccana* Emery, 1908e: 451 (w.) MOROCCO; unavailable (infrasubspecific) name.]

[Misspelled as *maroccanus* by De Haro & Collingwood, 1994: 102.]

Cagniant & Espadaler, 1998: 426 (m.); Gómez & Espadaler, 2005: 25 (q.).

As unavailable (infrasubspecific) name: Santschi, 1917e: 90; Emery, 1921f: 71; Emery, 1922c: 94.

Subspecies of *instabilis*: Santschi, 1929e: 142; Santschi, 1931a: 4; Santschi, 1936c: 200; Bernard, 1945: 132.

Status as species: Collingwood & Yarrow, 1969: 64; Collingwood, 1978: 81 (in key); De Haro & Collingwood, 1994: 102; Bolton, 1995b: 255; Cagniant & Espadaler, 1998: 426; Collingwood & Prince, 1998: 14 (in key); Gómez & Espadaler, 2005: 25; Cagniant, 2006a: 197; Borowiec, L. 2014: 108; Lebas, et al. 2016: 292; Barech, et al. 2020: 16.

Material of the unavailable name *laeviceps* referred here by Emery, 1922c: 94, Santschi, 1929e: 142.

maurus. *Messor sublaeviceps* var. *maurus* Santschi, 1927c: 244 (w.q.) TUNISIA, MOROCCO.

Subspecies of *sublaeviceps*: Santschi, 1927d: 248; Santschi, 1936c: 200.

Subspecies of *medioruber*: Bolton, 1995b: 255.

Subspecies of *picturatus*: Cagniant & Espadaler, 1998: 425; Cagniant, 2006a: 197; Barech, et al. 2020: 15.

Status as species: Borowiec, L. 2014: 108 (error).

maurus. *Messor minor* subsp. *maurus* Barquin Diez, 1981: 81.

[First available use of *Messor instabilis* st. *minor* var. *maura* Santschi, 1923f: 325 (w.q.) SPAIN (Canary Is), ALGERIA, TUNISIA; unavailable (infrasubspecific) name.]

[Unresolved junior primary homonym of *Messor sublaeviceps* var. *maurus* Santschi, 1927c: 244 (Bolton, 1995b: 255).]

As unavailable (infrasubspecific) name: Santschi, 1927d: 248; Wheeler, W.M. 1927g: 103; Bernard, 1948: 139; Wellenius, 1955: 5; Báez & Ortega, 1978: 190.

Subspecies of minor: Hohmann, *et al.* 1993: 152; Bolton, 1995b: 255.

mcarthuri. *Messor mcarthuri* Steiner, Csösz, *et al.* 2018: 401, figs. 2, 5ae, be, ce, de, ee (w.q.) TURKEY, GREECE.

Status as species: Borowiec, L. & Salata, 2018: 6; Salata & Borowiec, 2018c: 46; Salata & Borowiec, 2019a: 62.

medioruber. *Messor barbarus* st. *mediorubra* Santschi, 1910a: 44.

[First available use of *Stenamma (Messor) barbarum* r. *capitatum* var. *mediorubra* Forel, 1905b: 176 (w.q.m.) TUNISIA; unavailable (infrasubspecific) name.]

[Misspelled as *mediorufa* by Santschi, 1908: 518, Finzi, 1940: 159, and others.]

As unavailable (infrasubspecific) name: Emery, 1908e: 450; Santschi, 1908: 518; Emery, 1912f: 98; Emery, 1921f: 71; Emery, 1922c: 94; Viehmeyer, 1923: 87; Emery, 1924a: 8.

Subspecies of barbarus: Karavaiev, 1912a: 9; Santschi, 1917e: 92.

Subspecies of instabilis: Santschi, 1923f: 325; Finzi, 1940: 159; Cagniant, 1964: 87; Cagniant, 1966b: 279.

Subspecies of minor: Santschi, 1927c: 237.

Status as species: Cagniant, 1968a: 143; Cagniant, 1970a: 415; Bernard, 1971: 7; Collingwood, 1985: 251; Bolton, 1995b: 255; Collingwood & Agosti, 1996: 318; Cagniant & Espadaler, 1998: 426; Cagniant, 2006a: 197; Collingwood, *et al.* 2011: 426; Borowiec, L. 2014: 108 (see note in bibliography); Barech, *et al.* 2020: 16.

Senior synonym of sublaeviceps: Cagniant & Espadaler, 1998: 426.

Current subspecies: nominal plus *montanus*.

mediorufa, misspelling, see under *medioruber*.

mediosanguineus. *Messor barbarus* subsp. *mediosanguineus* Donisthorpe, 1946a: 53 (s.w.) TURKEY.

Subspecies of barbarus: Donisthorpe, 1950e: 1060; Bolton, 1995b: 255; Kiran & Karaman, 2012: 19.

Status as species: Borowiec, L. 2014: 109 (error); Khalili-Moghadam, *et al.* 2019: 173.

megacephala. *Formica megacephala* Leach, 1825: 292 (w.q.m.) FRANCE.

[Unresolved junior primary homonym of *Formica megacephala* Fabricius, 1793: 361 (Emery, 1921a: 26, Bolton, 1995b: 255).]

Combination in *Aphaenogaster*: Roger, 1863b: 29.

Junior synonym of *barbarus*: Roger, 1859: 253; Mayr, 1863: 395; Roger, 1863b: 29; Emery & Forel, 1879: 461; Emery, 1891b: 12; Dalla Torre, 1893: 99; Emery, 1921f: 69; Bolton, 1995b: 255.

melancholicus. *Messor melancholicus* Arnol'di, 1977b: 1639, 1644 (in key).

[First available use of *Messor structor* subsp. *striaticeps* var. *melancholica* Karavaiev, 1926b: 104 (s.w.) ARMENIA, AZERBAIJAN; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Santschi, 1926f: 292.

Status as species: Arakelian, 1994: 36; Bolton, 1995b: 255; Gratiashvili & Barjadze, 2008: 139; Borowiec, L. 2014: 109; Bračko, 2019: 172.

Senior synonym of schelkovnikovi: Arakelian, 1994: 36; Bolton, 1995b: 255.

meridionalis. *Aphaenogaster barbara* var. *meridionalis* André, 1883b: 355 (w.) GREECE, ALBANIA, TURKEY, ALGERIA, TUNISIA.

Ruzsky, 1905b: 747 (q.m.); Emery, 1908e: 450 (q.).

Combination in *Aphaenogaster (Messor)*: Forel, 1890a: lxx; Ruzsky, 1905b: 746;

combination in *Stenamma (Messor)*: Emery, 1898c: 125;

combination in *Messor*: Emery, 1897f: 239; Emery, 1908e: 450.

As unavailable (infrasubspecific) name: Emery, 1891b: 12; Forel, 1904b: 373; Forel, 1904c: 15; Ruzsky, 1905b: 746; Forel, 1906c: 190; Emery, 1922c: 94; Karavaiev, 1926b: 100; Santschi, 1926f: 287.

Subspecies of capitatus: Dalla Torre, 1893: 101.

Subspecies of barbarus: Forel, 1886e: clxviii; Forel, 1890a: lxx; Emery, 1898c: 125; Emery, 1901e: 57; Ruzsky, 1902d: 28; Ruzsky, 1903b: 315; Emery, 1908d: 23; Emery, 1908e: 450; Forel, 1910a: 24; Santschi, 1910a: 43; Karavaiev, 1910a: 270; Karavaiev, 1910b: 64; Forel, 1911d: 346; Emery, 1912f: 97; Karavaiev, 1912a: 9; Krausse, 1912b: 164; Emery, 1914d: 156; Wheeler, W.M. & Mann, 1916: 170; Emery, 1916b: 142; Karavaiev, 1916: 507; Santschi, 1917e: 90; Stitz, 1917: 343; Santschi, 1921a: 110; Menozzi, 1921: 26; Emery, 1921b: 208; Emery, 1921f: 71; Finzi, 1923: 3; Kuznetsov-Ugamsky, 1923: 256; Viehmeyer, 1923: 87; Ruzsky, 1923: 5; Kuznetsov-Ugamsky, 1927a: 90 (in key); Kuznetsov-Ugamsky, 1929b: 45; Donisthorpe, 1950e: 1060.

Subspecies of instabilis: Santschi, 1923f: 325 (in text).

Subspecies of semirufus: Santschi, 1927c: 230; Kutter, 1927: 99; Finzi, 1928c: 788; Finzi, 1930c: 22; Santschi, 1934d: 275; Grandi, 1935: 100; Menozzi, 1936d: 276; Finzi, 1939c: 155; Santschi, 1939c: 6; Novák & Sadil, 1941: 82 (in key).

Subspecies of minor: Arnol'di, 1948: 211 (in list).

Junior synonym of *semirufus*: Baroni Urbani, 1974: 227.

Junior synonym of *caducus*: Atanassov & Dlussky, 1992: 121; Arakelian, 1994: 34; Bolton, 1995b: 255.

Status as species: Bondroit, 1918: 155; Müller, 1923a: 68; Müller, 1923b: 64; Cori & Finzi, 1931: 238; Collingwood, 1961a: 58; Collingwood, 1961b: 289; Baroni Urbani, 1964a: 2; Pisarski, 1967: 384; Baroni Urbani, 1968b: 434; Pisarski, 1970: 306; Baroni Urbani, 1971c: 59; Collingwood, 1978: 81 (in key); Tohmé, G. & Tohmé, H. 1981: 144; Collingwood, 1985: 251; Agosti & Collingwood, 1987a: 54; Poldi, *et al.* 1995: 3; Collingwood & Agosti, 1996: 318; Werner & Wiezik, 2007: 148; Gratiashvili & Barjadze, 2008: 139; Paknia, *et al.* 2008: 155; Vonshak, *et al.* 2009: 42; Legakis, 2011: 10; Collingwood, *et al.* 2011: 426; Kiran & Karaman, 2012: 19; Borowiec, L. 2014: 109; Tohmé, G. & Tohmé, 2014: 134; Lebas, *et al.* 2016: 300.

minor. *Aphaenogaster barbara* var. *minor* André, 1883b: 355 (w.q.) ITALY (mainland, Sardinia, Sicily), FRANCE (Corsica).

Emery, 1908e: 451 (m.).

Combination in *Messor*: Emery, 1908e: 451.

As unavailable (infrasubspecific) name: Emery, 1891b: 12; Emery, 1893c: 84; Forel, 1905b: 176; Santschi, 1908: 517; Forel, 1909e: 379; Emery, 1922c: 94.

Subspecies of capitatus: Dalla Torre, 1893: 101.

Subspecies of barbarus: Emery, 1887b: 457; Forel, 1890a: lxx; Emery, 1908e: 451; Forel, 1910a: 9; Karavaiev, 1912a: 9; Krausse, 1912b: 164; Emery, 1912f: 97; Santschi,

1914d: 335; Emery, 1916b: 143; Stitz, 1917: 343; Santschi, 1921d: 69; Emery, 1921f: 71; Finzi, 1924a: 13; Chapman & Capco, 1951: 137.

Subspecies of *instabilis*: Santschi, 1923f: 325 (in text); Wheeler, W.M. 1927g: 103; Bernard, 1948: 138.

Status as species: Bondroit, 1918: 155; Santschi, 1927c: 232; Kutter, 1927: 99; Finzi, 1929: 84; Santschi, 1934d: 273; Grandi, 1935: 100; Finzi, 1936: 159; Finzi, 1940: 158; Baroni Urbani, 1964c: 151; Cagniant, 1964: 87; Bernard, 1967: 149 (redescription); Baroni Urbani, 1971c: 61; Bernard, 1971: 7; Arnol'di, 1977b: 1640; Bernard, 1980: 266; Collingwood, 1985: 251; Agosti & Collingwood, 1987b: 271 (in key); Casevitz-Weulersse, 1990b: 156 (in key); Bolton, 1995b: 255; Poldi, *et al.* 1995: 3; Collingwood & Agosti, 1996: 319; Cagniant & Espadaler, 1998: 424; Cagniant, 2006a: 197; Petrov, 2006: 92 (in key); Paknia, *et al.* 2008: 152; Casevitz-Weulersse & Galkowski, 2009: 489; Lush, 2009: 116; Vonshak, *et al.* 2009: 42; Karaman, M.G. 2011b: 37; Borowiec, L. 2014: 109 (see note in bibliography); Bharti, Guénard, *et al.* 2016: 38; Lebas, *et al.* 2016: 296; Barech, *et al.* 2020: 16.

Senior synonym of *pompeianus*: Baroni Urbani, 1971c: 61; Bolton, 1995b: 255.

Current subspecies: nominal plus *calabricus*, *capreensis*, *hesperius*, *maurus* Barquin Diez (unresolved junior homonym).

***mixtus*:** *Messor semirufus* st. *grandinidus* var. *mixtus* Santschi, 1927c: 232 (w.) TUNISIA, ALGERIA; unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 255.

Material referred to *grandinidus* by Barech, *et al.* 2020: 15.

***montanus*:** *Messor sublaeviceps* var. *montanus* Santschi, 1927c: 242 (w.) ALGERIA.

[*Messor instabilis* st. *medioruber* var. *montanus* Santschi, 1923f: 325 (w.) ALGERIA (attributed to Karavaiev); unavailable (infrasubspecific) name.]

[Note: both Santschi entries are based on the same material.]

Subspecies of *medioruber*: Cagniant, 1968a: 143; Bolton, 1995b: 255; Cagniant, 2006a: 197; Barech, *et al.* 2020: 16.

***muraywahus*:** *Messor muraywahus* Collingwood & Agosti, 1996: 319, fig. 6 (w.) SAUDI ARABIA.

Status as species: Borowiec, L. 2014: 109.

***muscatus*:** *Messor muscatus* Collingwood & Agosti, 1996: 320, fig. 7 (w.) OMAN.

Status as species: Borowiec, L. 2014: 109.

***muticus*:** *Myrmica mutica* Nylander, 1849: 39 (w.q.m.) RUSSIA (no state data, “Rossia meridionali”).

Combination in *Aphaenogaster*: Roger, 1863b: 29;

combination in *Stenamma* (*Messor*): Emery, 1898c: 126;

combination in *Messor*: Ruzsky, 1903b: 315; Emery, 1908e: 456.

As unavailable (infrasubspecific) name: Emery, 1908e: 456; Forel, 1911d: 347; Emery, 1912f: 96; Emery, 1921f: 73; Santschi, 1921a: 110; Soudek, 1922: 35; Karavaiev, 1926b: 101; Santschi, 1926f: 291; Soudek, 1931: 8; Santschi, 1934d: 275.

Subspecies of *strector*: Emery, 1898c: 142; Ruzsky, 1903b: 315; Ruzsky, 1904b: 4; Emery, 1915h: 1; Bondroit, 1918: 151; Schkaff, 1925: 274; Stärcke, 1926: 86 (in key); Santschi, 1934d: 275; Novák & Sadil, 1941: 82 (in key); Hamann & Klemm, 1976: 671.

Subspecies of *rufitarsis* Fabricius: Arnol'di, 1977b: 1643 (in key).

Junior synonym of *rufitarsis* Fabricius: Emery, 1921b: 211; Bernard, 1967: 144.

Junior synonym of *structor*: Mayr, 1855: 464; Nylander, 1856b: 85; Smith, F. 1858b: 162; Mayr, 1863: 397; Roger, 1863b: 29; Dours, 1873: 167; André, 1874: 203 (in list); Forel, 1874: 101 (in list); Emery & Forel, 1879: 462; Dalla Torre, 1893: 105; Ruzsky, 1905b: 728; Atanassov & Dlussky, 1992: 114; Arakelian, 1994: 39; Bolton, 1995b: 255; Petrov, 2006: 92 (in key); Radchenko, 2007: 31; Werner & Wiezik, 2007: 140; Legakis, 2011: 11; Kiran & Karaman, 2012: 20; Radchenko, 2016: 171.

Status as species: Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); Kugler, J. 1988: 257; Collingwood, 1993b: 194; Markó & Csösz, 2002: 116; Borowiec, L. & Salata, 2012: 514; Borowiec, L. 2014: 110; Steiner, Csösz, *et al.* 2018: 400 (redescription); Bračko, 2019: 172.

nadezhdae. *Messor kasakorum* subsp. *nadezhdae* Arnol'di, 1970a: 83 (s.m.) RUSSIA, KAZAKHSTAN.

Subspecies of *kasakorum*: Arnol'di & Dlussky, 1978: 537 (in key); Bolton, 1995b: 255.

nahali. *Messor nahali* Tohmé, G. & Tohmé, H. 1981: 151, fig. 22 (s.) SYRIA.

Status as species: Bolton, 1995b: 255; Borowiec, L. 2014: 110.

niger. *Messor barbarus* var. *niger* Santschi: Santschi, 1931a: 4. *Nomen nudum*.

nigra. *Aphaenogaster barbara* var. *nigra* André, 1883b: 355 (w.q.) FRANCE (mainland, Corsica), ITALY (mainland, Sardinia, Sicily), ALGERIA. Emery, 1908e: 447 (m.).

Combination in *Stenamma* (*Messor*): Ruzsky, 1902d: 28;
combination in *Messor*: Emery, 1908e: 446.

As unavailable (infrasubspecific) name: Emery, 1891b: 12; Emery, 1908e: 446; Emery, 1912f: 97; Emery, 1914d: 156; Emery, 1915a: 245; Emery, 1916b: 142; Menozzi, 1918: 82; Soudek, 1925b: 15.

Subspecies of *barbarus*: Dalla Torre, 1893: 100; Ruzsky, 1902d: 28; Emery, 1908d: 23; Forel, 1909c: 104; Forel, 1909e: 379; Forel, 1911d: 346; Krausse, 1912b: 164; Müller, 1923b: 63.

Junior synonym of *capitatus*: Menozzi, 1921: 26; Emery, 1922c: 97; Finzi, 1924a: 13; Finzi, 1929: 80; Cori & Finzi, 1931: 238; Zimmermann, 1935: 17; Bernard, 1967: 147; Baroni Urbani, 1971c: 58; Collingwood, 1978: 68; Bolton, 1995b: 255; Casevitz-Weulersse & Galkowski, 2009: 489.

nigricans. *Messor barbarus* var. *nigricans* Santschi, 1929e: 142 (q.) MOROCCO.

Subspecies of *barbarus*: Bolton, 1995b: 255.

Junior synonym of *gallaoides*: Cagniant, 2006a: 197.

Subspecies of *capitatus*: Barech, *et al.* 2020: 18.

nigricans. *Messor semirufus* var. *nigricans* Santschi, 1932f: 517 (footnote).

Replacement name for *Messor semirufus* var. *nigriceps* Santschi, 1929e: 144. [Junior primary homonym of *Messor barbarus* var. *nigriceps* Santschi, 1925g: 341.]

[Unresolved junior primary homonym of *Messor barbarus* var. *nigricans* Santschi, 1929e: 142 (Bolton, 1995b: 255).]

Junior synonym of *semirufus*: Baroni Urbani, 1974: 227; Bolton, 1995b: 255.

nigriceps. *Messor barbarus* var. *nigriceps* Santschi, 1925g: 341 (w.q.) SPAIN.

Subspecies of *barbarus*: Ceballos, 1956: 301.

Junior synonym of *barbarus*: Collingwood, 1978: 68; Bolton, 1995b: 255.

nigriceps. *Messor semirufus* var. *nigriceps* Santschi, 1929e: 144 (w.) ISRAEL.

[Junior primary homonym of *Messor barbarus* var. *nigriceps* Santschi, 1925g: 341.]

Replacement name: *Messor semirufus* var. *nigriceps* Santschi, 1932f: 517.

nigriventris. *Messor braunsi* var. *nigriventris* Stitz, 1923: 150 (w.) NAMIBIA.

Junior synonym of *tropicorum*: Bolton, 1982: 354; Bolton, 1995b: 255.

niloticus. *Messor niloticus* Santschi, 1938a: 36, fig. 6 (s.w.) EGYPT.

Status as species: Bolton, 1995b: 255; Borowiec, L. 2014: 110.

nobilis. *Messor galla* st. *nobilis* Santschi, 1928f: 201 (w.q.) ETHIOPIA.

Junior synonym of *galla*: Bolton, 1982: 350; Bolton, 1995b: 256.

nondentatus. *Messor nondentatus* He & Song, 2009: 723, figs. 3-4 (w.) CHINA (Inner Mongolia).

normandi. *Messor lobicornis* st. *normandi* Santschi, 1918a: 37 (w.q.m.) TUNISIA.

Subspecies of lobicornis: Emery, 1921f: 74; Santschi, 1929e: 144; Cagniant, 1970a: 416;

Bolton, 1995b: 256.

novaki. *Messor structor* subsp. *novaki* Finzi, 1929: 92 (w.) CROATIA.

Junior synonym of *structor*: Atanassov & Dlussky, 1992: 114; Bolton, 1995b: 256.

Junior synonym of *ibericus*: Steiner, Csösz, et al. 2018: supplementary material, 8.

oblica. *Messor sublaeviceps* st. *hoggarensis* var. *oblica* Santschi, 1939d: 72 (w.q.) ALGERIA; unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 256.

obscurior. *Messor barbarus* r. *semirufus* var. *obscurior* Crawley, 1920a: 164 (s.w.) IRAQ; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Emery, 1922c: 95.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 256.

Material referred to *semirufus* by Baroni Urbani, 1974: 227.

obscuriventris. *Messor barbarus* subsp. *capitatus* var. *obscuriventris* Karavaiev, 1912a: 9 (s.w.) ALGERIA; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Emery, 1921f: 72; Emery, 1922c: 95; Santschi, 1927c: 237; Finzi, 1929: 92; Baroni Urbani, 1971c: 64.

[*Messor sanctus* *obscuriventris* Poldi, et al. 1995: 3 (attributed to Karavaiev); unavailable name (published after 1985); *Messor sanctus* *obscuriventris* Barech, et al. 2020: 15 (attributed to Karavaiev); unavailable name (published after 1985).]

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 256.

obscurus. *Messor galla* var. *obscurus* Menozzi & Consani, 1952: 61 (w.) ETHIOPIA (attributed to Santschi).

[*Messor galla* var. *obscurus* Menozzi, 1939c: 101. *Nomen nudum*.]

Subspecies of *galla*: Bolton, 1995b: 256.

Junior synonym of *galla*: Fisher & Bolton, 2016: 317.

oertzeni. *Messor oertzeni* Forel, 1910a: 25 (w.) TURKEY.

[Misspelled as *oerzenitor* by Santschi, 1921a: 110; misspelled as *oerzeni* by Santschi, 1923f: 326.]

Status as species: Emery, 1921b: 215; Emery, 1921f: 74; Santschi, 1923f: 326 (in text); Santschi, 1921a: 10; Agosti & Collingwood, 1987b: 271; Atanassov & Dlussky, 1992: 117; Collingwood, 1993b: 194; Bolton, 1995b: 256; Petrov, 2006: 92 (in key); Lapeva-Gjonova, et al. 2010: 15; Legakis, 2011: 11; Borowiec, L. & Salata, 2012: 515; Kiran & Karaman, 2012: 20; Borowiec, L. 2014: 110 (see note in bibliography); Bračko, et al. 2014: 14; Borowiec, L. & Salata, 2018: 6; Salata & Borowiec, 2018c: 46; Salata & Borowiec, 2019a: 66.

Senior synonym of *amphigea*: Agosti & Collingwood, 1987a: 54; Bolton, 1995b: 256; Legakis, 2011: 9; Kiran & Karaman, 2012: 20.

Current subspecies: nominal plus *amasiensis*.

***olegianus*.** *Messor olegianus* Arnol'di, 1970a: 77, figs. 3(1,2), 4(1,2) (w.m.) TAJIKISTAN.

Status as species: Tarbinsky, 1976: 62 (redescription); Arnol'di, 1977b: 1643 (in key); Bolton, 1995b: 256; Schultz, R. et al. 2006: 206.

***orientalis*.** *Stenamma (Messor) structor* var. *orientalis* Emery, 1898c: 143 (w.q.m.) TURKEY.

Combination in *Messor*: Ruzsky, 1903b: 315; Emery, 1908e: 456.

As unavailable (infrasubspecific) name: Emery, 1908e: 456; Forel, 1910a: 9; Karavaiev, 1910b: 67; Forel, 1911d: 347; Emery, 1912f: 96; Wheeler, W.M. & Mann, 1916: 170; Donisthorpe, 1918b: 166; Emery, 1921b: 212; Emery, 1921f: 73; Santschi, 1926f: 292; Menozzi, 1933b: 54; Santschi, 1934d: 275; Santschi, 1939c: 6.

Junior synonym of *structor*: Kuznetsov-Ugamsky, 1929d: 12.

Junior synonym of *darianus*: Pisarski, 1967: 383; Pisarski, 1969b: 306.

Subspecies of *structor*: Ruzsky, 1903b: 315; Menozzi, 1933b: 56 (in key); Zimmermann, 1935: 15; Aktaç, 1977: 120; Tohmé, G. & Tohmé, 2014: 134 (error).

Status as species: Collingwood, 1961a: 61; Tohmé, G. & Tohmé, H. 1981: 150; Collingwood, 1985: 251; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); Kugler, J. 1988: 257; Collingwood, 1993b: 194; Bolton, 1995b: 256; Collingwood & Heatwole, 2000: 7; Petrov, 2006: 92 (in key); Vonshak, et al. 2009: 42; Legakis, 2011: 11; Borowiec, L. & Salata, 2012: 515; Guénard & Dunn, 2012: 45; Kiran & Karaman, 2012: 20; Nezhad, et al. 2012: 70; Borowiec, L. 2014: 110; Lebas, et al. 2016: 298; Borowiec, L. & Salata, 2020: 11.

***parvidens*.** *Messor denticornis* var. *parvidens* Forel, 1910f: 15 (w.) NAMIBIA.

Subspecies of *denticornis*: Arnold, 1920a: 413; Emery, 1921f: 74; Wheeler, W.M. 1922a: 806.

Junior synonym of *denticornis*: Bolton, 1982: 349; Bolton, 1995b: 256.

***perantennatus*.** *Messor perantennatus* Arnol'di, 1970a: 85, figs. 5(8), 6(3,4) (s.m.) TURKMENISTAN.

Status as species: Arnol'di, 1977b: 1647 (in key); Dlussky, Soyunov & Zabelin, 1990: 223; Bolton, 1995b: 256; Collingwood & Heatwole, 2000: 7; Paknia, et al. 2010: 33; Guénard & Dunn, 2012: 45; Borowiec, L. 2014: 110.

***persicus*.** *Stenamma (Messor) barbarus* r. *himalayanus* var. *persicus* Forel, 1904d: 175 (w.) IRAN; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Emery, 1908e: 454; Emery, 1921f: 71.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 256.

***personatus*.** *Messor antennatus* st. *personatus* Santschi, 1931a: 3 (w.) MOROCCO.

Subspecies of *antennatus*: Bolton, 1995b: 256; Barech, et al. 2020: 17.

***phasianicus*.** *Messor aegyptiacus* var. *phasianica* Bernard, 1953a: 143 (diagnosis in key) (w.) ALGERIA.

[Misspelled as *pharisianicus* by Barech, et al. 2020: 15.]

Subspecies of *aegyptiacus*: Bolton, 1995b: 256.

Subspecies of *semirufus*: Barech, et al. 2020: 15.

***piceus*.** *Messor piceus* Stitz, 1923: 150 (w.q.) SOUTH AFRICA.

Status as species: Bolton, 1982: 352 (redescription); Bolton, 1995b: 256.

***picturatus*.** *Messor sublaeviceps* var. *picturatus* Santschi, 1927c: 243.

[First available use of *Messor barbarus* st. *minor* var. *picturata* Santschi, 1921d: 69 (w.q.) ALGERIA, MOROCCO, TUNISIA; unavailable (infrasubspecific) name.]

Santschi, 1939d: 71 (q.m.); Cagniant & Espadaler, 1998: 425 (m.).

As unavailable (infrasubspecific) name: Emery, 1922c: 94; Emery, 1924a: 8.

Subspecies of *sublaeviceps*: Santschi, 1929e: 142; Menozzi, 1934: 158; Santschi, 1939d: 71; Menozzi, 1940: 268; Finzi, 1940: 159.

Subspecies of *minor*: Cagniant, 1968a: 143.

Subspecies of *medioruber*: Cagniant, 1970a: 415.

Status as species: Collingwood, 1985: 251; Bolton, 1995b: 256; Collingwood & Agosti, 1996: 320; Cagniant & Espadaler, 1998: 425; Cagniant, 2006a: 197; Borowiec, L. 2014: 110; Barech, *et al.* 2020: 15.

Current subspecies: nominal plus *maurus* Santschi.

planiceps. *Messor planiceps* Stitz, 1917: 344, fig. 11 (w.) ALGERIA.

Status as species: Emery, 1921f: 74; Bolton, 1995b: 256 (error).

Junior synonym of *caviceps*: Délye, 1964: 165; Cagniant & Espadaler, 1998: 432.

platyceras. *Messor platyceras* Crawley, 1920a: 163, pl. 5, figs. 3, 3a (s.w.) IRAN.

Subspecies of *clivorum*: Emery, 1921b: 210 (footnote).

Subspecies of *structor*: Bolton, 1995b: 256; Paknia, *et al.* 2008: 155.

Status as species: Khalili-Moghadam, *et al.* 2019: 173.

Senior synonym of *rubella*: Khalili-Moghadam, *et al.* 2019: 173.

plinii. *Messor plinii* Santschi, 1912b: 165 (s.w.) KENYA.

Combination in *Sphaeromessor*: Bernard, 1985: 48;

combination in *Messor*: Bolton, 1995b: 256.

Status as species: Santschi, 1914b: 75.

Subspecies of *cephalotes*: Santschi, 1917e: 94; Emery, 1921f: 73.

Junior synonym of *cephalotes*: Bolton, 1982: 346; Bolton, 1995b: 256.

politus. *Messor barbarus* var. *politus* Karavaiev, 1912a: 6 (s.w.) ALGERIA.

As unavailable (infrasubspecific) name: Emery, 1921f: 70.

Subspecies of *barbarus*: Bolton, 1995b: 256; Barech, *et al.* 2020: 18.

Senior synonym of *dentiscapus*: Bolton, 1995b: 256.

Senior synonym of *ambiguus*: Barech, *et al.* 2020: 18.

[Note: Barech, *et al.* 2020: 18, record *ambiguus* as a junior synonym of *dentiscapus*, but *politus* has priority over the latter (Bolton, 1995b: 253).]

pompeianus. *Messor minor* var. *pompeianus* Santschi, 1927c: 233 (w.) ITALY.

[Misspelled as *pompeiana* by Grandi, 1935: 100, and others.]

Finzi, 1929: 86 (q.).

Subspecies of *minor*: Finzi, 1929: 86; Santschi, 1934d: 273; Grandi, 1935: 100.

Junior synonym of *minor*: Baroni Urbani, 1971c: 61; Bolton, 1995b: 256.

ponticus. *Messor ponticus* Steiner, Csösz, *et al.* 2018: 399, figs. 2, 5ab, bb, cb, db, eb, fb (w.q.m.) BULGARIA, ROMANIA, TURKEY, UKRAINE.

Status as species: Salata & Borowiec, 2018c: 46; Salata & Borowiec, 2019a: 64.

postpetiolatus. *Messor barbarus* st. *postpetiolatus* Santschi, 1917e: 90, fig. 1 (s.w.) TUNISIA.

As unavailable (infrasubspecific) name: Emery, 1922c: 94; Santschi, 1927c: 239.

Subspecies of *barbarus*: Emery, 1921f: 71.

Subspecies of *medioruber*: Cagniant, 2006a: 197.

Status as species: Bernard, 1981b: 143; Bolton, 1995b: 256; Borowiec, L. 2014: 111 (error); Barech, *et al.* 2020: 16.

postquadratus. *Messor sublaeviceps* st. *postquadratus* Santschi, 1932f: 516 (w.) ALGERIA.

Subspecies of medioruber: Bolton, 1995b: 256.

Status as species: Barech, et al. 2020: 16.

probus. *Messor capensis* var. *probus* Wheeler, W.M. 1922a: 805.

[First available use of *Messor barbarus* subsp. *capensis* var. *proba* Forel, 1911e: 266 (w.) SOUTH AFRICA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Arnold, 1920a: 410; Emery, 1921f: 70; Emery, 1922c: 99.

Junior synonym of *decipiens*: Bolton, 1982: 348; Bolton, 1995b: 256.

pseudaegyptiaca. *Aphaenogaster pseudaegyptiaca* Emery, 1884a: 384 (w.) SOUTH AFRICA.

[Misspelled as *pseudaegyptiaca* by Emery, 1922c: 99.]

Arnold, 1920a: 409 (q.m.).

Combination in *Stenamma (Messor)*: Emery, 1895h: 35;

combination in *Messor*: Santschi, 1917e: 94.

As unavailable (infrasubspecific) name: Emery, 1891b: 12; Emery, 1895h: 35; Arnold, 1920a: 408; Emery, 1921f: 70; Emery, 1922c: 99.

Subspecies of *capensis*: Dalla Torre, 1893: 101; Santschi, 1917e: 94; Wheeler, W.M. 1922a: 805.

Junior synonym of *capensis*: Bolton, 1982: 345; Bolton, 1995b: 256.

punctata. *Aphaenogaster barbara* var. *punctata* Forel, 1886d: 248 (w.) INDIA (Jammu & Kashmir).

As unavailable (infrasubspecific) name: Emery, 1891b: 12.

Subspecies of *capitatus*: Dalla Torre, 1893: 101.

Subspecies of *barbarus*: Forel, 1894b: 89; Forel, 1903a: 694; Wheeler, W.M. 1922a: 803.

Junior synonym of *barbarus*: Tiwari, 1999: 38 (error).

Junior synonym of *instabilis*: Bingham, 1903: 279; Pisarski, 1967: 383; Pisarski, 1970: 306; Bolton, 1995b: 256.

punctaticeps. *Messor punctaticeps* Barech, Khaldi, Espadaler & Cagniant, 2020: 16.

[First available use of *Messor barbarus* st. *mediorubra* var. *punctaticeps* Santschi, 1910a: 45 (w.) TUNISIA; unavailable (infrasubspecific) name. Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 256.]

As unavailable (infrasubspecific) name: Emery, 1912f: 98; Santschi, 1917e: 92; Emery, 1921f: 71; Emery, 1922c: 95; Santschi, 1927c: 239.

punctatohimalayanum. *Stenamma (Messor) barbarum* r. *himalayanum* var. *punctatohimalayanum* Forel, 1903a: 695 (w.) INDIA (Madhya Pradesh); unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Emery, 1921f: 71.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 256.

ratus. *Messor arenarius* var. *ratus* Menozzi, 1933b: 51 (w.) ISRAEL.

Subspecies of arenarius: Bolton, 1995b: 256; Vonshak, et al. 2009: 42.

regalis. *Cratomymex regalis* Emery, 1892d: 572, pl. 15, fig. 16 (q.) NIGERIA.

Santschi, 1913c: 307 (w.).

Combination in *Messor (Cratomyrmex)*: Santschi, 1920d: 377.

Combination in *Messor*: Bolton, 1982: 352.

Status as species: Emery, 1921f: 43; Santschi, 1913c: 307; Santschi, 1914d: 335; Santschi, 1920d: 377; Wheeler, W.M. 1922a: 802; Bolton, 1982: 352 (redescription); Bolton, 1995b: 256.

Senior synonym of *rubea*: Bolton, 1982: 352; Bolton, 1995b: 256.

Senior synonym of *sculpturatus*: Bolton, 1982: 352; Bolton, 1995b: 256.

***reticuliventris*.** *Messor barbarus* subsp. *reticuliventris* Karavaiev, 1910b: 67, fig. 33 (w.) TURKMENISTAN.

Subspecies of *barbarus*: Emery, 1921f: 71; Emery, 1922c: 96; Ruzsky, 1923: 5; Kuznetsov-Ugamsky, 1927a: 89 (in key); Kuznetsov-Ugamsky, 1929d: 16.

Status as species: Collingwood, 1961a: 60; Pisarski, 1967: 384; Pisarski, 1970: 307; Arnol'di, 1977b: 1644 (in key); Dlussky, Soyunov & Zabelin, 1990: 223; Bolton, 1995b: 256; Rasheed, *et al.* 2019: 432.

***risianus*.** *Messor aciculatus* var. *risiana* Forel, 1922: 93 (w.) CHINA (Shanghai).

Subspecies of *aciculatus*: Wheeler, W.M. 1930h: 63; Chapman & Capco, 1951: 136; Bolton, 1995b: 256; Guénard & Dunn, 2012: 45.

***romanus*.** *Messor structor* var. *romanus* Santschi, 1926f: 286 (in list).

[First available use of *Messor barbarus* st. *structor* var. *romana* Santschi, 1917e: 91 (w.q.) ROMANIA; unavailable (infrasubspecific) name (Agosti & Collingwood, 1987a: 61).]

As unavailable (infrasubspecific) name: Emery, 1921b: 211; Emery, 1921f: 73; Santschi, 1926f: 291 (in text); Arnol'di & Dlussky, 1978: 537 (in key); Legakis, 2011: 11 (error).

Junior synonym of *structor*: Dlussky, Soyunov & Zabelin, 1990: 224; Atanassov & Dlussky, 1992: 114; Bolton, 1995b: 256.

***rubea*.** *Cratomymrmex regalis* var. *rubea* Santschi, 1913c: 308 (w.) BENIN.

[Misspelled as *rubra* by Emery, 1921f: 43.]

Subspecies of *regalis*: Emery, 1921f: 42; Wheeler, W.M. 1922a: 802.

Junior synonym of *regalis*: Bolton, 1982: 352; Bolton, 1995b: 256.

***rubella*.** *Messor platyceras* var. *rubella* Crawley, 1920a: 164 (s.w.m.) IRAN.

Junior synonym of *clivorum*: Emery, 1921b: 210 (footnote); Bolton, 1995b: 256 (error).

Junior synonym of *structor*: Dlussky, Soyunov & Zabelin, 1990: 224; Bolton, 1995b: 257; Radchenko, 2016: 171.

Junior synonym of *platyceras*: Khalili-Moghadam, *et al.* 2019: 173.

***rubra*,** misspelling, see under *rubea*.

***rufa*.** *Messor barbarus* subsp. *semirufus* var. *rufa* Forel, 1910c: 250 (w.) ERITREA; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Karavaiev, 1911: 4.

Declared as unavailable (infrasubspecific) name: Bolton, 1982: 350.

Material referred to *galla* by Bolton, 1982: 350; Bolton, 1995b: 256.

***rufitarsis*.** *Formica rufitarsis* Fabricius, 1804: 406 (w.) AUSTRIA.

Combination in *Aphaenogaster*: Roger, 1863b: 29;

combination in *Messor*: Emery, 1921b: 211.

Subspecies of *barbarus*: Emery, 1921b: 211.

Subspecies of *structor*: Santschi, 1926f: 290; Santschi, 1927d: 247; Menozzi, 1933b: 54; Santschi, 1934d: 275; Santschi, 1939c: 6; Pisarski, 1975: 16.

Status as species: Rösler, 1942a: 51; Rösler, 1942b: 32; Rösler, 1951: 88; Bernard, 1955a: 361 (in key); Bernard, 1956b: 258; Baroni Urbani, 1964b: 41; Pisarski, 1967: 383;

Bernard, 1967: 144 (redescription); Kutter, 1968a: 59; Pisarski, 1970: 306; Arnol'di, 1970a: 79; Tarbinsky, 1976: 54; van Boven, 1977: 88; Baroni Urbani, 1971c: 63; Kutter, 1977c: 82; Arnol'di, 1977b: 1643 (in key); Arnol'di & Dlussky, 1978: 537 (in key); Bernard, 1981b: 143.

Junior synonym of *structor*: Nylander, 1856b: 85; Smith, F. 1858b: 162; Smith, F. 1861a: 35; Mayr, 1863: 397; Roger, 1863b: 29; Forel, 1874: 101 (in list); Emery & Forel, 1879: 462; Nasonov, 1889: 37; Dalla Torre, 1893: 105; Ruzsky, 1905b: 728; Emery, 1921f: 73; Agosti & Collingwood, 1987a: 54; Casevitz-Weulersse, 1990b: 154; Dlussky, Soyunov & Zabelin, 1990: 224; Atanassov & Dlussky, 1992: 115; Arakelian, 1994: 39; Bolton, 1995b: 256; Gallé, *et al.* 1998: 214; Czechowski, *et al.* 2002: 37; Gratiashvili & Barjadze, 2008: 139; Casevitz-Weulersse & Galkowski, 2009: 489; Csösz, *et al.* 2011: 56; Legakis, 2011: 11; Czechowski, *et al.* 2012: 120; Kiran & Karaman, 2012: 20; Radchenko, 2016: 171; Steiner, Csösz, *et al.* 2018: 399.

rufitarsis. *Myrmica rufitarsis* Foerster, 1850b: 485 (w.) ALGERIA.

[Unresolved junior secondary homonym of *Formica rufitarsis* Fabricius, 1804: 406 (Bolton, 1995b: 256).]

Combination in *Aphaenogaster*: Roger, 1863b: 29.

Junior synonym of *barbarus*: Mayr, 1861: 66 (in key); Roger, 1863b: 29; Mayr, 1863: 395; Emery & Forel, 1879: 461; Emery, 1891b: 12; Dalla Torre, 1893: 99; Emery, 1921f: 69; Bolton, 1995b: 256.

Status as species: Nezhad, *et al.* 2012: 68 (error).

[Note: Nezhad, *et al.* 2012, perhaps confuse *rufitarsis* Foerster with *rufitarsis* Fabricius; or more probably a misidentification.]

rufotestaceus. *Myrmica rufotestacea* Foerster, 1850b: 489 (w.) ALGERIA.

Emery, 1908e: 439 (s.q.); Forel, 1910a: 9 (m.); Athias-Henriot, 1947: 249 (l.).

Combination in *Atta*: Roger, 1859: 255;

combination in *Aphaenogaster*: Roger, 1863b: 30;

combination in *Messor*: Emery, 1908e: 439.

Status as species: Roger, 1859: 255; Roger, 1863b: 30; Mayr, 1863: 435; André, 1881b: 75; André, 1883b: 352 (in key); Dalla Torre, 1893: 104; Medina, 1893: 105; Emery, 1908e: 439; Forel, 1910a: 9; Forel, 1913d: 428; Wheeler, W.M. & Mann, 1916: 169; Emery, 1921f: 74; Finzi, 1930b: 15; Menozzi, 1933b: 56; Finzi, 1936: 159; Santschi, 1938a: 32; Athias-Henriot, 1947: 249; Bernard, 1953a: 146; Ceballos, 1956: 302; Bernard, 1980: 266; Tohmé, G. & Tohmé, H. 1981: 151; Collingwood, 1985: 251; Kugler, J. 1988: 257; Bolton, 1995b: 256; Collingwood & Agosti, 1996: 320; Mohamed, Zalat, *et al.* 2001: 52; Paknia, *et al.* 2008: 155; Vonshak, *et al.* 2009: 42; Collingwood, *et al.* 2011: 426; Borowiec, L. 2014: 111; Tohmé, G. & Tohmé, 2014: 135; Borowiec, L. & Salata, 2020: 11; Barech, *et al.* 2020: 17.

Senior synonym of *gracilinodis*: Dalla Torre, 1893: 104; Emery, 1921f: 74; Menozzi, 1933b: 56; Bolton, 1995b: 256; Mohamed, Zalat, *et al.* 2001: 52.

Senior synonym of *thoracica*: Roger, 1863b: 30; Emery, 1921f: 74; Bolton, 1995b: 256.

rufula. *Messor galla* var. *rufula* Finzi, 1939a: 162.

[First available use of *Messor barbarus* r. *semirufus* var. *rufula* Forel, 1918b: 156 (w.) ERITREA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1921f: 70; Emery, 1922c: 98; Wheeler, W.M. 1922a: 804; Weber, 1943c: 304.

Junior synonym of *galla*: Bolton, 1982: 350; Bolton, 1995b: 256.

rufus. *Messor barbarus* subsp. *rufus* Emery, 1922c: 96.

[First available use of *Messor barbarus* subsp. *meridionalis* var. *rufa* Karavaiev, 1910a: 272 (w.) UZBEKISTAN; unavailable (infrasubspecific) name.]
Kuznetsov-Ugamsky, 1929d: 7 (q.m.).

As unavailable (infrasubspecific) name: Emery, 1921f: 71.

Subspecies of minor: Santschi, 1927c: 240; Santschi, 1927d: 247.

Status as species: Santschi, 1923f: 326; Kuznetsov-Ugamsky, 1929b: 45; Kuznetsov-Ugamsky, 1929d: 6; Dlussky, 1962: 179; Arnol'di, 1977b: 1642 (in key); Tohmé, G. & Tohmé, H. 1981: 147; Bolton, 1995b: 256; Schultz, R. et al. 2006: 203; Borowiec, M.L. et al. 2009: 378; Borowiec, L. 2014: 111 (see note in bibliography); Tohmé, G. & Tohmé, 2014: 135.

Senior synonym of karawajevi: Arnol'di, 1977b: 1642 (in key); Bolton, 1995b: 256; Schultz, R. et al. 2006: 203.

Senior synonym of similis: Santschi, 1927d: 248; Kuznetsov-Ugamsky, 1929d: 6; Arnol'di, 1977b: 1642 (in key); Bolton, 1995b: 256.

Material of the unavailable name *karawayewi* referred here by Emery, 1922c: 96; Santschi, 1927c: 240.

Current subspecies: nominal plus *striolatus*.

ruginodis. *Messor barbarus* r. *ruginodis* Stitz, 1916: 374, fig. 1 (w.) CONGO.

As unavailable (infrasubspecific) name: Emery, 1922c: 98.

Subspecies of barbarus: Emery, 1921f: 71; Wheeler, W.M. 1922a: 803.

Status as species: Bolton, 1982: 353 (*nomen dubium*); Bolton, 1995b: 256.

rugosus. *Aphaenogaster barbara* var. *rugosa* André, 1881b: 75 (in text) (w.m.) ISRAEL.

Combination in *Aphaenogaster* (*Messor*): Forel, 1890a: lxx;

combination in *Messor*: Emery, 1908e: 458.

As unavailable (infrasubspecific) name: Emery, 1891b: 12; Forel, 1906c: 190; Forel, 1907a: 25.

Subspecies of barbarus: André, 1883b: 356; Forel, 1890a: lxx.

Subspecies of capitatus: Dalla Torre, 1893: 101.

Subspecies of structor: Santschi, 1923f: 320 (in text).

Status as species: Emery, 1908e: 458; Emery, 1921f: 74; Menozzi, 1933b: 54; Finzi, 1936: 159; Bernard, 1955a: 360 (in key); Tohmé, G. & Tohmé, H. 1981: 144; Kugler, J. 1988: 257; Bolton, 1995b: 256; Vonshak, et al. 2009: 42; Borowiec, L. 2014: 111 (see note in bibliography).

Current subspecies: nominal plus *bodenheimeri*.

rugosa. *Messor lobicornis* var. *rugosa* Karavaiev, 1912a: 10 (w.) ALGERIA.

[Junior secondary homonym of *Aphaenogaster barbara rugosa* André, 1881b: 75.]

Subspecies of *lobicornis*: Emery, 1921f: 74; Kiran & Karaman, 2012: 19 (error).

Replacement name: *Messor lobicornis* var. *rugulosus* Santschi, 1926e: 234.

rugulosus. *Messor lobicornis* var. *rugulosus* Santschi, 1926e: 234.

Replacement name for *Messor lobicornis rugosa* Karavaiev, 1912a: 10. [Junior secondary homonym of *Aphaenogaster barbara rugosa* André, 1881b: 75.]

Subspecies of *lobicornis*: Bolton, 1995b: 256.

Junior synonym of *submuticus*: Barech, et al. 2020: 14.

sahlbergi. *Messor barbarus* r. *sahlbergi* Forel, 1913d: 428 (w.) EGYPT.

Subspecies of barbarus: Emery, 1921f: 71; Finzi, 1936: 158; Bolton, 1995b: 257.

salina. *Messor structor* subsp. *striaticeps* var. *salina* Karavaiev, 1937: 172, fig. 1 (s.w.) UKRAINE; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Arnol'di & Dlussky, 1978: 537 (in key).

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 257.

Material referred to *jakowlevi* by Arnol'di, 1977b: 1643.

sanctus. *Messor barbarus* subsp. *sanctus* Emery, 1921f: 71.

[First available use of *Stenamma (Messor) barbarum* r. *capitatum* var. *sancta* Forel, 1905b: 176 (w.q.) TUNISIA; unavailable (infrasubspecific) name.]

Forel, 1907b: 204 (m.); Karavaiev, 1912a: 7 (q.m.).

As unavailable (infrasubspecific) name: Forel, 1907b: 204; Emery, 1908e: 449; Karavaiev, 1912a: 7; Emery, 1916b: 142; Emery, 1922c: 95.

Subspecies of barbarus: Stitz, 1930: 240; Ceballos, 1956: 301.

Subspecies of minor: Santschi, 1927c: 235; Finzi, 1929: 88; Finzi, 1929: 88; Grandi, 1935: 100; Finzi, 1940: 158.

Subspecies of instabilis: Santschi, 1923f: 325 (in text); Santschi, 1932c: 70.

Status as species: Schmitz, 1950: 16; Bernard, 1956b: 258; Bernard, 1959: 346; Baroni Urbani, 1964b: 30; Cagniant, 1964: 87; Bernard, 1967: 148 (redescription); Baroni Urbani, 1968b: 430; Cagniant, 1968a: 143; Cagniant, 1970a: 415; Baroni Urbani, 1971c: 63; Bolton, 1995b: 257; Mei, 1995: 761; Poldi, *et al.* 1995: 3; Cagniant & Espadaler, 1998: 425; Cagniant, 2006a: 197; Borowiec, L. 2014: 111; Lebas, *et al.* 2016: 292; Barech, *et al.* 2020: 15.

sanguanus. *Messor sanguanus* Collingwood & Agosti, 1996: 320 (w.) YEMEN.

Status as species: Borowiec, L. 2014: 111.

santschii. *Messor barbarus* var. *santschi* Santschi, 1910a: 44 (in text).

[First available use of *Stenamma (Messor) barbarum* r. *capitatum* var. *santschii* Forel, 1905b: 176 (w.) TUNISIA; unavailable (infrasubspecific) name.]

Forel, 1907b: 204 (q.m.); Karavaiev, 1912a: 6 (q.m.).

As unavailable (infrasubspecific) name: Forel, 1907b: 204; Emery, 1908e: 447; Emery, 1921f: 70; Santschi, 1925g: 342 (in key).

Subspecies of barbarus: Karavaiev, 1912a: 6; Bolton, 1995b: 257.

Status as species: Barech, *et al.* 2020: 18.

Senior synonym of carthaginensis: Cagniant & Espadaler, 1998: 433; Barech, *et al.* 2020: 13.

sculpturata. *Myrmica sculpturata* Nylander, 1856b: 83 (w.) ALGERIA, EGYPT.

Combination in *Atta*: Smith, F. 1858b: 165; Roger, 1859: 252;

combination in *Aphaenogaster*: Roger, 1863b: 29.

Status as species: Smith, F. 1858b: 165; Roger, 1859: 252.

Junior synonym of *arenarius*: Roger, 1862c: 292; Mayr, 1863: 395; Roger, 1863b: 29; Dalla Torre, 1893: 98; Emery, 1921f: 69; Bolton, 1995b: 257.

schelkovnikovi. *Messor melancholicus* subsp. *schelkovnikovi* Arnol'di, 1977b: 1639 (w.q.) ARMENIA.

Junior synonym of *melancholicus*: Arakelian, 1994: 36; Bolton, 1995b: 257.

schencki. *Messor capensis* var. *schencki* Wheeler, W.M. 1922a: 805.

[First available use of *Messor barbarus* subsp. *capensis* var. *schenki* Forel, 1910f: 15 (w.) NAMIBIA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Arnold, 1920a: 410; Emery, 1921f: 70; Emery, 1922c: 99; Stitz, 1923: 150.

Junior synonym of *capensis*: Bolton, 1982: 345; Bolton, 1995b: 257.

sculpturatus. *Cratomyrmex sculpturatus* Stitz, 1916: 377, fig. 2 (w.) CONGO.

Status as species: Emery, 1921f: 43.

Subspecies of *regalis*: Santschi, 1920d: 378 (in text); Wheeler, W.M. 1922a: 802.

Junior synonym of *regalis*: Bolton, 1982: 352; Bolton, 1995b: 257.

***sculpturatus**. **Messor sculpturatus* Carpenter, 1930: 32, pl. 4, fig. 5; pl. 11, fig. 5 (q.) U.S.A. (Colorado, Florissant, Eocene).

[Unresolved junior secondary homonym of *Cratomyrmex sculpturatus* Stitz, 1916: 377 (Bolton, 1995b: 257).]

Combination equivocal: Wheeler, W.M. & Creighton, 1934: 360; Bolton, 1982: 341; *incertae sedis* in *Messor*: Bolton, 1995b: 257.

Status as species: Wheeler, W.M. & Creighton, 1934: 360; Burnham, 1979: 111; Bolton, 1982: 341; Bolton, 1995b: 257.

semiruber. *Messor minor* subsp. *semiruber* Menozzi, 1934: 158. *Nomen nudum* (attributed to Forel).

[*Messor minor* subsp. *semiruber* Finzi, 1940: 159. *Nomen nudum* (attributed to Forel).]

semirubra. *Messor barbarus* subsp. *instabilis* var. *semirubra* Karavaiev, 1926b: 100 (s.w.q.) ARMENIA, AZERBAIJAN; unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 257.

Material referred to *caducus* by Arnol'di, 1977b: 1638.

semirufus. *Aphaenogaster barbara* var. *semirufa* André, 1883b: 355 (w.q.) margins of the CASPIAN SEA, SYRIA, IRAN, ETHIOPIA.

Combination in *Messor*: Emery, 1908e: 447.

As unavailable (infrasubspecific) name: Emery, 1891b: 12; Forel, 1904c: 15; Ruzsky, 1905b: 750; Forel, 1906c: 190; Kuznetsov-Ugamsky, 1923: 257; Kuznetsov-Ugamsky, 1929d: 22.

Junior synonym of *caducus*: Dalla Torre, 1893: 100.

Subspecies of barbarus: Forel, 1886d: 247; Emery, 1908e: 447; Forel, 1910a: 9; Forel, 1910c: 250; Forel, 1911d: 346; Karavaiev, 1911: 3; Forel, 1913d: 427; Santschi, 1914b: 75; Emery, 1915h: 1; Wheeler, W.M. & Mann, 1916: 170; Santschi, 1917e: 91; Crawley, 1920a: 164; Santschi, 1921a: 110; Emery, 1921f: 72; Emery, 1922c: 96; Wheeler, W.M. 1922a: 803; Emery, 1922c: 97; Viehmeyer, 1923: 87; Donisthorpe, 1950e: 1060; Chapman & Capco, 1951: 137; Weber, 1952c: 7.

Subspecies of instabilis: Santschi, 1923f: 325 (in text); Santschi, 1926f: 287.

Status as species: Santschi, 1927c: 227; Finzi, 1929: 82; Finzi, 1930b: 15; Finzi, 1930c: 22; Finzi, 1933: 163; Menozzi, 1933b: 52; Finzi, 1936: 159; Finzi, 1939c: 155; Santschi, 1939c: 6; Finzi, 1940: 158; Collingwood, 1961a: 60; Baroni Urbani, 1964a: 1; Bernard, 1967: 147 (redescription); Baroni Urbani, 1971c: 65; Baroni Urbani, 1974: 226; Aktaç, 1977: 120; Tohmé, G. & Tohmé, H. 1981: 142; Collingwood, 1985: 252; Kugler, J. 1988: 257; Baroni Urbani, Aktaç & Camiltepe, 1989: 300; Bolton, 1995b: 257; Paknia, *et al.* 2008: 155; Vonshak, *et al.* 2009: 43; Kiran & Karaman, 2012: 20; Borowiec, L. 2014: 111 (see note in bibliography); Tohmé, G. & Tohmé, 2014: 134; Bharti, Guénard, *et al.* 2016: 38; Borowiec, L. & Salata, 2020: 11; Barech, *et al.* 2020: 15.

Senior synonym of kutteri: Baroni Urbani, 1974: 227; Bolton, 1995b: 257.

Senior synonym of *nigricans*: Baroni Urbani, 1974: 227; Bolton, 1995b: 257.

Material of the unavailable name *obscurior* referred here by Baroni Urbani, 1974: 227; Bolton, 1995b: 257.

Current subspecies: nominal plus *emeryi*, *phasianicus*.

***semoni*:** *Stenamma (Messor) barbarum* var. *semoni* Forel, 1906c: 190 (footnote) (w.) ALGERIA. Karavaiev, 1912a: 10 (q.).

Combination in *Messor*: Emery, 1908e: 452.

Subspecies of *barbarus*: Emery, 1908e: 452; Forel, 1909e: 376; Karavaiev, 1912a: 9; Emery, 1921f: 72; Emery, 1922c: 97; Santschi, 1923f: 326 (in text); Santschi, 1925g: 342 (in key).

Subspecies of *capitatus*: Cagniant, 1968a: 143.

Status as species: Cagniant, 1964: 101; Bolton, 1995b: 257; Borowiec, L. 2014: 112; Barech, *et al.* 2020: 18.

***sevani*:** *Messor clivorum* subsp. *sevani* Arnol'di, 1977b: 1644 (in key).

[First available use of *Messor structor* subsp. *striaticeps* var. *sevany* Karavaiev, 1926b: 103 (s.w.) ARMENIA (Sewan I.); unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Karavaiev, 1929b: 209.

Junior synonym of *structor*: Arakelian, 1994: 39; Bolton, 1995b: 257; Gratiashvili & Barjadze, 2008: 139.

Subspecies of *clivorum*: Steiner, Csösz, *et al.* 2018: supplementary material, 8 (*nomen dubium*).

***sillemi*:** *Messor excursionis* var. *sillemi* Stärcke, 1935: 262 (w.) CHINA (Xinjiang).

Subspecies of *excursionis*: Bolton, 1995b: 257.

***similis*:** *Messor similis* Kuznetsov-Ugamsky, 1927a: 93 (in key) (w.q.m.) KYRGYZSTAN, KAZAKHSTAN.

Synonym of the unavailable name *karawayewi* Santschi, 1917e: 92: Santschi, 1927d: 248.

Status as species: Collingwood, 1970: 375 (in text).

Junior synonym of *karawajevi*: Tarbinsky, 1976: 59.

Junior synonym of *rufus*: Santschi, 1927d: 248; Kuznetsov-Ugamsky, 1929d: 6; Arnol'di, 1977b: 1642 (in key); Bolton, 1995b: 257.

***sordidus*:** *Aphaenogaster (Messor) barbara* r. *sordida* Forel, 1892g: 452 (w.) SPAIN.

Santschi, 1917e: 89 (s.).

Combination in *Messor*: Emery, 1897f: 239; Emery, 1908e: 457.

As unavailable (infrasubspecific) name: Emery, 1921b: 210; Emery, 1922c: 97.

Subspecies of *barbarus*: Forel, 1894a: 162; Forel, 1895d: 229; Emery, 1908e: 457; Santschi, 1917e: 89; Emery, 1921f: 72; Santschi, 1923f: 326 (in text); Santschi, 1925g: 342 (in key); Wheeler, W.M. 1927g: 104; Wellenius, 1955: 5; Ceballos, 1956: 302; Báez & Ortega, 1978: 190.

Junior synonym of *ibericus*: Collingwood, 1978: 68.

Junior synonym of *barbarus*: Cagniant & Espadaler, 1998: 424; Casevitz-Weulersse & Galkowski, 2009: 488.

Status as species: Bondroit, 1918: 152; Cagniant, 1964: 88; Bernard, 1967: 145 (redescription); Bernard, 1980: 266; Barquin Diez, 1981: 101; Bolton, 1995b: 257; Barech, *et al.* 2020: 17.

splendens. *Messor barbarus* subsp. *capitatus* var. *splendens* Karavaiev, 1912a: 8 (s.w.) ALGERIA; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Emery, 1921f: 72; Emery, 1922c: 95; Santschi, 1927c: 231; Barech, *et al.* 2020: 18.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 257.

striatellus. *Messor striatellus* Arnol'di, 1970a: 81, figs. 4(4), 5(1,2) (w.) TAJIKISTAN.

Status as species: Arnol'di, 1977b: 1647 (in key); Bolton, 1995b: 257; He & Song, 2009: 724; Guénard & Dunn, 2012: 45.

striaticeps. *Aphaenogaster barbara* var. *striaticeps* André, 1883b: 356 (w.) CAUCASUS, TUNISIA.

Forel, 1890a: lxix (q.); Karavaiev, 1926b: 102 (m.); Wheeler, G.C. & Wheeler, J. 1953b: 68 (l.).

Combination in *Aphaenogaster* (*Messor*): Forel, 1890a: lxix; Ruzsky, 1905b: 753;

combination in *Stenamma* (*Messor*): Forel, 1902a: 149; Ruzsky, 1902d: 28;

combination in *Messor*: Emery, 1908e: 452.

Subspecies of *barbarus*: Forel, 1890a: lxix; Emery, 1891b: 10, 12; Emery, in Dalla Torre, 1893: 100 (footnote); Forel, 1894d: 31; Forel, 1895d: 233; Forel, 1902a: 149; Ruzsky, 1902d: 28; Ruzsky, 1905b: 753; Forel, 1908a: 14; Emery, 1908e: 452; Forel, 1909e: 379; Santschi, 1910f: 234; Karavaiev, 1911: 4; Karavaiev, 1912a: 10; Stitz, 1917: 343; Emery, 1921f: 72.

Subspecies of *structor*: Santschi, 1923f: 318 (redescription); Karavaiev, 1926b: 101; Karavaiev, 1927a: 286; Karavaiev, 1927c: 261 (in key); Kuznetsov-Ugamsky, 1929b: 45; Karavaiev, 1929b: 209; Karavaiev, 1934: 108; Karavaiev, 1935b: 107; Karavaiev, 1937: 172.

Status as species: Dalla Torre, 1893: 105; Bernard, 1955a: 355 (redescription); Cagniant, 1968a: 142; Cagniant, 1970a: 415; Collingwood, 1985: 252; Bolton, 1995b: 257; Collingwood & Agosti, 1996: 321; Borowiec, L. 2014: 112.

striatifrons. *Messor denticornis* var. *striatifrons* Stitz, 1923: 149 (w.) NAMIBIA.

Status as species: Bolton, 1982: 353 (redescription); Bolton, 1995b: 257.

striativentris. *Messor barbarus* subsp. *striativentris* Emery, 1908e: 453.

[First available use of *Aphaenogaster* (*Messor*) *barbarus* r. *striaticeps* var. *striativentris* Forel, 1894d: 31 (w.) ALGERIA; unavailable (infrasubspecific) name.]

[Misspelled as *striventris* by Santschi, 1939d: 70.]

Subspecies of *barbarus*: Santschi, 1910a: 45; Emery, 1921f: 72.

Subspecies of *aegyptiacus*: Santschi, 1929e: 142; Santschi, 1939d: 69.

Status as species: Santschi, 1923f: 320; Finzi, 1930b: 15; Cagniant, 1966b: 279; Cagniant, 1968a: 143; Cagniant, 1970a: 416; Bolton, 1995b: 257; Cagniant & Espadaler, 1998: 429; Cagniant, 2006a: 197; Borowiec, L. 2014: 112; Barech, *et al.* 2020: 17.

Material of the unavailable name *falcistriiae* referred here by Cagniant & Espadaler, 1998: 429.

striatulus. *Aphaenogaster capitata* var. *striatula* Dalla Torre, 1893: 101.

[First available use of *Aphaenogaster* (*Messor*) *barbarus* r. *capitatus* var. *striatulus* Emery, 1891b: 11 (in text), 12 (in list) (w.) TUNISIA, ALGERIA; unavailable (infrasubspecific) name.]

[Misspelled as *striatus* by Santschi, 1936c: 200.]

Cagniant & Espadaler, 1998: 429 (q.m.).

Combination in *Messor*: Emery, 1908e: 453.

As unavailable (infrasubspecific) name: Forel, 1905b: 176; Emery, 1908e: 453; Karavaiev, 1912a: 10; Stitz, 1917: 343; Emery, 1921f: 72.

Subspecies of *aegyptiacus*: Santschi, 1923f: 321; Santschi, 1936c: 200; Bernard, 1953a: 142 (in key); Bolton, 1995b: 257.

Status as species: Cagniant & Espadaler, 1998: 429; Cagniant, 2006a: 197; Borowiec, L. 2014: 112; Barech, *et al.* 2020: 17.

Material of the unavailable name *curvispina* referred here by Santschi, 1923f: 321 (in text); Donisthorpe, 1944a: 3 (in text).

striatus, misspelling, see under *striatulus*.

***striolatus*.** *Messor similis* var. *striolatus* Kuznetsov-Ugamsky, 1927a: 92 (in key) (w.) UZBEKISTAN.

As unavailable (infrasubspecific) name: Santschi, 1927d: 248.

Subspecies of *rufus*: Kuznetsov-Ugamsky, 1929d: 9; Bolton, 1995b: 257.

striventris, misspelling, see under *striativentris*.

***structor*.** *Formica structor* Latreille, 1798: 46 (w.m.) FRANCE.

Latreille, 1802c: 237 (q.).

Combination in *Manica*: Jurine, 1807: 279;

combination in *Atta*: Latreille, 1809: 130; Lepeletier de Saint-Fargeau, 1835: 174; Mayr, 1855: 464; Smith, F. 1858b: 162;

combination in *Myrmica*: Nylander, 1856b: 85;

combination in *Aphaenogaster*: Roger, 1863b: 29;

combination in A. (*Messor*): Forel, 1892i: 316;

combination in *Stenamma (Messor)*: Emery, 1898c: 126;

combination in *Messor*: Emery, 1897f: 238; Ruzsky, 1903b: 315; Emery, 1908e: 455.

Subspecies of *barbarus*: Emery, 1908e: 455; Forel, 1910a: 9; Karavaiev, 1910b: 67; Forel, 1911d: 346; Emery, 1912f: 96; Karavaiev, 1912a: 10; Stitz, 1914: 69; Emery, 1914d: 156; Emery, 1915h: 1; Wheeler, W.M. & Mann, 1916: 170; Emery, 1916b: 143; Santschi, 1917e: 91; Escherich, 1917: 327; Menozzi, 1918: 83; Santschi, 1921a: 110; Menozzi, 1921: 26; Emery, 1921b: 210; Emery, 1921f: 73; Soudek, 1922: 34; Finzi, 1923: 3; Emery, 1924b: 12; Ceballos, 1956: 301.

Status as species: Latreille, 1802c: 236; Jurine, 1807: 279; Latreille, 1809: 130; Lepeletier de Saint-Fargeau, 1835: 174; Schilling, 1839: 56; Brullé, 1840: 84; Schenck, 1852: 113; Mayr, 1855: 464 (redescription); Nylander, 1856b: 85; Gredler, 1858: 30; Smith, F. 1858b: 162; Roger, 1859: 253; Mayr, 1861: 66 (in key); Smith, F. 1861a: 35; Roger, 1863b: 29; Mayr, 1863: 397; Mayr, 1867a: 93 (redescription); Emery, 1869b: 17; Walker, 1871: 10; Dours, 1873: 167; Forel, 1874: 74 (in key); André, 1874: 195 (in key); Mayr, 1877: 14; Emery, 1878b: 58; Emery & Forel, 1879: 461; Mayr, 1880: 33; Emery, 1881b: 534; André, 1883b: 353 (in key); Forel, 1886e: clxviii; Forel, 1889: 257; Nasonov, 1889: 37; Saunders, E. 1890: 204; Forel, 1892i: 316; Dalla Torre, 1893: 105; Forel, 1895d: 227; Ruzsky, 1896: 74; Emery, 1898c: 140; Ruzsky, 1902a: 235; Ruzsky, 1902d: 27; Ruzsky, 1903b: 315; Forel, 1904b: 373; Ruzsky, 1905b: 728; Forel, 1906c: 190; Forel, 1907e: 15; Forel, 1909c: 104; Forel, 1915d: 35 (in key); Bondroit, 1918: 150; Kuznetsov-Ugamsky, 1923: 256; Müller, 1923b: 60; Finzi, 1924a: 13; Lomnicki, 1925b: 2; Wheeler, W.M. 1926: 2; Donisthorpe, 1926a: 7; Menozzi, 1926b: 181; Karavaiev, 1926b: 101; Karavaiev, 1927a: 286; Kuznetsov-Ugamsky, 1927a: 92 (in key); Karavaiev,

1927c: 261 (in key); Kutter, 1927: 99; Kuznetsov-Ugamsky, 1929d: 12; Finzi, 1929: 90; Karavaiev, 1929b: 209; Finzi, 1930d: 312; Cori & Finzi, 1931: 238; Santschi, 1931a: 4; Soudek, 1931: 8; Arnol'di, 1933b: 600 (in key); Karavaiev, 1934: 108; Grandi, 1935: 100; Zimmermann, 1935: 14; Finzi, 1936: 160; Finzi, 1939c: 155; Donisthorpe, 1950e: 1059; Consani & Zangheri, 1952: 40; Bernard, 1955a: 361 (in key); Bernard, 1956b: 258; Baroni Urbani, 1964a: 2; Baroni Urbani, 1964b: 41; Baroni Urbani, 1964c: 150; Bernard, 1967: 144 (redescription); Baroni Urbani, 1968b: 436; Collingwood & Yarrow, 1969: 64; Baroni Urbani, 1971c: 66; Baroni Urbani, 1974: 232; Collingwood, 1978: 81 (in key); Schembri & Collingwood, 1981: 427; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); Dlussky, Soyunov & Zabelin, 1990: 224; Casevitz-Weulersse, 1990b: 156 (in key); Le Moli & Rosi, 1991: 30; Arakelian, 1994: 38; Bolton, 1995b: 257; Mei, 1995: 762; Espadaler, 1997b: 30; Cagniant & Espadaler, 1998: 423; Gallé, *et al.* 1998: 214; Czechowski, *et al.* 2002: 37; Markó & Csösz, 2002: 116; Karaman, M.G. & Karaman, 2003: 43; Bračko, 2006: 137; Cagnaint, 2006a: 197; Markó, Sipos, *et al.* 2006: 69; Petrov, 2006: 92 (in key); Schultz, R. *et al.* 2006: 203; Bračko, 2007: 17; Seifert, 2007: 214; Werner & Wiezik, 2007: 140, 147; Zryanin & Zryanina, 2007: 231; Wetterer, *et al.* 2007: 14; Gratiashvili & Barjadze, 2008: 139; Paknia, *et al.* 2008: 155; Borowiec, M.L. *et al.* 2009: 378; Casevitz-Weulersse & Galkowski, 2009: 489; Vonshak, *et al.* 2009: 43; Boer, 2010: 61; Lapeva-Gjonova, *et al.* 2010: 15; Csösz, *et al.* 2011: 56; Karaman, M.G. 2011b: 38; Legakis, 2011: 11; Borowiec, L. & Salata, 2012: 515; Czechowski, *et al.* 2012: 119; Guénard & Dunn, 2012: 45; Kiran & Karaman, 2012: 20; Borowiec, L. 2014: 112; Lebas, *et al.* 2016: 298; Radchenko, 2016: 171; Salata & Borowiec, 2018c: 46; Seifert, 2018: 177; Steiner, Csösz, *et al.* 2018: 399 (redescription); Werner, *et al.* 2018: 7; Salata & Borowiec, 2019a: 64; Barech, *et al.* 2020: 17.

Senior synonym of *aedificator*: Mayr, 1855: 464; Smith, F. 1858b: 162; Mayr, 1863: 397; Roger, 1863b: 29; André, 1874: 203 (in list); Forel, 1874: 101 (in list); Emery & Forel, 1879: 462; Dalla Torre, 1893: 105; Emery, 1921f: 73; Bolton, 1995b: 257; Czechowski, *et al.* 2002: 37; Czechowski, *et al.* 2012: 120; Radchenko, 2016: 171; Steiner, Csösz, *et al.* 2018: supplementary material, 6.

Senior synonym of *darianus*: Dlussky, Soyunov & Zabelin, 1990: 224; Bolton, 1995b: 257; Radchenko, 2016: 171.

Senior synonym of *jakowlevi*: Dlussky, Soyunov & Zabelin, 1990: 224; Bolton, 1995b: 257; Radchenko, 2016: 171.

Senior synonym of *lapidum*: Nylander, 1856b: 85; Smith, F. 1858b: 162; Smith, F. 1861a: 35; Mayr, 1863: 397; Roger, 1863b: 29; Forel, 1874: 100 (in list); Emery & Forel, 1879: 462; Dalla Torre, 1893: 105; Ruzsky, 1905b: 728; Emery, 1921f: 73; Bolton, 1995b: 257; Radchenko, 2016: 171; Steiner, Csösz, *et al.* 2018: 399.

Senior synonym of *romanus*: Dlussky, Soyunov & Zabelin, 1990: 224; Bolton, 1995b: 257.

Senior synonym of *rufitarsis* Fabricius: Nylander, 1856b: 85; Smith, F. 1858b: 162; Mayr, 1863: 397; Roger, 1863b: 29; Forel, 1874: 101 (in list); Emery & Forel, 1879: 462; Nasonov, 1889: 37; Dalla Torre, 1893: 105; Ruzsky, 1905b: 728; Emery, 1921f: 73; Agosti & Collingwood, 1987a: 54; Casevitz-Weulersse, 1990b: 154; Dlussky, Soyunov & Zabelin, 1990: 224; Atanassov & Dlussky, 1992: 115; Arakelian, 1994: 39; Bolton, 1995b: 257; Gallé, *et al.* 1998: 214; Czechowski, *et al.* 2002: 37; Gratiashvili &

Barjadze, 2008: 139; Casevitz-Weulersse & Galkowski, 2009: 489; Csösz, *et al.* 2011: 56; Legakis, 2011: 11; Czechowski, *et al.* 2012: 120; Kiran & Karaman, 2012: 20; Radchenko, 2016: 171; Steiner, Csösz, *et al.* 2018: 399.

Senior synonym of *subpolitus*: Dlussky, Soyunov & Zabelin, 1990: 224; Bolton, 1995b: 257; Radchenko, 2016: 171.

Senior synonym of *turanicus*: Dlussky, Soyunov & Zabelin, 1990: 224; Bolton, 1995b: 257; Radchenko, 2016: 171.

Current subspecies: nominal plus *tyrrhenus*.

***subgracilinodis*.** *Messor subgracilinoclis* Arnol'di, 1970a: 73, fig. 1(1,2) (w.q.) TURKMENISTAN.

[Justified emendation of spelling to *subgracilinodis*: Arnol'di, 1970a: 87 (caption of fig. 1); Arnol'di, 1977b: 1642.]

Status as species: Arnol'di, 1977b: 1642 (in key); Dlussky, 1981a: 17; Dlussky, Soyunov & Zabelin, 1990: 226; Bolton, 1995b: 257; Collingwood & Agosti, 1996: 322; Collingwood & Heatwole, 2000: 7; Paknia, *et al.* 2010: 33; Guénard & Dunn, 2012: 45; Borowiec, L. 2014: 113.

sublaeviceps. *Messor sublaeviceps* Santschi, 1927c: 241.

[First available use of *Messor barbarus* st. *mediorubra* var. *sublaeviceps* Santschi, 1910a: 45 (w.q.) TUNISIA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1912f: 98; Santschi, 1917e: 90.

[Note: Santschi, 1917e: 90, Emery, 1921f: 71, refer *sublaeviceps* material to *meridionalis*.]

Status as species: Santschi, 1939d: 71; Finzi, 1940: 159.

Subspecies of *medioruber*: Cagniant, 1970a: 416; Bolton, 1995b: 257.

Junior synonym of *instabilis*: Bernard, 1953a: 141 (in text).

Junior synonym of *medioruber*: Cagniant & Espadaler, 1998: 426.

***submuticus*.** *Messor lobicornis* var. *submutica* Emery, 1908e: 459 (w.) TUNISIA.

Subspecies of *lobicornis*: Forel, 1909e: 376; Emery, 1921f: 74; Bolton, 1995b: 257.

Senior synonym of *rugulosus*: Barech, *et al.* 2020: 14.

subpolitus. *Messor structor* var. *subpolitus* Kuznetsov-Ugamsky, 1927a: 92 (in key) (w.) KYRGYZSTAN, UZBEKISTAN.

Subspecies of *structor*: Kuznetsov-Ugamsky, 1929d: 15.

Junior synonym of *clivorum*: Tarbinsky, 1976: 56; Bolton, 1995b: 257.

Junior synonym of *structor*: Dlussky, Soyunov & Zabelin, 1990: 224; Radchenko, 2016: 171.

***sultanus*.** *Messor barbarus* var. *sultana* Santschi, 1917e: 89 (w.) ISRAEL.

Tohmé, G. & Tohmé, H. 1981: 149 (q.m.).

As unavailable (infrasubspecific) name: Emery, 1921f: 70.

Subspecies of *barbarus*: Emery, 1922c: 95; Santschi, 1923f: 326 (in text); Santschi, 1925g: 342 (in key); Santschi, 1927c: 246; Menozzi, 1933b: 56 (in key).

Status as species: Tohmé, G. & Tohmé, H. 1981: 148; Agosti & Collingwood, 1987a: 54; Agosti & Collingwood, 1987b: 271 (in key); Kugler, J. 1988: 257; Collingwood, 1993b: 194; Bolton, 1995b: 257; Petrov, 2006: 93 (in key); Vonshak, *et al.* 2009: 43; Legakis, 2011: 12; Borowiec, L. & Salata, 2012: 516; Kiran & Karaman, 2012: 20; Borowiec, L. 2014: 113; Tohmé, G. & Tohmé, 2014: 134; Borowiec, L. & Salata, 2020: 13.

***surcoufi*.** *Messor aegyptiacus* var. *surcoufi* Santschi, 1923f: 324 (w.) ALGERIA.

As unavailable (infrasubspecific) name: Santschi, 1929c: 98; Santschi, 1934f: 166.

Subspecies of *aegyptiacus*: Bernard, 1953a: 142 (in key); Bolton, 1995b: 257.
Subspecies of *foreli*: Cagniant & Espadaler, 1998: 428; Cagniant, 2006a: 197.
Junior synonym of *fossulatus*: Barech, *et al.* 2020: 15.

syriacus. *Messor syriacus* Tohmé, G. 1969: 9.

[First available use of *Messor minor* st. *laboriosus* var. *syriacus* Santschi, 1927c: 241 (w.m.) SYRIA; unavailable (infrasubspecific) name.]
Tohmé, G. 1969: 9 (m.); Tohmé, G. & Tohmé, H. 1981: 146 (q.m.).
As unavailable (infrasubspecific) name: Santschi, 1927d: 247.

Subspecies of *minor*: Arnol'di, 1977b: 1640 (in key); Arakelian, 1994: 37.

Status as species: Tohmé, G. & Tohmé, H. 1981: 145; Collingwood, 1985: 252; Kugler, J. 1988: 257; Bolton, 1995b: 257; Collingwood & Agosti, 1996: 322; Vonshak, *et al.* 2009: 43; Kiran & Karaman, 2012: 21; Borowiec, L. 2014: 113; Tohmé, G. & Tohmé, 2014: 135; Khalili-Moghadam, *et al.* 2019: 177.

tadzhikorum. *Messor rufitarsis* subsp. *tadzhikorum* Arnol'di, 1970a: 79 (s.w.q.) TAJIKISTAN.

Subspecies of *rufitarsis* Fabricius: Arnol'di, 1977b: 1644 (in key).

Subspecies of *structor*: Bolton, 1995b: 257.

Status as species: Steiner, Csösz, *et al.* 2018: supplementary material, 8.

tamerlani. *Messor minor* st. *aralocaspicus* var. *tamerlani* Santschi, 1927c: 240 (w.) KAZAKHSTAN, TURKMENISTAN; unavailable (infrasubspecific) name.
As unavailable (infrasubspecific) name: Kuznetsov-Ugamsky, 1929d: 17; Finzi, 1936: 159.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 257.

Material referred to *aralocaspicus* by Dlussky, Soyunov & Zabelin, 1990: 218.

tataricus. *Aphaenogaster (Messor) tataricus* Ruzsky, 1905b: 738 (w.) RUSSIA.

[Misspelled as *tartaricus* by He & Song, 2009: 724.]

As unavailable (infrasubspecific) name: Emery, 1922c: 97.

Subspecies of *barbarus*: Emery, 1921f: 73.

Subspecies of *clivorum*: Arnol'di, 1977b: 1644 (in key); Arnol'di & Dlussky, 1978: 537 (in key).

Junior synonym of *structor*: Dlussky, Soyunov & Zabelin, 1990: 224; Atanassov & Dlussky, 1992: 114; Bolton, 1995b: 257; Radchenko, 2016: 171.

Status as species: He & Song, 2009: 724; Steiner, Csösz, *et al.* 2018: supplementary material, 8 (*nomen dubium*).

testaceus. *Messor testaceus* Donisthorpe, 1950c: 68 (s.w.) TURKEY.

Status as species: Bolton, 1995b: 258; Kiran & Karaman, 2012: 21; Borowiec, L. 2014: 113.

testaceus. *Messor testaceus* Bernard, 1980: 266 (w.) SYRIA (attributed to André).

[Unresolved junior primary homonym of *Messor testaceus* Donisthorpe, 1950c: 68.]

thebaicus. *Messor arenarius* st. *thebaicum* Santschi, 1912b: 164 (s.w.) EGYPT.

Subspecies of *arenarius*: Emery, 1921f: 69; Santschi, 1938a: 35; Bolton, 1995b: 258.

thoracica. *Atta thoracica* Mayr, 1862: 742, pl. 19, fig. 12 (w.) SYRIA.

Combination in *Aphaenogaster*: Roger, 1863b: 30.

Status as species: Mayr, 1863: 397.

Junior synonym of *rufotestaceus*: Roger, 1863b: 30; Emery, 1921f: 74; Bolton, 1995b: 258.

thyrrrena, misspelling, see under *tyrrhenus*.

tingitanus. *Messor barbarus* st. *sordidus* var. *tingitanus* Emery, in Santschi, 1925g: 342 (in key) (w.) MOROCCO; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Santschi, 1939c: 2.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 258.

timidus. *Messor timidus* Espadaler, 1997a: 153 (s.w.q.) SPAIN.

Status as species: Borowiec, L. 2014: 113; Lebas, *et al.* 2016: 292.

triimpressa. *Messor galla* var. *triimpressa* Santschi, 1930a: 58.

[First available use of *Messor barbarus* st. *galla* var. *triimpressa* Santschi, 1917e: 92 (w.) CHAD, ETHIOPIA, SENEGAL; unavailable (infrasubspecific) name.]

Santschi, 1930a: 58 (q.m.).

As unavailable (infrasubspecific) name: Emery, 1921f: 70; Emery, 1922c: 98; Wheeler, W.M. 1922a: 804.

Junior synonym of *galla*: Bolton, 1982: 350; Bolton, 1995b: 258.

tropicorum. *Messor capensis* var. *tropicorum* Wheeler, W.M. 1922a: 805.

[First available use of *Messor barbarus* subsp. *capensis* var. *tropicorum* Forel, 1910e: 444 (w.) ANGOLA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1921f: 70; Emery, 1922c: 99.

Subspecies of capensis: Santschi, 1930b: 55.

Status as species: Bolton, 1982: 354 (redescription); Bolton, 1995b: 258.

Senior synonym of laevifrons: Bolton, 1982: 354; Bolton, 1995b: 258.

Senior synonym of nigriventris: Bolton, 1982: 354; Bolton, 1995b: 258.

tunetinus. *Messor aegyptiacus* var. *tunetinus* Santschi, 1923f: 321.

[First available use of *Messor barbarus* subsp. *aegyptiaca* var. *tunetina* Emery, 1922c: 96 (w.) TUNISIA; unavailable (infrasubspecific) name.]

Finzi, 1930b: 14 (q.).

Subspecies of aegyptiacus: Finzi, 1930b: 14; Bernard, 1953a: 142 (in key); Bolton, 1995b: 258; Barech, *et al.* 2020: 15.

turanicus. *Messor structor* subsp. *turanicus* Kuznetsov-Ugamsky, 1927a: 91 (in key) (w.) UZBEKISTAN, KAZAKHSTAN.

Subspecies of *structor*: Kuznetsov-Ugamsky, 1929d: 14.

Synonym of *darianus*: Santschi, 1927d: 247; Pisarski, 1967: 383; Pisarski, 1970: 306; Tarbinsky, 1976: 54; Arnol'di, 1977b: 1644.

[Note: Santschi, Pisarski, Tarbinsky, and Arnol'di all give *darianus* as senior synonym, but *turanicus* has priority (Bolton, 1995b: 258).]

Junior synonym of *structor*: Dlussky, Soyunov & Zabelin, 1990: 224; Bolton, 1995b: 258; Radchenko, 2016: 171.

turcmenochorassanicus. *Messor clivorum* subsp. *turcmenochorassanicus* Arnol'di, 1977b: 1639 (w.q.) TURKMENISTAN.

Status as species: Dlussky, Soyunov & Zabelin, 1990: 227; Bolton, 1995b: 258; Paknia, *et al.* 2010: 33; Borowiec, L. 2014: 113.

tyrrhenus. *Stenamma (Messor) structor* var. *tyrrhenica* Emery, 1898c: 141 (w.q.m.) ITALY.

[Misspelled as *thyrrrena* by Emery, 1921b: 210.]

Combination in *Messor*: Emery, 1908e: 456.

As unavailable (infrasubspecific) name: Emery, 1908e: 456; Forel, 1911d: 347; Emery, 1912f: 97; Karavaiev, 1912a: 10; Krausse, 1912b: 164; Emery, 1915a: 245; Emery, 1916b: 143; Menozzi, 1918: 82; Emery, 1921f: 73; Menozzi, 1921: 26; Soudek, 1925b: 15.

Subspecies of *barbarus*: Ceballos, 1956: 302.

Junior synonym of *rufitarsis* Fabricius: Bernard, 1967: 144; Collingwood, 1978: 68.

Junior synonym of *structor*: Emery, 1921b: 210; Finzi, 1924a: 13; Finzi, 1929: 90; Zimmermann, 1935: 15; Baroni Urbani, 1971c: 66; Bolton, 1995b: 258; Casevitz-Weulersse & Galkowski, 2009: 489; Kiran & Karaman, 2012: 20; Radchenko, 2016: 171.

Subspecies of *structor*: Forel, 1915d: 35 (in key); Wheeler, W.M. 1926: 2; Kutter, 1927: 99; Steiner, Csösz, *et al.* 2018: supplementary material, 6 (*nomen dubium*).

***valentinae*.** *Messor valentinae* Arnol'di, 1970a: 75, fig. 1(3,4) (s.w.) TAJIKISTAN.

Status as species: Tarbinsky, 1976: 64 (redescription); Arnol'di, 1977b: 1642 (in key); Bolton, 1995b: 258; Schultz, R. *et al.* 2006: 206; He & Song, 2009: 725; Guénard & Dunn, 2012: 45.

***variabilis*.** *Messor variabilis* Kuznetsov-Ugamsky, 1927a: 94 (w.) TURKMENISTAN.

Arnol'di, 1970a: 87 (m.).

Status as species: Kuznetsov-Ugamsky, 1929d: 10; Pisarski, 1970: 307; Arnol'di, 1970a: 87; Arnol'di, 1977b: 1646 (in key); Dlussky, 1981a: 17; Dlussky, Soyunov & Zabelin, 1990: 228; Bolton, 1995b: 258; Paknia, *et al.* 2010: 33; Borowiec, L. 2014: 114; Khalili-Moghadam, *et al.* 2019: 177.

Senior synonym of *macrops*: Arnol'di, 1977b: 1646 (in key); Bolton, 1995b: 258.

***varrialei*.** *Messor barbarus* subsp. *varrialei* Emery, 1921b: 215, fig. 6 (s.) TURKEY.

Subspecies of *barbarus*: Emery, 1922c: 97; Santschi, 1926f: 290; Finzi, 1939c: 154.

Junior synonym of *structor*: Atanassov & Dlussky, 1992: 114; Bolton, 1995b: 258; Legakis, 2011: 11; Kiran & Karaman, 2012: 20.

Status as species: Steiner, Csösz, *et al.* 2018: supplementary material, 7; Salata & Borowiec, 2019a: 65.

Senior synonym of *aegaeus*: Steiner, Csösz, *et al.* 2018: supplementary material, 7.

***vaucheri*.** *Messor vaucheri* Emery, 1908e: 441, fig. 2 (w.) MOROCCO.

Status as species: Emery, 1921f: 74; Santschi, 1939c: 2; Bolton, 1995b: 258; Cagniant & Espadaler, 1998: 432; Cagnaint, 2006a: 197; Borowiec, L. 2014: 114; Barech, *et al.* 2020: 14.

***vicinus*.** *Messor vicinus* Kuznetsov-Ugamsky, 1927a: 94 (in key) (w.) TURKMENISTAN.

Status as species: Kuznetsov-Ugamsky, 1929d: 9; Pisarski, 1967: 383; Arnol'di, 1977b: 1647 (in key); Dlussky, 1981a: 17; Dlussky, Soyunov & Zabelin, 1990: 228; Bolton, 1995b: 258.

***virginalis*.** *Messor luridus* var. *virginalis* Santschi, 1927c: 245 (w.) SYRIA.

Subspecies of *luridus*: Bolton, 1995b: 258.

***vizir*.** *Messor barbarus* st. *sultana* var. *vizir* Santschi, 1927c: 246 (w.) GREECE (Rhodes I.); unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 258; Legakis, 2011: 12.

***wasmanni*.** *Messor barbarus* subsp. *wasmanni* Krausse, 1910: 524 (in text) (w.) ITALY (Sardinia).

[Also described as new by Krausse, 1911: 15.]

Finzi, 1929: 83 (q.); Finzi, 1933: 163 (m.).

As unavailable (infrasubspecific) name: Krausse, 1912b: 164; Emery, 1915a: 249; Emery, 1916b: 142; Santschi, 1917e: 90; Emery, 1921f: 71; Menozzi, 1921: 26; Emery, 1922c: 94.

Subspecies of *barbarus*: Emery, 1912f: 97.

Subspecies of *semirufus*: Santschi, 1927c: 230; Finzi, 1928c: 788; Finzi, 1929: 82; Finzi, 1930d: 312; Finzi, 1933: 163; Zimmermann, 1935: 17.

Subspecies of *meridionalis*: Bondroit, 1920b: 305; Baroni Urbani, 1964b: 30 (footnote); Baroni Urbani, 1969a: 331; Baroni Urbani, 1968b: 434; Baroni Urbani, 1971c: 59.

Junior synonym of *semirufus*: Bernard, 1967: 147; Baroni Urbani, 1974: 227.

Junior synonym of *meridionalis*: Collingwood, 1978: 68; Poldi, *et al.* 1995: 3.

Status as species: Casevitz-Weulersse, 1990b: 156 (in key); Collingwood, 1993b: 194; Bolton, 1995b: 258; Collingwood & Agosti, 1996: 322; Bračko, 2006: 137; Petrov, 2006: 92 (in key); Bračko, 2007: 17; Casevitz-Weulersse & Galkowski, 2009: 489; Karaman, M.G. 2011b: 40; Legakis, 2011: 11; Borowiec, L. & Salata, 2012: 516; Kiran & Karaman, 2012: 21; Borowiec, L. & Salata, 2013: 385 (in text); Borowiec, L. 2014: 114; Bračko, *et al.* 2014: 14; Lebas, *et al.* 2016: 300; Borowiec, L. & Salata, 2018: 6; Salata & Borowiec, 2018c: 46; Salata & Borowiec, 2019a: 66.

wernerii. *Messor barbarus* subsp. *varrialei* var. *wernerii* Finzi, 1928c: 789 (w.) GREECE; unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Finzi, 1939c: 155.

Declared as unavailable (infrasubspecific) name: Agosti & Collingwood, 1987a: 61; Bolton, 1995b: 258; Legakis, 2011: 12.