

MYRMICA

aborigenica. *Myrmica aborigenica* Zhigul'skaya, 1991: 58, figs. (w.q.m.) RUSSIA (Magadan).

Status as species: Zhigul'skaya, Kipyatkov & Kipyatkova, 1992: 72; Bolton, 1995b: 277 (error).

Junior synonym of *kamtschatica*: Radchenko, 1994g: 86; Radchenko & Elmes, 2010: 161.

adelaidae Smith, F. 1858; see under **PODOMYRMA**.

ademonia. *Myrmica ademonia* Bolton, 1995b: 277.

Replacement name for *Myrmica aspersa* Kupyanskaya, 1990: 105. [Junior primary homonym of *Myrmica aspersa* Smith, F. 1865: 72.]

Status as species: Radchenko, 2005b: 138; Radchenko & Elmes, 2010: 79.

adrijae. *Myrmica adrijae* Bharti, 2012b: 10, figs. 1-3 (w.) INDIA (Himachal Pradesh).

Status as species: Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 960.

aemula* Heer, 1849; see under *PARAPHAENOGASTER**.

afghanica. *Myrmica afghanica* Radchenko & Elmes, 2003b: 3, figs. 1-12 (w.q.) AFGHANISTAN.

Status as species: Radchenko & Elmes, 2010: 81; Bharti, Sasi & Radchenko, 2016: 961.

agilis Smith, F. 1857; see under **PHEIDOLE**.

ahngeri. *Myrmica scabrinodis* var. *ahngeri* Karavaiev, 1926f: 66, fig. 3 (w.) RUSSIA.

Subspecies of *scabrinodis*: Karavaiev, 1927c: 259 (in key); Weber, 1950b: 203; Arnol'di, 1970b: 1837 (in key); Arnol'di & Dlussky, 1978: 534 (in key).

Junior synonym of *specioides*: Seifert, 1988b: 16; Bolton, 1995b: 277; Güsten, *et al.* 2006: 29.

Junior synonym of *salina*: Seifert, 2011: 183.

Junior synonym of *scabrinodis*: Radchenko, 1994e: 79; Radchenko & Elmes, 2010: 259; Radchenko, 2016: 133.

aimonissabaudiae. *Myrmica aimonissabaudiae* Menozzi, 1939a: 286, figs. 1, 3 (w.q.) PAKISTAN.

[Misspelled as *amedeussabaudiae* by Menozzi, 1939a: 289.]

[Also described as new by Menozzi, in Weber, 1947: 464.]

Collingwood, 1961a: 56 (m.).

Status as species: Eidmann, 1942: 245; Collingwood, 1961a: 56; Pisarski, 1967: 378; Bolton, 1995b: 277; Radchenko & Elmes, 2001a: 248; Radchenko & Elmes, 2010: 82; Bharti, Sasi & Radchenko, 2016: 961.

Senior synonym of *dicaporiacoi*: Radchenko & Elmes, 2001a: 248; Radchenko & Elmes, 2010: 82; Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 961.

alajensis. *Myrmica tianshanica* subsp. *alajensis* Arnol'di, 1976a: 550 (w.) KYRGYZSTAN.

Status as species: Bolton, 1995b: 277 (error).

Junior synonym of *juglandeti*: Radchenko, 1994f: 74; Radchenko & Elmes, 2010: 158.

alaskensis. *Myrmica brevinodis* var. *alaskensis* Wheeler, W.M. 1917a: 503 (w.) U.S.A. (Alaska) (date of publication (31).i.1917).

Subspecies of *brevinodis*: Wheeler, W.M. 1917e: 16; Emery, 1921f: 37.

Synonym of *kuschei*: Creighton, 1950a: 97; Smith, D.R. 1979: 1349.

[Note: Creighton, and Smith, give *kuschei* as senior synonym, but *alaskensis* has priority.]

Junior synonym of *brevinodis*: Weber, 1950b: 189; Smith, M.R. 1951a: 789.

Status as species: Francoeur, 1986b: 57; Wheeler, G.C., *et al.* 1994: 303; Bolton, 1995b: 277; Ellison, *et al.* 2012: 280.

Senior synonym of *kuschei*: Francoeur, 1986b: 57; Bolton, 1995b: 277.

albuferensis. *Myrmica albuferensis* Lomnicki, 1925b: 2 (w.) SPAIN (Balearic Is.).

Junior synonym of *rolandi*: Finzi, 1926: 89; Wheeler, W.M. 1926: 5; Bernard, 1956b: 257; Ceballos, 1956: 297; Bernard, 1967: 115.

Junior synonym of *aloba*: Santschi, 1931b: 340; Weber, 1950b: 204; Collingwood, 1978: 67; Seifert, 1988b: 29; Bolton, 1995b: 277; Radchenko & Elmes, 2010: 84.

aldrichi Wheeler, W.M. 1914; see under **MANICA**.

algorica Lucas, 1849; see under **CREMATOGASTER**.

aloba. *Myrmica scabrinodis* var. *aloba* Forel, 1909c: 103 (w.) SPAIN.

Santschi, 1925g: 340 (q.); Finzi, 1926: 95 (m.); Tinaut & Espadaler, 1987: 61 (m.).

As unavailable (infrasubspecific) name: Emery, 1921f: 40.

Subspecies of *scabrinodis*: Santschi, 1925g: 340; Weber, 1950b: 204; Ceballos, 1956: 297.

Subspecies of *rugulosoides*: Finzi, 1926: 95.

Status as species: Santschi, 1931a: 3; Santschi, 1931b: 340; Santschi, 1932c: 69; Santschi, 1936c: 199; Santschi, 1939c: 1; Cagniant, 1968a: 142; Collingwood & Yarrow, 1969: 56; Cagniant, 1970a: 414; Collingwood, 1978: 78 (in key); Seifert, 1988b: 29 (redescription); Bolton, 1995b: 277; Espadaler, 1997b: 30; Collingwood & Prince, 1998: 12 (in key); Casevitz-Weulersse & Galkowski, 2009: 490; Radchenko & Elmes, 2010: 84; Guénard & Dunn, 2012: 46; Borowiec, L. 2014: 128; Lebas, *et al.* 2016: 320.

Senior synonym of *albuferensis*: Santschi, 1931b: 340; Weber, 1950b: 204; Collingwood, 1978: 67; Seifert, 1988b: 29; Bolton, 1995b: 277; Radchenko & Elmes, 2010: 84.

Senior synonym of *rolandi*: Santschi, 1931b: 340; Seifert, 1988b: 29; Bolton, 1995b: 277; Casevitz-Weulersse & Galkowski, 2009: 490; Radchenko & Elmes, 2010: 84.

alperti. *Myrmica alperti* Elmes & Radchenko, 2009: 117, fig. 7 (w.) NEPAL.

Status as species: Radchenko & Elmes, 2010: 86; Bharti, Sasi & Radchenko, 2016: 963.

alpestris. *Myrmica lobicornis* subsp. *alpestris* Arnol'di, 1934: 168, figs. 23-25 (w.m.) ARMENIA.

Subspecies of *lobicornis*: Weber, 1948a: 274; Arnol'di & Dlussky, 1978: 534 (in key).

Junior synonym of *lobicornis*: Seifert, 1988b: 38; Arakelian, 1994: 25; Radchenko, 1994g: 87; Bolton, 1995b: 277; Radchenko & Elmes, 2010: 186; Radchenko, 2016: 122.

alpina. *Myrmica lobicornis* subsp. *alpina* Stärcke, 1927: 80, figs. 1, 3 (w.q.) ITALY.

Subspecies of *lobicornis*: Weber, 1947: 441; Weber, 1948a: 274; Baroni Urbani, 1971c: 25; Poldi, *et al.* 1995: 2.

Junior synonym of *lobicornis*: Bernard, 1967: 122; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 277.

Junior synonym of *lobulicornis*: Seifert, 2005: 6; Radchenko & Elmes, 2010: 191.

amaurocyelia Foerster, 1850; see under **MESSOR**.

amedeussabaudiae, misspelling, see under *aimonissabaudiae*.

americana. *Myrmica sabuleti* subsp. *americana* Weber, 1939b: 144 (w.q.m.) U.S.A. (Connecticut, Massachusetts, Pennsylvania, North Dakota, Colorado, Utah), CANADA (Manitoba). (Date of publication 20.vii.1939.)

[*Myrmica sabuleti* subsp. *americana* Wing, 1939: 162. *Nomen nudum* (attributed to Weber). (Date of publication 16.vi.1939.)]

Wheeler, G.C. & Wheeler, J. 1953a: 116 (l.).

Subspecies of *sabuleti*: Wesson, L.G. & Wesson, R.G. 1940: 94; Cole, 1942: 368; Wheeler, G.C. & Wheeler, E.W. 1944: 242; Buren, 1944a: 283; Weber, 1948a: 288 (redescription); Smith, M.R. 1951a: 790; Smith, M.R. 1958c: 113; Smith, M.R. 1967: 350.

Status as species: Creighton, 1950a: 94; Carter, 1962a: 6 (in list); Hunt & Snelling, 1975: 21; Francoeur, 1977b: 206; Yensen, *et al.* 1977: 182; Wheeler, G.C. & Wheeler, J. 1978: 389; Smith, D.R. 1979: 1348; Allred, 1982: 490; Wheeler, G.C. & Wheeler, J. 1986g: 22; DuBois & LaBerge, 1988: 139; Mackay, Lowrie, *et al.* 1988: 92 (in key); Wheeler, G.C., *et al.* 1994: 303; Bolton, 1995b: 277; Mackay & Mackay, 2002: 156; Coovert, 2005: 34; MacGown & Forster, 2005: 70; Ward, 2005: 66; Ellison, *et al.* 2012: 281.

anatolica. *Myrmica anatolica* Elmes, Radchenko & Aktaş, 2002: 167, figs. 44-60 (w.q.m.) TURKEY.

Status as species: Radchenko & Elmes, 2010: 87; Kiran & Karaman, 2012: 22; Borowiec, L. 2014: 128.

- angulata.** *Myrmica angulata* Radchenko, Zhou & Elmes, 2001: 213, figs. 6-10 (w.) CHINA (Guangxi).
Radchenko, Elmes & Bui, 2006: 43 (q.).
Status as species: Radchenko, Elmes & Bui, 2006: 42; Radchenko & Elmes, 2010: 88; Guénard & Dunn, 2012: 46; Chen, Zhou & Huang, 2016: 119 (in key).
- angulinodis.** *Myrmica scabrinodis* subsp. *angulinodis* Ruzsky, 1905b: 689 (w.q.) RUSSIA (Irkutsk Prov.).
Radchenko, 1994g: 84 (m.).
Subspecies of scabrinodis: Emery, 1908a: 180; Emery, 1921f: 41; Vashkevich, 1924b: 149; Ruzsky, 1925a: 288; Kuznetsov-Ugamsky, 1927e: 196; Ruzsky, 1936: 94; Weber, 1950b: 204.
Status as species: Ruzsky, 1946: 70; Collingwood, 1962: 217; Pisarski, 1969a: 227; Pisarski, 1969b: 296; Dlussky & Pisarski, 1970: 86; Collingwood, 1976: 302; Pisarski & Krzysztofiak, 1981: 155; Radchenko, 1994b: 109 (in key); Radchenko, 1994c: 139 (in key); Radchenko, 1994g: 84; Bolton, 1995b: 277; Wu, J. & Wang, 1995: 94; Collingwood & Heatwole, 2000: 6; Wei, Zhou, *et al.* 2001: 562 (in key); Radchenko, 2005b: 138; Radchenko & Elmes, 2010: 89; Guénard & Dunn, 2012: 46; Yamane & Aibek, 2012: 172; Chen, Zhou & Huang, 2016: 119 (in key).
Senior synonym of baikalensis: Radchenko, 1994g: 84; Radchenko & Elmes, 2010: 90.
Senior synonym of incurvata: Radchenko, 2005b: 138; Radchenko & Elmes, 2010: 90.
- *angusticollis.** *Myrmica angusticollis* Heer, 1849: 162, pl. 13, fig. 7 (q.) GERMANY (Miocene).
[Also described as new by Heer, 1850: 162.]
Status as species: Giebel, 1856: 180; Scudder, 1891: 718; Dalla Torre, 1893: 108; Bolton, 1995b: 277.
Unidentifiable taxon, *incertae sedis* in *Myrmica*: Handlirsch, 1907: 875; Radchenko, Dlussky & Elmes, 2007: 1494.
- angustifrons.** *Myrmica lobicornis* subsp. *angustifrons* Stårcke, 1927: 81, figs. 1, 3 (w.q.) GREAT BRITAIN.
Subspecies of lobicornis: Weber, 1947: 441; Weber, 1948a: 274.
Junior synonym of lobicornis: Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 277; Radchenko & Elmes, 2010: 185; Radchenko, 2016: 121.
- angustula** Nylander, 1856; see under **TEMNOTHORAX**.
- apennina.** *Myrmica lobicornis* subsp. *apennina* Stårcke, 1927: 82, fig. 1 (w.) ITALY.
Subspecies of lobicornis: Weber, 1948a: 274; Baroni Urbani, 1971c: 26; Poldi, *et al.* 1995: 2.
Junior synonym of lobicornis: Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 277.
Junior synonym of lobulicornis: Seifert, 2005: 6; Radchenko & Elmes, 2010: 192.
- aquia** Buckley, 1867; see under **APHAENOGASTER**.
- *archaica** Meunier, 1915; see under **APHAENOGASTER**.
- arduennae.** *Myrmica lobicornis* var. *arduennae* Bondroit, 1911: 12 (w.q.m.) BELGIUM.
Status as species: Bondroit, 1918: 105; Bondroit, 1920a: 151.
Subspecies of lobicornis: Emery, 1921f: 38; Menozzi, 1925d: 24; Finzi, 1926: 108; Stårcke, 1926: 93 (in key); Santschi, 1931b: 349; van Boven, 1947: 180; Weber, 1948a: 274; Sadil, 1952: 263.
Junior synonym of lobicornis: Donisthorpe, 1915d: 134; Bernard, 1967: 122; van Boven, 1977: 119; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 277; Radchenko & Elmes, 2010: 185; Radchenko, 2016: 121.
- arisana.** *Myrmica rugosa* var. *arisana* Wheeler, W.M. 1930a: 95 (w.) TAIWAN.
[Misspelled as *arissana* by Chapman & Capco, 1951: 129.]

Radchenko & Elmes, 2010: 93 (q.m.).

Subspecies of *rugosa*: Weber, 1947: 462 (redescription); Chapman & Capco, 1951: 129; Bolton, 1995b: 277.

Status as species: Elmes & Radchenko, 1998: 221; Lin & Wu, 2003: 64; Terayama, 2009: 160; Radchenko & Elmes, 2010: 92; Chen, Zhou & Huang, 2016: 114 (in key).

Senior synonym of *tipuna*: Elmes & Radchenko, 1998: 221; Terayama, 2009: 160; Radchenko & Elmes, 2010: 92.

***arnoldii*.** *Myrmica arnoldii* Dlussky, 1963: 191, figs. 1, 4, 5 (w.) RUSSIA (Chitinskaya Prov.). Arnol'di, 1968: 1803 (q.m.).

Combination in *M. (Dodecamyrmica)*: Arnol'di, 1968: 1803.

Status as species: Arnol'di, 1968: 1803; Pisarski, 1969a: 227; Dlussky & Pisarski, 1970: 85; Pisarski & Krzysztofiak, 1981: 155; Francoeur, 1981: 759; Radchenko, 1994b: 105 (in key); Radchenko, 1994c: 134 (in key); Radchenko, 1994f: 76; Bolton, 1995b: 277; Radchenko & Elmes, 2003a: 222; Radchenko & Elmes, 2010: 94; Yamane & Aibek, 2012: 172.

aspersa Smith, F. 1865; see under **TETRAMORIUM**.

aspersa. *Myrmica aspersa* Kupyanskaya, 1990: 105, figs. 16, 17, 18 (w.q.m.) RUSSIA (Primorsky Krai).

[**Junior primary homonym** of *Myrmica aspersa* Smith, F. 1865: 72.]

Status as species: Radchenko, 1994c: 139 (in key); Radchenko, 1994g: 89.

Replacement name: *Myrmica ademonia* Bolton, 1995b: 277.

***assimilis*.** *Myrmica assimilis* Spinola, 1851b: 50 (w.) BRAZIL (Pará).

[Also described as new by Spinola, 1853: 66.]

Status as species: Mayr, 1863: 431; Dalla Torre, 1893: 108; Forel, 1895b: 125.

Incertae sedis in Myrmicinae: Kempf, 1972a: 260.

Unidentifiable to genus; *incertae sedis* in *Myrmica*: Bolton, 1995b: 277.

***atlantica*.** *Myrmica scabrinodis* var. *atlantica* Stârcke, 1942c: xxvii (footnote). *Nomen nudum*.

Material referred to *puerilis* by Stârcke, 1942c: xxvii; Weber, 1948a: 287; Bolton, 1995b: 282.

Material referred to *specioides* by Güsten, *et al.* 2006: 29.

atomaria Gerstäcker, 1859; see under **TRICHOMYRMEX**.

atra Buckley, 1867; see under **MONOMORIUM**.

atratura Schenck, 1852; see under **TETRAMORIUM**.

***bactriana*.** *Myrmica smythiesi* var. *bactriana* Ruzsky, 1915a: 438, figs. 16-18 (w.m.) CHINA (Tibet).

Subspecies of *smythiesii*: Emery, 1921f: 41; Menozzi, 1939a: 296 (in key); Weber, 1947: 457; Chapman & Capco, 1951: 129; Bolton, 1995b: 277.

Status as species: Collingwood, 1970: 373; Radchenko & Elmes, 2010: 96; Guénard & Dunn, 2012: 46; Chen, Zhou & Huang, 2016: 114 (in key); Seifert, Schultz, *et al.* 2018: 94.

Senior synonym of *furva*: Radchenko & Elmes, 2010: 96.

baikalensis. *Myrmica saposhnikovii* subsp. *baikalensis* Pisarski, 1969a: 228.

[First available use of *Myrmica scabrinodis* subsp. *saposhnikovii* var. *baikalensis* Karavaiev, 1931b: 28 (w.q.) RUSSIA (Siberia: Lake Baikal); unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Weber, 1947: 442; Weber, 1950b: 209.

Subspecies of *saposhnikovii*: Bolton, 1995b: 277 (error).

Junior synonym of *angulinodis*: Radchenko, 1994g: 84; Radchenko & Elmes, 2010: 90.

***bakurianica*.** *Myrmica pilosiscapus* subsp. *bakurianica* Arnol'di, 1970b: 1842 (w.q.m.) GEORGIA.

Junior synonym of *bessarabicus*: Radchenko, 1994e: 77.

Junior synonym of *specioides*: Seifert, 2002a: 95 (by implication); Radchenko & Elmes, 2004: 229 (by implication).

Status as species: Seifert, 1988b: 22 (redescription); Bolton, 1995b: 277; Radchenko & Elmes, 2010: 98 (redescription); Borowiec, L. 2014: 129.

balcanica. *Myrmica* (*Myrmica*) *balcanica* Sadil, 1952: 253, figs. V, 1-18; VIII, 24; IX, 21; X, 8 (w.q.m.) CZECH REPUBLIC, CROATIA, SERBIA, BULGARIA.

[Misspelled as *balcanina* by Collingwood, 1971: 157.]

Junior synonym of *sancta*: Arnol'di, 1970b: 1840.

Junior synonym of *bessarabicus*: Dlussky, Soyunov & Zabelin, 1990: 182; Atanassov & Dlussky, 1992: 93; Radchenko, 1994e: 77; Bolton, 1995b: 277.

Junior synonym of *specioides*: Collingwood, 1971: 157; Pisarski, 1975: 12; Kutter, 1977c: 70; Collingwood, 1979: 56; Seifert, 1988b: 16; Seifert, 2002a: 95 (by implication); Radchenko & Elmes, 2004: 229 (by implication); Güsten, *et al.* 2006: 29; Werner & Wiezik, 2007: 140; Radchenko & Elmes, 2010: 284; Seifert, 2011: 183; Radchenko, 2016: 136.

barbata Smith, F. 1858; see under **POGONOMYRMEX**.

barchanica. *Myrmica bergi* var. *barchanica* Ruzsky, 1905b: 678 (w.) RUSSIA (Astrakhan Prov.).

Subspecies of *bergi*: Emery, 1908a: 173; Emery, 1921f: 37; Soudek, 1923: 117; Karavaiev, 1935b: 107; Weber, 1947: 473.

Junior synonym of *bergi*: Arnol'di, 1970b: 1839; Seifert, 1988b: 11; Radchenko, 1994e: 76; Bolton, 1995b: 277; Radchenko, Elmes & Woyciechowski, 2002: 413; Radchenko & Elmes, 2010: 101; Radchenko, 2016: 157.

basalis Smith, F. 1858; see under **TRICHOMYRMEX**.

beesoni Mukerjee, 1934; see under **TETRAMORIUM**.

bergi. *Myrmica bergi* Ruzsky, 1902b: 473 (w.) KAZAKHSTAN.

[Also described as new by Ruzsky, 1902c: 12.]

Ruzsky, 1905b: 676 (q.m.).

Subspecies of rubra: Forel, 1904b: 374.

Status as species: Ruzsky, 1903b: 314; Ruzsky, 1905b: 675; Emery, 1908a: 172; Emery, 1921f: 37; Kuznetsov-Ugamsky, 1923: 255; Soudek, 1923: 116; Kuznetsov-Ugamsky, 1927e: 191; Kuznetsov-Ugamsky, 1929b: 44; Karavaiev, 1931c: 105; Arnol'di, 1934: 160 (redescription); Karavaiev, 1935b: 107; Weber, 1947: 472 (redescription); Sadil, 1952: 244; Collingwood, 1962: 217; Kutter, 1963: 137 (in key); Arnol'di, 1970b: 1834 (in key); Dlussky & Pisarski, 1970: 85; Arnol'di, 1976a: 556 (in key); Tarbinsky, 1976: 45 (redescription); Aktaç, 1977: 119; Arnol'di & Dlussky, 1978: 532 (in key); Dlussky, 1981a: 17; Seifert, 1988b: 11 (redescription); Radchenko, 1994b: 109 (in key); Radchenko, 1994c: 143 (in key); Radchenko, 1994e: 76; Bolton, 1995b: 277; Radchenko, Elmes & Woyciechowski, 2002: 413; Schultz, R. *et al.* 2006: 206; Werner & Wiezik, 2007: 145; Paknia, *et al.* 2008: 155; Radchenko & Elmes, 2009c: 522; Radchenko & Elmes, 2010: 101; Czekeš, *et al.* 2012: 43 (in key); Kiran & Karaman, 2012: 22; Borowiec, L. 2014: 129; Lebas, *et al.* 2016: 308; Radchenko, 2016: 157.

Senior synonym of barchanica: Arnol'di, 1970b: 1839; Seifert, 1988b: 11; Radchenko, 1994e: 76; Bolton, 1995b: 277; Radchenko, Elmes & Woyciechowski, 2002: 413; Radchenko & Elmes, 2010: 101; Radchenko, 2016: 157.

Senior synonym of kamyschiensis: Seifert, 1988b: 11; Radchenko, 1994e: 76; Bolton, 1995b: 277; Radchenko, Elmes & Woyciechowski, 2002: 413; Radchenko & Elmes, 2010: 101; Radchenko, 2016: 158.

Senior synonym of kirgisica: Seifert, 1988b: 11; Radchenko, 1994e: 76; Bolton, 1995b: 277; Radchenko, Elmes & Woyciechowski, 2002: 413; Radchenko & Elmes, 2010: 101; Radchenko, 2016: 158.

Senior synonym of persiana: Radchenko, 1994e: 76; Radchenko, Elmes & Woyciechowski, 2002: 413; Radchenko & Elmes, 2010: 101; Radchenko, 2016: 157.

- bergiana*. *Myrmica saposchnikovi* subsp. *bergiana* Tarbinsky, 1976: 38, figs. 37-39 (w.q.) KYRGYZSTAN.
Subspecies of *saposchnikovi*: Bolton, 1995b: 277 (error).
Junior synonym of *saposchnikovi*: Radchenko, 1994g: 85; Radchenko & Elmes, 2010: 257.
- bessarabicus**. *Myrmica scabrinodis* var. *bessarabicus* Nasonov, 1889: 36 (w.) MOLDOVA.
As unavailable (infrasubspecific) name: Emery, 1908a: 177 (footnote); Emery, 1921f: 40.
Subspecies of *scabrinodis*: Ruzsky, 1905b: 688.
Junior synonym of *sabuleti*: Weber, 1948a: 288; Sadil, 1952: 246.
Status as species: Dlussky, Soyunov & Zabelin, 1990: 182; Arakelian, 1994: 22; Radchenko, 1994c: 144 (in key); Radchenko, 1994e: 77; Bolton, 1995b: 277.
Unidentifiable taxon, *incertae sedis* in *Myrmica*: Seifert, 2002a: 95; Radchenko & Elmes, 2004: 229; Radchenko & Elmes, 2010: 657; Legakis, 2011: 4.
- betuliana*. *Myrmica betuliana* Ruzsky, 1946: 70, figs. a, b (w.) RUSSIA.
Junior synonym of *schlenki*: Radchenko, 1994f: 77; Radchenko, Elmes & Alicata, 2006: 513; Radchenko & Elmes, 2010: 266; Radchenko, 2016: 127.
- bibikoffi**. *Myrmica bibikoffi* Kutter, 1963: 130, figs. 1-11 (w.q.m.) SWITZERLAND.
Status as species: Kutter, 1968a: 59; Kutter, 1973c: 255; Kutter, 1977c: 65; Mei, 1987: 466 (in table); Bolton, 1988a: 4 (in table); Seifert, 1988b: 41 (redescription); Bolton, 1995b: 277; Radchenko & Elmes, 2003a: 227; Seifert, 2007: 200; Casevitz-Weulersse & Galkowski, 2009: 490; Boer, 2010: 59; Radchenko & Elmes, 2010: 104; Borowiec, L. 2014: 129; Lebas, *et al.* 2016: 318; Seifert, 2018: 161.
- bicarinata* Nylander, 1846; see under **TETRAMORIUM**.
- *bicolor* Heer, 1867; see under ***PARAPHAENOGASTER**.
- bicolor*. *Myrmica bicolor* Kupyanskaya, 1986b: 94, figs. 1-5 (w.q.m.) RUSSIA (Kamchatka, Magadan Prov.).
[**Junior primary homonym** of **Myrmica bicolor* Heer, 1867: 31.]
Status as species: Kupyanskaya, 1990: 106; Radchenko, 1994c: 140 (in key); Radchenko, 1994g: 86.
Replacement name: *Myrmica displicentia* Bolton, 1995b: 278.
- bidens* Foerster, 1850; see under **MYRMECINA**.
- bidentata* Smith, F. 1858; see under **MONOMORIUM**.
- birulensis*. *Myrmica scabrinodis* var. *birulensis* Ruzsky, 1915b: 10 (in text). *Nomen nudum*.
- blanda* Smith, F. 1858; see under **ROGERIA**.
- boltoni**. *Myrmica boltoni* Radchenko & Elmes, 1998: 18, fig. 4 (11-17) (w.) NEPAL.
Status as species: Radchenko & Elmes, 2001a: 242; Radchenko & Elmes, 2010: 104; Bharti, Sasi & Radchenko, 2016: 963.
- bradleyi* Wheeler, W.M. 1909; see under **MANICA**.
- brancuccii**. *Myrmica brancuccii* Radchenko, Elmes & Collingwood, in Radchenko & Elmes, 1999a: 30, fig. 1 (1-5) (w.) NEPAL, PAKISTAN.
Status as species: Radchenko & Elmes, 2001a: 260; Radchenko & Elmes, 2010: 106; Bharti, Sasi & Radchenko, 2016: 964.
- *bremii* Heer, 1849; see under **GESOMYRMEX**.
- breviceps**. *Myrmica breviceps* Smith, F. 1878b: 12 (q.) (no state data, "No locality or date").
Status as species: Dalla Torre, 1893: 109; Chapman & Capco, 1951: 125; Bolton, 1995b: 277.
Unidentifiable taxon: Forel, 1903a: 698;
unidentifiable taxon, *incertae sedis* in *Myrmica*: Radchenko & Elmes, 2001a: 238; Radchenko & Elmes, 2010: 658.
- brevinodis*. *Myrmica rubra* subsp. *brevinodis* Emery, 1895c: 312 (w.m.) U.S.A. (Utah).
Wheeler, W.M. 1907b: 74 (q.); Wheeler, G.C. & Wheeler, J. 1953a: 116 (l.).

Subspecies of *rubra*: Forel, 1904a: 154; Wheeler, W.M. 1904e: 303; Wheeler, W.M. 1905f: 384; Wheeler, W.M. 1906b: 6; Wheeler, W.M. 1907b: 73 (redescription); Wheeler, W.M. 1908f: 621; Wheeler, W.M. 1910g: 566; Santschi, 1911d: 5; Dennis, 1938: 288.

Status as species: Wheeler, W.M. 1901a: 433; Wheeler, W.M. 1914b: 53 (in text); Wheeler, W.M. 1916m: 587; Wheeler, W.M. 1917a: 502; Wheeler, W.M. 1917e: 16; Emery, 1921f: 37; Essig, 1926: 862; Cole, 1936a: 36; Weber, 1939b: 150; Wing, 1939: 162; Cole, 1942: 368; Wheeler, G.C. & Wheeler, E.W. 1944: 240; Weber, 1950b: 189 (redescription); Creighton, 1950a: 95; Smith, M.R. 1951a: 789; Cole, 1953e: 243; Smith, M.R. 1958c: 113; Smith, M.R. 1967: 349; Wheeler, G.C. & Wheeler, J. 1978: 389.

Junior synonym of *incompleta*: Francoeur & Béique, 1966: 141; Smith, D.R. 1979: 1349; Bolton, 1995b: 278; Coovert, 2005: 36.

brevipennis Smith, F. 1858; see under **POGONOMYRMEX**.

brevispina. *Myrmica rugosa* subsp. *dshungarica* var. *brevispina* Kuznetsov-Ugamsky, 1927e: 193 (w.) KYRGYZSTAN; unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 278.

Material referred to *dshungarica* by Tarbinsky, 1976: 29; Radchenko, 1994f: 73; Radchenko & Elmes, 2010: 663.

brevispinosa. *Myrmica brevinodis* var. *brevispinosa* Wheeler, W.M. 1917a: 502.

[First available use of *Myrmica rubra* subsp. *brevinodis* var. *brevispinosa* Wheeler, W.M. 1907b: 74 (w.q.m.) U.S.A. (Colorado, New Mexico); unavailable (infrasubspecific) name.]

[Note: type-locality designated as Colorado by Creighton, 1950a: 97.]

Wheeler, G.C. & Wheeler, J. 1953a: 117 (l.).

As unavailable (infrasubspecific) name: Wheeler, W.M. 1910g: 566.

Subspecies of *brevinodis*: Emery, 1921f: 37; Wheeler, G.C. & Wheeler, E.W. 1944: 241; Weber, 1950b: 198 (redescription); Smith, M.R. 1951a: 789; Smith, M.R. 1958c: 113; Smith, M.R. 1967: 349.

Status as species: Creighton, 1950a: 97; Gregg, R.E. 1961: 211; Francoeur, 1977b: 206; Yensen, *et al.* 1977: 182; Smith, D.R. 1979: 1348; Allred, 1982: 490; Wheeler, G.C. & Wheeler, J. 1986g: 23; Mackay, Lowrie, *et al.* 1988: 93; Wheeler, G.C., *et al.* 1994: 303; Bolton, 1995b: 278; Mackay & Mackay, 2002: 157; Ellison, *et al.* 2012: 282.

Senior synonym of *decedens*: Weber, 1950b: 198; Creighton, 1950a: 97; Smith, M.R. 1951a: 789; Smith, D.R. 1979: 1348; Bolton, 1995b: 278.

bruesi. *Myrmica laevinodis* var. *bruesi* Weber, 1947: 453.

[First available use of *Myrmica rubra* subsp. *laevinodis* var. *bruesi* Wheeler, W.M. 1906a: 38 (w.q.m.) U.S.A. (Massachusetts); unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Wheeler, W.M. 1906b: 7; Wheeler, W.M. 1910g: 566.

Junior synonym of *laevinodis*: Creighton, 1950a: 104; Smith, M.R. 1951a: 789.

Junior synonym of *rubra*: Yarrow, 1955b: 114; Smith, D.R. 1979: 1350; Bolton, 1995b: 282; Imai, *et al.* 2003: 182; Radchenko & Elmes, 2010: 228; Radchenko, 2016: 117.

brunescens. *Myrmica (Myrmica) schencki* var. *brunescens* Karavaiev, 1929b: 208 (w.) RUSSIA (North Caucasus).

Subspecies of *lobicornis*: Santschi, 1931b: 350; Arnol'di, 1934: 167 (redescription); Arnol'di & Dlussky, 1978: 534 (in key); Bolton, 1995b: 278.

Subspecies of *schencki*: Weber, 1948a: 297.

Junior synonym of *lobicornis*: Radchenko, 1994g: 87; Radchenko & Elmes, 2010: 186; Radchenko, 2016: 122.

burtshakabramovitshi. *Myrmica (Myrmica) schencki* var. *burtshakabramovitshi* Karavaiev, 1929b: 209, fig. 4 (w.) UKRAINE.

[Misspelled as *burtshakabramovitschi* by Arnol'di, 1934: 167.]

Subspecies of *lobicornis*: Santschi, 1931b: 351; Arnol'di, 1934: 167 (redescription); Karavaiev, 1934: 92 (redescription).

Subspecies of *schencki*: Weber, 1948a: 297.

Junior synonym of *lobicornis*: Arnol'di, 1970b: 1842; Radchenko, 1994g: 87; Bolton, 1995b: 278; Radchenko & Elmes, 2010: 185; Radchenko, 2016: 122.

busoni. *Myrmica busoni* Chapman & Capco, 1951: 125. *Nomen nudum* (attributed to Ruzsky).

cabylica, misspelling, see under *kabylica*.

cachmiriensis. *Myrmica smythiesii* r. *cachmiriensis* Forel, 1904c: 23 (w.) INDIA (Jammu & Kashmir).

[Misspelled as *kashmiriensis* by Menozzi, 1939a: 295 (in key); misspelled as *cashmiriensis* by Chapman & Capco, 1951: 130.]

Menozzi, 1939a: 292 (m.).

Subspecies of *smythiesii*: Forel, 1906b: 87; Emery, 1921f: 41; Eidmann, 1941: 15; Menozzi, 1939a: 292; Weber, 1947: 457; Chapman & Capco, 1951: 130; Bolton, 1995b: 278.

Status as species: Radchenko & Elmes, 2001a: 251; Radchenko & Elmes, 2010: 107; Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 964.

Senior synonym of *lutescens*: Radchenko & Elmes, 2001a: 251; Radchenko & Elmes, 2010: 107; Bharti, Sasi & Radchenko, 2016: 964.

cadusa. *Myrmica cadusa* Kim, Park & Kim, 1997: 425, fig. 1 (w.) SOUTH KOREA.

Junior synonym of *excelsa*: Radchenko, 2005b: 140; Radchenko & Elmes, 2010: 131.

caeca. *Myrmica caeca* Jerdon, 1851: 116 (w.) INDIA (Kerala).

[Duplicated in Jerdon, 1854a: 56.]

Status as species: Dalla Torre, 1893: 109; Chapman & Capco, 1951: 125; Tiwari, 1999: 41.

Unidentifiable taxon: Forel, 1903a: 698;

unidentifiable to genus; *incertae sedis* in *Myrmica*: Bolton, 1995b: 278;

unidentifiable taxon; *incertae sedis* in Myrmicinae: Radchenko & Elmes, 2010: 664.

[Note: Radchenko & Elmes, 2010: 665, say it is “impossible to place *M. caeca* to any known Myrmicinae genus”.]

caeca Smith, F. 1860; see under **LIOMYRMEX**.

cagnianti. *Myrmica cagnianti* Espadaler, 1996: 68, figs. 1-12 (w.q.m.) MOROCCO.

Status as species: Cagniant, 2006a: 196; Radchenko & Elmes, 2010: 108; Borowiec, L. 2014: 129.

californica Buckley, 1867; see under **POGONOMYRMEX**.

canadensis. *Myrmica brevinodis* var. *canadensis* Wheeler, W.M. 1916m: 587.

[First available use of *Myrmica rubra* subsp. *brevinodis* var. *canadensis* Wheeler, W.M. 1907b: 76 (w.q.m.) U.S.A. (Connecticut, Massachusetts, Maine, Pennsylvania, Michigan, Wisconsin), CANADA (Nova Scotia, British Columbia); unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Wheeler, W.M. 1908f: 621; Wheeler, W.M. 1910g: 566.

Subspecies of *brevinodis*: Emery, 1921f: 37; Menozzi, 1932b: 310.

Junior synonym of *brevinodis*: Weber, 1950b: 189; Creighton, 1950a: 96; Smith, M.R. 1951a: 789.

Junior synonym of *incompleta*: Francoeur & Béique, 1966: 141 (by implication); Smith, D.R. 1979: 1349; Bolton, 1995b: 279.

carbonaria Smith, F. 1858; see under **MONOMORIUM**.

carbonaria. *Myrmica smythiesii* subsp. *carbonaria* Forel, 1902c: 227 (w.) INDIA (Madhya Pradesh).

[**Junior primary homonym** of *Myrmica carbonaria* Smith, F. 1858b: 127.]

Subspecies of *smythiesii*: Forel, 1903a: 698; Bingham, 1903: 269; Emery, 1921f: 41; Weber, 1947: 458; Chapman & Capco, 1951: 130; Bolton, 1995b: 278.

Replacement name: *Myrmica foreliana* Radchenko & Elmes, 2001a: 247.

carinata Smith, F. 1859; see under **TETRAMORIUM**.

carinata. *Myrmica carinata* Kupyanskaya, 1990: 114, figs. 16, 19, 20 (w.q.m.) RUSSIA (South Siberia, Far East).

[**Junior primary homonym** of *Myrmica carinata* Smith, F. 1859a: 148.]

Status as species: Radchenko, 1994c: 144 (in key); Radchenko, 1994g: 90.

Replacement name: *Myrmica taediosa* Bolton, 1995b: 284.

cariniceps Guérin-Méneville, 1852; see under **TETRAMORIUM**.

castanea Smith, F. 1858; see under **PHEIDOLE**.

caucasica. *Myrmica rugulosa* subsp. *caucasica* Arnol'di, 1934: 165, figs. 17-20 (w.m.) ARMENIA, AZERBAIJAN.

[Unnecessary replacement name for *rugulosocabrinodis* Karavaiev.]

Seifert, 1988b: 19 (q.).

Subspecies of *rugulosa*: Arnol'di, 1948: 211 (in list); Weber, 1948a: 306.

Subspecies of *sancta*: Arnol'di, 1970b: 1841; Arnol'di & Dlussky, 1978: 532 (in key).

Status as species: Seifert, 1988b: 19 (redescription); Gratiashvili & Barjadze, 2008: 140.

Junior synonym of *bessarabicus*: Dlussky, Soyunov & Zabelin, 1990: 182; Atanassov & Dlussky, 1992: 93; Arakelian, 1994: 22; Radchenko, 1994e: 77; Bolton, 1995b: 278.

Junior synonym of *rugulosocabrinodis*: Radchenko & Elmes, 2004: 231.

Junior synonym of *hellenica*: Seifert, *et al.* 2009: 68; Radchenko & Elmes, 2010: 138; Kiran & Karaman, 2012: 22; Radchenko, 2016: 146.

causicola. *Myrmica schencki* nat. *causicola* Arnol'di, 1934: 172, fig. 38-40 (w.m.) ARMENIA, AZERBAIJAN.

Radchenko, Elmes & Alicata, 2006: 519 (q.).

Subspecies of *schencki*: Arnol'di, 1948: 211 (in list); Weber, 1948a: 298; Arnol'di & Dlussky, 1978: 535 (in key).

Status as species: Arakelian, 1994: 24; Radchenko, 1994a: 44; Radchenko, 1994c: 140 (in key); Radchenko, 1994f: 79; Bolton, 1995b: 278; Seifert, 2003b: 147 (redescription); Radchenko, Elmes & Alicata, 2006: 519; Gratiashvili & Barjadze, 2008: 140; Radchenko & Elmes, 2010: 109; Borowiec, L. 2014: 129.

cerasi Fitch, 1854; see under **CREMATOGASTER**.

champlaini. *Myrmica rubra* r. *champlaini* Forel, 1901h: 80 (w.) CANADA (Québec).

As unavailable (infrasubspecific) name: Emery, 1921f: 39.

Subspecies of *laevinodis*: Weber, 1947: 454.

Subspecies of *rubra*: Wheeler, W.M. 1910g: 566; Forel, 1911h: 457; Creighton, 1950a: 103.

Junior synonym of *laevinodis*: Smith, M.R. 1951a: 789.

Junior synonym of *rubra*: Yarrow, 1955b: 114; Smith, D.R. 1979: 1350; Bolton, 1995b: 282; Imai, *et al.* 2003: 182; Radchenko, 2016: 117.

chersonensis. *Myrmica rugulosa* subsp. *limanica* var. *chersonensis* Karavaiev, 1934: 76 (w.m.) UKRAINE (attributed to Arnol'di); unavailable (infrasubspecific) name.

As unavailable (infrasubspecific) name: Weber, 1948a: 307.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 278.

[Also described as new, as *Myrmica rugulosa* subsp. *limanica* nat. *chersonensis* Arnol'di, 1934: 164; unavailable (infrasubspecific) name.]

Material referred to *limanica* by Arnol'di, 1970b: 1840.

Material referred to *gallienii* by Radchenko, 1994e: 76; Radchenko, 2016: 156.

chinensis. *Myrmica chinensis* Viehmeyer, 1922: 204 (q.m.) CHINA (Sichuan).

Subspecies of *tibetana*: Weber, 1947: 466.

Status as species: Wheeler, W.M. 1930h: 62; Chapman & Capco, 1951: 125; Radchenko, 1994a: 41; Bolton, 1995b: 278.

Junior synonym of *kurokii*: Radchenko & Elmes, 2010: 179; Chen, Zhou & Huang, 2016: 90.

cingulata Schenck, 1852; see under **TEMNOTHORAX**.

clandestina. *Myrmica clandestina* Foerster, 1850a: 63 (w.) GERMANY.

Schenck, 1852: 85 (q.m.).

Status as species: Schenck, 1852: 84.

Junior synonym of *rugulosa*: Mayr, 1855: 405; Nylander, 1856b: 80; Smith, F. 1858b: 115; Mayr, 1863: 435; Roger, 1863b: 29; Dours, 1873: 168; André, 1874: 203 (in list); Forel, 1874: 101 (in list); Emery & Forel, 1879: 460; Dalla Torre, 1893: 116; Ruzsky, 1905b: 690; Emery, 1921f: 41; Karavaiev, 1934: 71; Pisarski, 1975: 10; Radchenko, 1994e: 75; Bolton, 1995b: 278; Radchenko, *et al.* 1997: 486; Czechowski, *et al.* 2002: 23; Radchenko & Elmes, 2010: 244; Czechowski, *et al.* 2012: 100; Radchenko, 2016: 153.

clypeata Mayr, 1853; see under **TEMNOTHORAX**.

coeca Buckley, 1867; see under **NEIVAMYRMEX**.

colax. *Paramyrmica colax* Cole, 1957a: 37, fig. 1 (w.q.) U.S.A. (Texas).

Wheeler, G.C. & Wheeler, J. 1959: 219 (l.).

Combination in *Myrmica*: Bolton, 1988a: 4.

Status as species: Kutter, 1968b: 202; Smith, M.R. 1967: 350; Smith, D.R. 1979: 1351; Bolton, 1988a: 4 (in table); Bolton, 1995b: 278; Mackay & Mackay, 2002: 158.

collingwoodi. *Myrmica collingwoodi* Radchenko & Elmes, 1998: 23, fig. 6 (w.q.) BHUTAN.

Status as species: Radchenko & Elmes, 2001a: 243; Radchenko & Elmes, 2010: 111; Bharti, Sasi & Radchenko, 2016: 964.

columbiana Buckley, 1867; see under **CREMATOGASTER**.

commarginata. *Myrmica commarginata* Ruzsky, 1905b: 708 (w.) RUSSIA (Transbaikal Prov.).

Status as species: Emery, 1908a: 182; Emery, 1921f: 37; Ruzsky, 1925b: 46; Ruzsky, 1936: 94; Weber, 1947: 466; Radchenko, 1994b: 105 (in key); Radchenko, 1994c: 138 (in key); Radchenko, 1994g: 82; Bolton, 1995b: 278; Radchenko & Elmes, 2010: 112.

concinna* Heer, 1867; see under *PARAPHAENOGASTER**.

consternens Walker, 1859; see under **CREMATOGASTER**.

constricta. *Myrmica rugulosa* var. *constricta* Karavaiev, 1934: 74.

Replacement name for *Myrmica rugulosa* var. *minuta* Karavaiev, 1929b: 204. [Junior primary homonym of *Myrmica minuta* Say, 1836: 294.]

Subspecies of *rugulosa*: Weber, 1948a: 306.

Junior synonym of *rugulosa*: Arnol'di, 1970: 1840; Radchenko, 1994e: 75.

Junior synonym of *hellenica*: Radchenko, 2009: 70.

Status as species: Seifert, *et al.* 2009: 72; Lapeva-Gjonova, *et al.* 2010: 7; Radchenko & Elmes, 2010: 113; Csösz, *et al.* 2011: 56; Borowiec, L. & Salata, 2012: 520; Czechowski, *et al.* 2012: 102; Czokes, *et al.* 2012: 43 (in key); Borowiec, L. 2014: 129; Lebas, *et al.* 2016: 316; Radchenko, 2016: 154; Salata & Borowiec, 2018c: 47; Seifert, 2018: 155.

Synonym of *slobodensis*: Karavaiev, 1936: 274; Bolton, 1995b: 278.

[Note: Karavaiev, and Bolton, give *slobodensis* as senior synonym, but *constricta* has priority.]

Senior synonym of *slobodensis*: Seifert, *et al.* 2009: 72; Radchenko & Elmes, 2010: 113; Czechowski, *et al.* 2012: 102; Radchenko, 2016: 154.

contigua Smith, F. 1858; see under **MONOMORIUM**.

corrugata. *Myrmica corrugata* Say, 1836: 291 (q.m.) U.S.A. (Indiana).

Status as species: Smith, F. 1858b: 129; Mayr, 1863: 432; Cresson, 1887: 260; Dalla Torre, 1893: 109; Bolton, 1995b: 278.

- Unidentifiable taxon; *incertae sedis* in Myrmicinae: Smith, M.R. 1951a: 833; Smith, D.R. 1979: 1414;
 unidentifiable to genus; *incertae sedis* in *Myrmica*: Bolton, 1995b: 278.
- corticalis* Schenck, 1852; see under **TEMNOTHORAX**.
- crassirugis**. *Myrmica crassirugis* Francoeur, 2007: 164, figs. 28 – 31 (w.q.m.) U.S.A. (Idaho, Montana, Nevada, Oregon, Utah, Washington), CANADA (British Columbia).
- curiosa**. *Myrmica curiosa* Radchenko, Zhou & Elmes, in Radchenko, Zhou, *et al.* 2008: 769, figs. 1-10 (w.q.) CHINA (Sichuan, Hunan, Yunnan).
Status as species: Radchenko & Elmes, 2010: 115; Guénard & Dunn, 2012: 47; Chen, Zhou & Huang, 2016: 114 (in key).
- cursor**. *Myrmica cursor* Smith, F. 1878b: 11 (q.) (no state data, “No precise locality indicated”).
 Status as species: Dalla Torre, 1893: 109; Chapman & Capco, 1951: 125; Bolton, 1995b: 278.
 Unidentifiable taxon: Forel, 1903a: 698;
 unidentifiable taxon, *incertae sedis* in *Myrmica*: Radchenko & Elmes, 2001a: 238; Radchenko & Elmes, 2010: 659.
- curvispinosa**. *Myrmica curvispinosa* Bharti & Sharma, 2013: 124, figs. 1-9 (w.q. ergatoid q.) INDIA (Himachal Pradesh).
Status as species: Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 964.
- curvithorax**. *Myrmica curvithorax* Bondroit, 1920a: 148, fig. 1 (w.) SPAIN.
Status as species: Bolton, 1995b: 278; Seifert, 2011: 170; Bračko, *et al.* 2014: 14; Lebas, *et al.* 2016: 324; Seifert, 2018: 163.
 Synonym of *slovaca*: Radchenko & Elmes, 2010: 280; Borowiec, L. 2014: 134; Radchenko, 2016: 142.
 [Note: Radchenko & Elmes, Borowiec, and Radchenko, give *slovaca* as senior synonym, but *curvithorax* has priority.]
Senior synonym of slovaca: Radchenko & Elmes, 2010: 281 (in text); Seifert, 2011: 170 (in text).
- dagmarae*. *Myrmica moravica* var. *dagmarae* Sadil, 1939b: 108 (w.q.m.) CZECH REPUBLIC.
 Junior synonym of *deplanata*: Radchenko & Elmes, 2010: 116; Radchenko, 2016: 130.
- daurica**. *Myrmica daurica* Motschoulsky, 1860b: 500. *Nomen nudum*.
 Material referred to *eidmanni* by Radchenko & Elmes, 2010: 663.
- debilior*. *Myrmica rugosa* var. *debilior* Forel, 1902c: 228 (w.) INDIA (West Bengal, Karnataka, Uttarakhand; also no state data, “Himalaya, Inde septentrionale, and Deota”).
 Subspecies of *rugosa*: Forel, 1903a: 698; Forel, 1904c: 22; Forel, 1906b: 87; Emery, 1921f: 40; Menozzi, 1939a: 295 (in key); Weber, 1947: 463 (redescription); Chapman & Capco, 1951: 129; Bolton, 1995b: 278.
 Junior synonym of *rupestris*: Radchenko & Elmes, 2001a: 245; Radchenko & Elmes, 2010: 246; Bharti, Sasi & Radchenko, 2016: 969.
- debilis* Foerster, 1850; see under **STENAMMA**.
- decedens*. *Myrmica brevinodis* var. *decedens* Wheeler, W.M. 1917a: 503.
 [First available use of *Myrmica rubra* subsp. *brevinodis* var. *decedens* Wheeler, W.M. 1907b: 75 (w.m.) U.S.A. (Colorado); unavailable (infrasubspecific) name.]
 As unavailable (infrasubspecific) name: Wheeler, W.M. 1910g: 566.
 Subspecies of *brevinodis*: Emery, 1921f: 37; Essig, 1926: 862.
 Junior synonym of *brevispinosa*: Weber, 1950b: 198; Creighton, 1950a: 97; Smith, M.R. 1951a: 789; Smith, D.R. 1979: 1348; Bolton, 1995b: 278.
- dentata**. *Myrmica bergi* subsp. *dshungarica* var. *dentata* Kuznetsov-Ugamsky, 1927e: 192 (m.) KAZAKHSTAN; unavailable (infrasubspecific) name.
 Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 278.

Material referred to *dshungarica* by Radchenko, 1994f: 73; Radchenko & Elmes, 2010: 663.

denticornis. *Myrmica denticornis* Curtis, 1854: 215, figs. 18, 19 (w.m.) GREAT BRITAIN.

Smith, F. 1855b: 121 (q.).

Status as species: Smith, F. 1855b: 120.

Junior synonym of *granulinodis*: Nylander, 1856b: 81 (footnote).

Junior synonym of *rubra*: Forel, 1899c: 63 (error).

Junior synonym of *lobicornis*: Smith, F. 1858b: 116; Roger, 1859: 252; Mayr, 1861: 63 (in key); Mayr, 1863: 433; Roger, 1863b: 28; André, 1874: 203 (in list); Forel, 1874: 101 (in list); Emery & Forel, 1879: 460; Dalla Torre, 1893: 111; Forel, 1899c: 63; Ruzsky, 1905b: 693; Donisthorpe, 1915d: 134; Donisthorpe, 1927b: 145; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 278; Radchenko & Elmes, 2010: 185; Radchenko, 2016: 121.

deplanata. *Myrmica lobicornis* var. *deplanata* Emery, 1921f: 38.

[First available use of *Myrmica scabrinodis* subsp. *lobicornis* var. *deplanata* Ruzsky, 1905b: 700 (w.) UKRAINE, RUSSIA, GEORGIA; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Emery, 1908a: 179; Ruzsky, 1925b: 46.

Subspecies of *lobicornis*: Soudek, 1922: 46; Karavaiev, 1927a: 283; Karavaiev, 1927c: 259 (in key); Ruzsky, 1936: 95; Ruzsky, 1946: 70; Weber, 1948a: 276.

Subspecies of *schencki*: Finzi, 1926: 111.

Junior synonym of *lacustris*: Radchenko, 1994f: 77; Seifert, 2003b: 150; Radchenko, Elmes & Alicata, 2006: 516; Schultz, R. *et al.* 2006: 203; Werner & Wiezik, 2007: 139.

Status as species: Arnol'di, 1934: 169 (redescription); Karavaiev, 1934: 83 (redescription); Karavaiev, 1936: 275 (redescription); Stitz, 1939: 105; Arnol'di, 1970b: 1838 (in key); Arnol'di, 1976a: 557 (in key); Tarbinsky, 1976: 31 (redescription); Arnol'di & Dlussky, 1978: 535 (in key); Agosti & Collingwood, 1987a: 53; Agosti & Collingwood, 1987b: 268 (in key); Seifert, 1988b: 36 (redescription); Dlussky, Soyunov & Zabelin, 1990: 184; Arakelian, 1994: 24; Bolton, 1995b: 278; Gallé, *et al.* 1998: 214; Petrov, 2006: 88 (in key); Radchenko & Elmes, 2009c: 511; Radchenko & Elmes, 2010: 116; Csösz, *et al.* 2011: 56; Czechowski, *et al.* 2012: 109; Czekes, *et al.* 2012: 41 (in key); Guénard & Dunn, 2012: 47; Kiran & Karaman, 2012: 22; Borowiec, L. 2014: 129; Lebas, *et al.* 2016: 322; Radchenko, 2016: 130; Chen, Zhou & Huang, 2016: 117 (in key); Salata & Borowiec, 2018c: 47; Seifert, 2018: 174.

Senior synonym of *dagmarae*: Radchenko & Elmes, 2010: 116; Radchenko, 2016: 130.

Senior synonym of *moravica*: Karavaiev, 1934: 83; Arnol'di, 1970b: 1843; Seifert, 1988b: 36; Bolton, 1995b: 278; Radchenko & Elmes, 2009c: 511; Radchenko & Elmes, 2010: 116; Radchenko, 2016: 130.

Senior synonym of *plana*: Karavaiev, 1934: 83; Arnol'di, 1970b: 1843; Seifert, 1988b: 36; Bolton, 1995b: 278; Radchenko & Elmes, 2009c: 511; Radchenko & Elmes, 2010: 116; Radchenko, 2016: 130.

derzhavini. *Myrmica sulcinodis* subsp. *derzhavini* Ruzsky, 1920: 76 (w.) RUSSIA.

[Misspelled as *derthavini* by Bolton, 1995b: 278.]

Junior synonym of *sulcinodis*: Kupyanskaya, 1986b: 94; Radchenko, 1994g: 81; Bolton, 1995b: 278; Radchenko & Elmes, 2010: 294; Radchenko, 2016: 124.

detrinodis, misspelling, see under *detritinodis*.

detritinodis. *Myrmica scabrinodis* var. *detritinodis* Emery, 1921f: 40.

[First available use of *Myrmica rubra* subsp. *scabrinodis* var. *detritinodis* Emery, 1895c: 316 (w.) U.S.A. (Maryland); unavailable (infrasubspecific) name.]

[Misspelled as *detrinodis* by Smith, M.R. 1951a: 790.]

As unavailable (infrasubspecific) name: Wheeler, W.M. 1906b: 8; Wheeler, W.M. 1910g: 566; Emery, 1921f: 40.

Junior synonym of *fracticornis*: Weber, 1948a: 276; Smith, M.R. 1951a: 790; Smith, D.R. 1979: 1349; Bolton, 1995b: 278.

Status as species: Wheeler, G.C., *et al.* 1994: 303; Coover, 2005: 35; Ouellette, *et al.* 2010: 1450; Ellison, *et al.* 2012: 283.

dicaporiacoi. *Myrmica dicaporiacoi* Menozzi, 1939a: 289, figs. 5, 6 (w.) PAKISTAN.

[Also described as new by Menozzi, in Weber, 1947: 465.]

Status as species: Bolton, 1995b: 278.

Junior synonym of *aimonissabaudiae*: Radchenko & Elmes, 2001a: 248; Radchenko & Elmes, 2010: 82; Bharti, Sasi & Radchenko, 2016: 961.

diffusa Jerdon, 1851; see under **CREMATOGASTER**.

diligens Smith, F. 1865; see under **TETRAMORIUM**.

diluta. *Myrmica diluta* Nylander, 1849: 41 (w.) RUSSIA (no state data, "Rossia meridionali").

Status as species: Smith, F. 1858b: 119.

Junior synonym of *rubra*: Karavaiev, 1934: 65.

Junior synonym of *ruginodis*: Mayr, 1861: 63 (in key), Mayr, 1863: 435; Roger, 1863b: 28; Dours, 1873: 168; André, 1874: 203 (in list); Forel, 1874: 101 (in list); Emery & Forel, 1879: 460; Dalla Torre, 1893: 115; Ruzsky, 1905b: 671; Donisthorpe, 1915d: 115; Emery, 1921f: 39; Donisthorpe, 1927b: 125; Bolton, 1995b: 278; Radchenko, 2007: 28; Radchenko & Elmes, 2010: 236; Radchenko, 2016: 120.

dimidiata. *Myrmica dimidiata* Say, 1836: 293 (q.) U.S.A. (no state data).

Status as species: Smith, F. 1858b: 129; Mayr, 1863: 432; Cresson, 1887: 260; Dalla Torre, 1893: 109; Emery, 1921f: 37.

Junior synonym of *rubra*: Weber, 1947: 448.

Junior synonym of *ruginodis*: Bolton, 1995b: 278 (error).

Unidentifiable taxon; *incertae sedis* in *Myrmica*: Smith, M.R. 1951a: 791; Smith, M.R. 1958c: 138.

Unidentifiable taxon; *incertae sedis* in Myrmicinae: Smith, D.R. 1979: 1414.

discontinua. *Myrmica brevinodis* subsp. *discontinua* Weber, 1939b: 150 (w.) U.S.A. (Colorado, North Dakota, Wyoming), CANADA (Newfoundland, Nova Scotia).

Subspecies of *brevinodis*: Wheeler, G.C. & Wheeler, E.W. 1944: 241; Weber, 1950b: 201 (redescription); Smith, M.R. 1951a: 789.

Subspecies of *brevispinosa*: Creighton, 1950a: 98; Cole, 1953e: 243; Smith, M.R. 1958c: 113; Beck, *et al.* 1967: 71; Smith, M.R. 1967: 349; Smith, D.R. 1979: 1348.

Status as species: Talbot, 1976: 245; Francoeur, 1977b: 206; Bolton, 1995b: 278; Mackay & Mackay, 2002: 159; Ward, 2005: 66.

displicentia. *Myrmica displicentia* Bolton, 1995b: 278.

Replacement name for *Myrmica bicolor* Kupyanskaya, 1986b: 94. [Junior primary homonym of **Myrmica bicolor* Heer, 1867: 31.]

Status as species: Radchenko & Elmes, 2010: 119.

divergens. *Myrmica bergi* var. *divergens* Karavaiev, 1931c: 105, fig. 1 (w.) RUSSIA (Sakha (Yakutia)).

Radchenko, Elmes & Woyciechowski, 2002: 411 (q.m.).

Subspecies of *bergi*: Weber, 1947: 473; Pisarski, 1969a: 227; Dlussky & Pisarski, 1970: 85; Pisarski & Krzysztofiak, 1981: 155; Bolton, 1995b: 278.

Junior synonym of *bergi*: Radchenko, 1994e: 76.

Status as species: Radchenko, Elmes & Woyciechowski, 2002: 411 (redescription); Radchenko & Elmes, 2010: 121; Yamane & Aibek, 2012: 174.

diversa. *Myrmica (Monomorium) diversa* Buckley, 1867: 337 (s.w.q.) U.S.A. (Texas).

Combination in *Monomorium*: Cresson, 1887: 262.

Status as species: Cresson, 1887: 262; Dalla Torre, 1893: 109.

- Unidentifiable taxon: Emery, 1895c: 338; Wheeler, W.M. 1902f: 26;
 unidentifiable taxon; *incertae sedis* in Myrmicinae: Smith, M.R. 1951a: 833; Smith, D.R. 1979: 1414;
 unidentifiable taxon; *incertae sedis* in *Myrmica*: Bolton, 1995b: 278.
- dolens*. *Myrmica puerilis* ab. *dolens* Stärcke, 1942c: xxvii (w.q.m.) NETHERLANDS.
 Subspecies of *bessarabicus*: Bolton, 1995b: 278.
 Subspecies of *specioides*: Seifert, 2002a: 95 (by implication); Radchenko & Elmes, 2004: 229 (by implication).
 Junior synonym of *specioides*: Radchenko & Elmes, 2010: 284; Seifert, 2011: 183; Radchenko, 2016: 136.
- domestica* Shuckard, 1838; see under **MONOMORIUM**.
- dongi**. *Myrmica dongi* Chen, Zhou & Huang, 2016: 96, figs. 8-13 (w.q.) CHINA (Xizang).
- draco**. *Myrmica draco* Radchenko, Zhou & Elmes, 2001: 214, figs. 11-26 (w.q.m.) CHINA (Guangxi).
Status as species: Radchenko & Elmes, 2010: 122; Guénard & Dunn, 2012: 47; Chen, Zhou & Huang, 2016: 118 (in key).
- dshungarica**. *Myrmica rugosa* subsp. *dshungarica* Ruzsky, 1905b: 661 (w.) KAZAKHSTAN.
 [Misspelled as *dschungarica* by Tarbinsky, 1976: 29.]
 Kuznetsov-Ugamsky, 1927e: 192 (q.m.); Wheeler, G.C. & Wheeler, J. 1953a: 123 (l.).
Subspecies of rugosa: Kuznetsov-Ugamsky, 1927e: 191.
Subspecies of smythiesii: Emery, 1908a: 169; Ruzsky, 1915a: 439 (in text); Emery, 1921f: 42; Weber, 1947: 458 (redescription).
Status as species: Arnol'di, 1976a: 551; Tarbinsky, 1976: 29 (redescription); Dlussky, 1981a: 17; Radchenko, 1994c: 137 (in key); Radchenko, 1994f: 73; Bolton, 1995b: 278; Schultz, R. *et al.* 2006: 203; Radchenko & Elmes, 2010: 124.
Senior synonym of iskanderi: Radchenko, 1994f: 73; Radchenko & Elmes, 2010: 124.
Senior synonym of minuta Ruzsky: Radchenko, 1994f: 73; Radchenko & Elmes, 2010: 124.
Senior synonym of ruginodiformis: Arnol'di, 1976a: 551; Radchenko, 1994f: 73; Bolton, 1995b: 278; Radchenko & Elmes, 2010: 124.
Senior synonym of svartshevskii: Radchenko, 1994f: 73; Radchenko & Elmes, 2010: 124.
Senior synonym of tarbinskii: Radchenko, 1994f: 73; Radchenko & Elmes, 2010: 124.
 Material of the unavailable names *brevispina*, *infuscata* referred here by Tarbinsky, 1976: 29; Radchenko, 1994f: 73; Bolton, 1995b: 278.
 Material of the unavailable names *dentata*, *subacuta* referred here by Radchenko, 1994f: 73.
- **duisburgi* Mayr, 1868; see under ***AGROECOMYRMEX**.
- eidmanni**. *Myrmica eidmanni* Menozzi, 1930d: 331, fig. 3 (w.) RUSSIA (Buryatia).
Subspecies of scabrinodis: Weber, 1950b: 204; Bolton, 1995b: 278.
Status as species: Chapman & Capco, 1951: 125; Radchenko, 1994g: 91; Radchenko, 2005b: 139; Radchenko & Elmes, 2010: 127; Yamane & Aibek, 2012: 174; Chen, Zhou & Huang, 2016: 117 (in key).
Senior synonym of littoralis: Radchenko, 2005b: 139; Radchenko & Elmes, 2010: 127.
- elbrusi**. *Myrmica elbrusi* Radchenko & Yusupov, 2012: 594, figs. 1-9 (w.q.) RUSSIA (North Caucasus).
Status as species: Borowiec, L. 2014: 130.
- elmesi**. *Myrmica elmesi* Bharti & Sharma, 2011a: 54, figs. 1-3 (w.) INDIA (Jammu & Kashmir).
Status as species: Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 964; Chen, Zhou & Huang, 2016: 121 (in key).
- emeryana*. *Myrmica schencki* subsp. *emeryana* Wesson, L.G. & Wesson, R.G. 1940: 94.

[First available use of *Myrmica scabrinodis* r. *schlenki* var. *emeryana* Forel, 1914c: 617 (w.q.m.) U.S.A. (North Carolina); unavailable (infrasubspecific) name.]

[Note: fixation of type-locality: Smith, M.R. 1954d: 140.]

Wheeler, G.C. & Wheeler, J. 1953a: 114 (l.).

As unavailable (infrasubspecific) name: Emery, 1921f: 41; Wing, 1939: 162.

Subspecies of *schlenki*: Cole, 1942: 368; Buren, 1944a: 283; Wheeler, G.C. & Wheeler, E.W. 1944: 243; Weber, 1948a: 298 (redescription); Smith, M.R. 1951a: 790; Smith, M.R. 1958c: 113; Smith, M.R. 1967: 350.

Status as species: Creighton, 1950a: 98; Cole, 1953e: 243; Smith, M.R. 1954d: 138; Carter, 1962a: 6 (in list); Hunt & Snelling, 1975: 21; Francoeur, 1977b: 206; Yensen, *et al.* 1977: 182; Wheeler, G.C. & Wheeler, J. 1978: 389; Smith, D.R. 1979: 1348; Allred, 1982: 490; Wheeler, G.C. & Wheeler, J. 1986g: 23; DuBois & LaBerge, 1988: 140; Mackay, Lowrie, *et al.* 1988: 93.

Synonym of *latifrons*: Weber, 1948a: 298; Smith, M.R. 1951a: 790; Smith, M.R. 1954d: 138; Smith, D.R. 1979: 1348; Wheeler, G.C. & Wheeler, J. 1986g: 12.

[Note: all these authors give *emeryana* as senior synonym, but *latifrons* has priority (Bolton, 1995b: 278).]

Junior synonym of *latifrons*: Bolton, 1995b: 278; Coover, 2005: 36.

emeryi. *Myrmica emeryi* Radchenko & Elmes, 2009b: 3, figs. 1-5 (w.) BORNEO (Indonesia: Kalimantan, Laut I. = "Pulo Laut").

Status as species: Radchenko & Elmes, 2010: 128; Pfeiffer, *et al.* 2011: 47.

***eocenica.** *Myrmica eocenica* Radchenko, Dlussky & Elmes, 2007: 1497, figs. 4, 5 (w.) BALTIC AMBER (Eocene).

Status as species: Dlussky & Rasnitsyn, 2009: 1032; Radchenko & Elmes, 2010: 653; Perkovsky, 2016: 116.

erepatrix. *Myrmica erepatrix* Bolton, 1988a: 2, figs. 1, 5 (q.) INDIA (Jammu & Kashmir).

Status as species: Bolton, 1995b: 279; Radchenko & Elmes, 2001a: 250; Radchenko & Elmes, 2003a: 236; Radchenko & Elmes, 2010: 130; Bharti, Guénard, *et al.* 2016: 40; Bharti, Radchenko & Sasi, 2016: 124 (in key); Bharti, Sasi & Radchenko, 2016: 964.

erythrothorax. *Myrmica erythrothorax* Lund, 1831a: 116 (footnote) (w.) BRAZIL (Minas Gerais). *Nomen nudum.*

[Also as new in Lund, 1831b: 100. *Nomen nudum.*]

[*Myrmica erythrothorax* Lund: Dalla Torre, 1893: 109, and Forel, 1895b: 125. *Nomina nuda.*]

europaea. *Myrmica laevinodis* var. *europaea* Finzi, 1926: 84.

[First available use of *Myrmica rubra* subsp. *champlaini* var. *europaea* Forel, 1911h: 457 (w.) NORWAY; unavailable (infrasubspecific) name.]

Santschi, 1931b: 339 (m.).

As unavailable (infrasubspecific) name: Bondroit, 1920a: 151; Emery, 1921f: 39.

Subspecies of *laevinodis*: Santschi, 1931b: 339; Stitz, 1939: 83; Weber, 1947: 454.

Subspecies of *rubra*: Bolton, 1995b: 279.

Junior synonym of *rubra*: Radchenko, *et al.* 1997: 483; Czechowski, *et al.* 2002: 17; Radchenko & Elmes, 2010: 228; Czechowski, *et al.* 2012: 73; Radchenko, 2016: 118.

everesti. *Myrmica everesti* Donisthorpe, 1929a: 445 (w.) CHINA (Tibet).

Status as species: Menozzi, 1939a: 295 (in key); Weber, 1950b: 223; Chapman & Capco, 1951: 125; Collingwood, 1970: 374; Bolton, 1995b: 279.

Junior synonym of *rupestris*: Radchenko & Elmes, 2001a: 245; Radchenko & Elmes, 2010: 246; Bharti, Sasi & Radchenko, 2016: 969.

excelsa. *Myrmica excelsa* Kupyanskaya, 1990: 115, figs. 16, 19, 20 (w.q.m.) RUSSIA (Primorsky Region).

Status as species: Radchenko, 1994c: 144 (in key); Radchenko, 1994g: 90; Bolton, 1995b: 279; Radchenko, 2005b: 140; Radchenko, Zhou, *et al.* 2008: 783; Yamane, 2008: 29; Radchenko & Elmes, 2010: 131; Guénard & Dunn, 2012: 47; Chen, Zhou & Huang, 2016: 112 (in key).

Senior synonym of *cadusa*: Radchenko, 2005b: 140; Radchenko & Elmes, 2010: 131.

Senior synonym of *sinica*: Radchenko, Zhou, *et al.* 2008: 783; Radchenko & Elmes, 2010: 131; Chen, Zhou & Huang, 2016: 89.

exigua Buckley, 1867; see under **SOLENOPSIS**.

exigua. *Myrmica smythiesii* subsp. *exigua* Ruzsky, 1915a: 440, figs. 19, 20 (w.m.) CHINA (Tibet).

[**Junior primary homonym** of *Myrmica exigua* Buckley, 1867: 342.]

Subspecies of *smythiesii*: Emery, 1921f: 41; Menozzi, 1939a: 294 (in key); Eidmann, 1941: 16; Weber, 1947: 460; Chapman & Capco, 1951: 130; Bolton, 1995b: 279.

Replacement name: *Myrmica ruzskyana* Radchenko & Elmes, 2010: 249.

eximia. *Myrmica sulcinodis* subsp. *eximia* Kupyanskaya, 1990: 104, figs. 17, 18 (w.q.m.) RUSSIA (South Siberia, Far East).

Subspecies of *sulcinodis*: Bolton, 1995b: 279.

Junior synonym of *sulcinodis*: Radchenko, 1994g: 81; Radchenko, 2005b: 144; Radchenko & Elmes, 2010: 294; Radchenko, 2016: 124.

faniensis. *Myrmica faniensis* van Boven, 1970a: 127, figs. 1, 2 (q.) BELGIUM.

Status as species: Kutter, 1973c: 256; van Boven, 1977: 114; Mei, 1987: 466 (in table); Bolton, 1988a: 4 (in table); Bolton, 1995b: 279 (error).

Junior synonym of *karavajevi*: Seifert, 1994: 15; Gallé, *et al.* 1998: 214; Radchenko & Elmes, 2003a: 231; Radchenko & Elmes, 2010: 163; Csösz, *et al.* 2011: 56; Radchenko, 2016: 159.

ferganensis. *Myrmica laevinodis* var. *ferganensis* Finzi, 1926: 84.

[First available use of *Myrmica rubra* subsp. *levinodis* var. *ferganensis* Karavaiev, 1916: 503 (w.) KYRGYZSTAN; unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Kuznetsov-Ugamsky, 1927e: 193.

Junior synonym of *ruginodolaevinodis*: Sadil, 1952: 241.

Junior synonym of *rubra*: Tarbinsky, 1976: 40.

Status as species: Arnol'di, 1976a: 550; Radchenko, 1994a: 41; Radchenko, 1994c: 137 (in key); Radchenko, 1994f: 74; Bolton, 1995b: 279; Radchenko & Elmes, 2010: 133.

flavidula Nylander, 1849; see under **SOLENOPSIS**.

fodicus Jerdon, 1851; see under **MYRMICARIA**.

forcipata. *Myrmica (Myrmica) forcipata* Karavaiev, 1931c: 105, fig. 2 (w.) RUSSIA (Sakha (Yakutia)).

Radchenko, 1994g: 88 (q.m.).

Status as species: Weber, 1950b: 211; Pisarski, 1969a: 228; Pisarski, 1969b: 296; Pisarski & Krzysztofiak, 1981: 156; Radchenko, 1994b: 107 (in key); Radchenko, 1994c: 142 (in key); Radchenko, 1994g: 88; Bolton, 1995b: 279; Radchenko & Elmes, 2010: 134; Yamane & Aibek, 2012: 175; Chen, Zhou & Huang, 2016: 95.

foreli. *Myrmica lobicornis* st. *foreli* Santschi, 1931b: 348, fig. 6 (w.q.) AUSTRIA.

Subspecies of *lobicornis*: Weber, 1948a: 276.

Junior synonym of *lobicornis*: Bernard, 1967: 122; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 279; Radchenko & Elmes, 2010: 186; Radchenko, 2016: 122.

foreliana. *Myrmica foreliana* Radchenko & Elmes, 2001a: 247.

Replacement name for *Myrmica carbonaria* Forel, 1902c: 227. [Junior primary homonym of *Myrmica carbonaria* Smith, F. 1858b: 127.]

Status as species: Radchenko & Elmes, 2010: 135; Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 965.

foreliella. *Myrmica lobicornis* subsp. *foreliella* Arnol'di, 1976a: 553 (w.) TAJIKISTAN.

Subspecies of *lobicornis*: Bolton, 1995b: 279.

Junior synonym of *kirghisorum*: Radchenko, 1994g: 87; Radchenko & Elmes, 2010: 167.

formosa Smith, F. 1858; see under **PODOMYRMA**.

formosae. *Myrmica margaritae* var. *formosae* Wheeler, W.M. 1929g: 37 (w.) TAIWAN.

[*Myrmica margaritae* var. *formosae* Wheeler, W.M. 1928c: 9. *Nomen nudum*.]

[**Junior primary homonym** of *Myrmica formosa* Smith, F. 1858b: 128.]

Subspecies of *margaritae*: Wheeler, W.M. 1930a: 95; Chapman & Capco, 1951: 127.

Subspecies of *ritae*: Weber, 1950b: 220 (redescription).

Status as species: Radchenko, 1994a: 44; Bolton, 1995b: 279; Radchenko & Elmes, 1998: 7; Elmes & Radchenko, 1998: 222; Lin & Wu, 2003: 64; Terayama, 2009: 160.

Senior synonym of *pulchella*: Radchenko & Elmes, 1998: 7; Elmes & Radchenko, 1998: 222; Terayama, 2009: 160.

Replacement name: *Myrmica pulchella* Santschi, 1937h: 368 (Radchenko & Elmes, 2010: 221).

[Note: *pulchella* junior synonym of *formosae* Wheeler, W.M. (synonymy by Radchenko & Elmes, 1998: 7); hence *pulchella* first available replacement name.]

fortior. *Myrmica smythiesii* var. *fortior* Forel, 1904c: 22 (w.) INDIA (Jammu & Kashmir; also no state data, "Deota, Himalaya N.O."), RUSSIA (Primorsky Krai).

[Note: material from Russian far east excluded from *fortior* by Radchenko & Elmes, 2010: 133.]

Radchenko & Elmes, 2002: 39 (q.m.).

As unavailable (infrasubspecific) name: Ruzsky, 1905b: 660.

Subspecies of smythiesii: Forel, 1906b: 87; Emery, 1908a: 168; Emery, 1921f: 41; Menozzi, 1939a: 295 (in key); Weber, 1947: 460; Chapman & Capco, 1951: 130; Bolton, 1995b: 279.

Status as species: Radchenko & Elmes, 2001a: 254; Radchenko & Elmes, 2002: 39; Radchenko & Elmes, 2010: 136; Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 965.

fortior. *Myrmica bergi* var. *fortior* Crawley, 1920a: 163 (w.) IRAN.

[**Junior primary homonym** of *Myrmica smythiesii* var. *fortior* Forel, 1904c: 22.]

Replacement name: *Myrmica bergi* subsp. *persiana* Weber, 1947: 474.

fracticornis. *Myrmica lobicornis* var. *fracticornis* Forel, 1901e: 371 (in text).

[First available use of *Myrmica rubra* subsp. *scabrinodis* var. *fracticornis* Emery, 1895c: 313 (w.) U.S.A. (Connecticut, New York); unavailable (infrasubspecific) name.]

[Note: type-locality designated as New York by Creighton, 1950a: 100.]

Weber, 1948a: 280 (q.m.); Wheeler, G.C. & Wheeler, J. 1953a: 117 (l.).

As unavailable (infrasubspecific) name: Wheeler, W.M. 1906b: 7; Wheeler, W.M. 1908f: 621; Wheeler, W.M. 1910g: 566; Emery, 1921f: 40; Cole, 1937b: 135; Dennis, 1938: 288.

Subspecies of scabrinodis: Wheeler, W.M. 1916m: 587; Menozzi, 1932b: 310.

Subspecies of lobicornis: Wing, 1939: 162; Wesson, L.G. & Wesson, R.G. 1940: 94; Cole, 1942: 368; Wheeler, G.C. & Wheeler, E.W. 1944: 241; Weber, 1947: 441; Weber, 1948a: 276 (redescription); Creighton, 1950a: 100; Smith, M.R. 1951a: 790; Cole, 1953e: 242; Smith, M.R. 1958c: 113; Beck, *et al.* 1967: 71; Smith, M.R. 1967: 349; Hunt & Snelling, 1975: 21; Smith, D.R. 1979: 1349; DuBois & LaBerge, 1988: 140; Mackay, Lowrie, *et al.* 1988: 93 (in key).

Status as species: Talbot, 1976: 245; Francoeur, 1977b: 206; Yensen, *et al.* 1977: 182; Wheeler, G.C. & Wheeler, J. 1978: 389; Wheeler, G.C. & Wheeler, J. 1986g: 23; Wheeler, G.C., *et al.* 1994: 303; Bolton, 1995b: 279; Mackay & Mackay, 2002: 159; Covert, 2005: 35; Ellison, *et al.* 2012: 284.

fragilis Smith, F. 1858; see under **MONOMORIUM**.

frigida. *Myrmica brevinodis* var. *frigida* Wheeler, W.M. 1917a: 502.

[First available use of *Myrmica rubra* subsp. *brevinodis* var. *frigida* Forel, 1902i: 699 (w.) CANADA (British Columbia); unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Forel, 1904a: 154; Wheeler, W.M. 1907b: 78; Wheeler, W.M. 1910g: 566.

Subspecies of *brevinodis*: Emery, 1921f: 37; Essig, 1926: 862.

Junior synonym of *brevinodis*: Creighton, 1950a: 96.

Junior synonym of *sulcinodoides*: Wheeler, W.M. 1917e: 16; Weber, 1950b: 195; Smith, M.R. 1951a: 789; Smith, D.R. 1979: 1349; Bolton, 1995b: 279.

Junior synonym of *incompleta*: Shattuck & Cover, 2016: 18.

furva. *Myrmica tibetana* var. *furva* Ruzsky, 1915a: 441 (w.) CHINA (Tibet).

[Misspelled as *fulva* by Chapman & Capco, 1951: 130.]

Subspecies of *tibetana*: Emery, 1921f: 42; Menozzi, 1939a: 293 (in key); Weber, 1947: 466; Chapman & Capco, 1951: 130.

Junior synonym of *tibetana*: Radchenko, 1994a: 41; Bolton, 1995b: 279.

Junior synonym of *bactriana*: Radchenko & Elmes, 2010: 96.

fuscipennis Smith, F. 1861; see under **PRISTOMYRMEX**.

fuscula Nylander, 1846; see under **TETRAMORIUM**.

galbula Losana, 1834; see under **MESSOR**.

gallienii. *Myrmica gallienii* Bondroit, 1920a: 150, fig. 1 (w.) FRANCE.

[Also described as new by Bondroit, 1920b: 302.]

Collingwood, 1979: 48 (q.m.).

Junior synonym of *sulcinodis*: Bernard, 1967: 121.

Status as species: Finzi, 1926: 90; Collingwood, 1978: 67, 78 (in key); Collingwood, 1979: 48; Agosti & Collingwood, 1987a: 53; Agosti & Collingwood, 1987b: 268 (in key); Seifert, 1988b: 9 (redescription); Atanassov & Dlussky, 1992: 91; Radchenko, 1994c: 143 (in key); Radchenko, 1994e: 76; Douwes, 1995: 88; Bolton, 1995b: 279; Radchenko, *et al.* 1997: 487; Gallé, *et al.* 1998: 214; Wei, Zhou, *et al.* 2001: 562; Czechowski, *et al.* 2002: 24; Markó & Csösz, 2002: 112; Bračko, 2006: 138; Petrov, 2006: 87 (in key); Bračko, 2007: 18; Seifert, 2007: 203; Werner & Wiezik, 2007: 139; Zryanin & Zryanina, 2007: 230; Casevitz-Weulersse & Galkowski, 2009: 490; Lapeva-Gjonova, *et al.* 2010: 8; Boer, 2010: 55; Radchenko & Elmes, 2010: 138; Csösz, *et al.* 2011: 56; Legakis, 2011: 5; Borowiec, L. & Salata, 2012: 520; Czechowski, *et al.* 2012: 105; Czekes, *et al.* 2012: 43 (in key); Guénard & Dunn, 2012: 47; Kiran & Karaman, 2012: 22; Borowiec, L. 2014: 130; Lebas, *et al.* 2016: 306; Radchenko, 2016: 156; Salata & Borowiec, 2018c: 47; Seifert, 2018: 164.

Senior synonym of *jacobsoni*: Collingwood, 1979: 48; Seifert, 1988b: 9; Radchenko, 1994e: 76; Bolton, 1995b: 279; Radchenko, *et al.* 1997: 487; Czechowski, *et al.* 2002: 24; Radchenko & Elmes, 2010: 138; Czechowski, *et al.* 2012: 105; Radchenko, 2016: 156.

Senior synonym of *limanica*: Collingwood, 1979: 48; Seifert, 1988b: 9; Radchenko, 1994e: 76; Bolton, 1995b: 279; Radchenko & Elmes, 2010: 138; Radchenko, 2016: 156.

Senior synonym of *obensis*: Radchenko, 1994e: 76; Radchenko & Elmes, 2010: 138; Radchenko, 2016: 156.

Material of the unavailable names *chersonensis*, *strandii* referred here by Radchenko, 1994e: 76; Radchenko, 2016: 156.

gayi Spinola, 1851; see under **SOLENOPSIS**.

gebaueri. *Myrmica gebaueri* Seifert, Schultz, *et al.* 2018: 105, figs. 7-11 (w.) CHINA (Tibet).

georgica. *Myrmica georgica* Seifert, 1987: 183, figs. 1-10 (w.m.) GEORGIA, KAZAKHSTAN.

Status as species: Radchenko & Elmes, 2004: 231; Gratiashvili & Barjadze, 2008: 140; Radchenko & Elmes, 2010: 141.

Junior synonym of *turcica*: Seifert, 1988b: 18; Arakelian, 1994: 27; Bolton, 1995b: 279.

Junior synonym of *scabrinodis*: Radchenko, 1994e: 79.

Junior synonym of *salina*: Seifert, 2011: 183.

gigantea. *Aphaenogaster (Nystalomyrma) gigantea* Collingwood, 1962: 225, fig. 7 (w.q.) MYANMAR.

Combination in *Myrmica*: Radchenko & Elmes, 1998: 13.

Junior synonym of *ritae*: Collingwood, 1970: 374.

Status as species: Bolton, 1995b: 70; Radchenko & Elmes, 1998: 13; Radchenko & Elmes, 2010: 143.

glaber Smith, F. 1862; see under **SOLENOPSIS**.

glacialis. *Myrmica lobicornis* var. *glacialis* Emery, 1921f: 38.

[First available use of *Myrmica rubra* r. *scabrinodis* var. *glacialis* Forel, 1904a: 154 (w.) CANADA (Alberta, British Columbia); unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Wheeler, W.M. 1910g: 566; Wheeler, W.M. 1917a: 504; Wheeler, W.M. 1917e: 21 (in text); Emery, 1921f: 40; Essig, 1926: 862; Cole, 1937b: 135.

Material of *glacialis* referred to *lobifrons* by Wheeler, W.M. 1917e: 21.

Junior synonym of *fracticornis*: Weber, 1948a: 276; Smith, M.R. 1951a: 790.

Junior synonym of *lobifrons*: Creighton, 1950a: 100; Smith, D.R. 1979: 1350; Bolton, 1995b: 279.

Status as species: Ward, 2005: 15.

globularia Smith, F. 1858; see under **SOLENOPSIS**.

glyciphila Smith, F. 1858; see under **MONOMORIUM**.

gracilescens Smith, F. 1860; see under **PHEIDOLE**.

gracillima Smith, F. 1861; see under **TRICHOMYRMEX**.

grandis. *Myrmica scabrinodis* subsp. *lobicornis* var. *grandis* Kuznetsov-Ugamsky, 1927e: 196 (w.) KYRGYZSTAN; unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 279.

Material referred to *lacustris* by Radchenko, 1994f: 77.

granulinodis. *Myrmica granulinodis* Nylander, 1846b: 1060 (in text) (q.m.) RUSSIA (Siberia).

As unavailable (infrasubspecific) name: Emery, 1921f: 40.

Status as species: Nylander, 1856b: 81 (footnote); Smith, F. 1858b: 116; Roger, 1863b: 29; Mayr, 1863: 432; André, 1874: 203; Mayr, 1877: 20 (in list); Nasonov, 1889: 36; Dalla Torre, 1893: 110, 113 (footnote); Stärcke, 1926: 93 (in key).

Subspecies of *scabrinodis*: André, 1883a: 322, 325; Weber, 1950b: 205; Chapman & Capco, 1951: 129.

Junior synonym of *sabuleti*: Emery, 1908a: 177 (footnote); Sadil, 1952: 246; Bolton, 1995b: 279.

Unidentifiable taxon, *incertae sedis* in *Myrmica*: Radchenko, 1994g: 90; Radchenko & Elmes, 2010: 659.

hamulata. *Myrmica sabuleti* subsp. *hamulata* Weber, 1939b: 146 (w.q.m.) U.S.A. (New Mexico).

Subspecies of *sabuleti*: Smith, M.R. 1951a: 790; Smith, M.R. 1958c: 113; Smith, M.R. 1967: 350.

Status as species: Weber, 1948a: 293 (redescription); Creighton, 1950a: 99; Cole, 1953e: 243; Yensen, *et al.* 1977: 182; Smith, D.R. 1979: 1349; Allred, 1982: 491; Mackay, Lowrie, *et al.* 1988: 94; Bolton, 1995b: 279; Mackay & Mackay, 2002: 160.

hecate. *Myrmica smythiesi* subsp. *hecate* Weber, 1947: 461 (w.) INDIA (West Bengal).

Radchenko & Elmes, 2002: 42 (q.m.).

Subspecies of smythiesii: Bolton, 1995b: 279.

Status as species: Radchenko & Elmes, 2001a: 250; Radchenko & Elmes, 2002: 42; Radchenko & Elmes, 2010: 144; Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 965.

hellenica. *Myrmica rugulosa* var. *hellenica* Finzi, 1926: 93.

[First available use of *Myrmica scabrinodis* r. *rugulosa* var. *hellenica* Forel, 1913d: 431 (w.q.m.) GREECE; unavailable (infrasubspecific) name.]

Finzi, 1926: 93 (m.).

As unavailable (infrasubspecific) name: Emery, 1921f: 41.

Subspecies of *rugulosa*: Finzi, 1930d: 311; Weber, 1948a: 306; Baroni Urbani, 1971c: 29.

Status as species: Agosti & Collingwood, 1987b: 267 (in key); Seifert, 1988b: 13 (redescription); Bolton, 1995b: 279; Poldi, *et al.* 1995: 2; Radchenko, *et al.* 1997: 488; Czechowski, *et al.* 2002: 25; Csösz, & Markó, 2005: 239; Markó, Sipos, *et al.* 2006: 70; Petrov, 2006: 87 (in key); Seifert, 2007: 196; Werner & Wiezik, 2007: 146; Seifert, *et al.* 2009: 68; Radchenko, 2009: 70; Lapeva-Gjonova, *et al.* 2010: 8; Radchenko & Elmes, 2010: 145; Karaman, M.G. 2011b: 44; Legakis, 2011: 5; Borowiec, L. & Salata, 2012: 521; Czekes, *et al.* 2012: 46 (in key); Kiran & Karaman, 2012: 22; Borowiec, L. 2014: 130; Bračko, *et al.* 2014: 14; Lebas, *et al.* 2016: 316; Radchenko, 2016: 146; Salata & Borowiec, 2018c: 47.

Senior synonym of *caucasica*: Seifert, *et al.* 2009: 68; Radchenko & Elmes, 2010: 145; Kiran & Karaman, 2012: 22; Radchenko, 2016: 146.

Senior synonym of *rugulososcabrinodis*: Seifert, *et al.* 2009: 68; Radchenko & Elmes, 2010: 145; Kiran & Karaman, 2012: 22; Radchenko, 2016: 146.

helleri. *Myrmica helleri* Viehmeyer, 1922: 204 (w.) CHINA (Sichuan).

Subspecies of *kurokii*: Weber, 1947: 469.

Status as species: Wheeler, W.M. 1930h: 62; Eidmann, 1941: 13; Chapman & Capco, 1951: 126; Radchenko, 1994a: 42; Bolton, 1995b: 279.

Junior synonym of *kurokii*: Radchenko & Elmes, 2010: 179; Chen, Zhou & Huang, 2016: 90.

heterorhytida. *Myrmica heterorhytida* Radchenko & Elmes, 2009a: 83, figs. 61-65 (w.) CHINA (Yunnan).

Status as species: Radchenko & Elmes, 2010: 148; Chen, Zhou & Huang, 2016: 113, 121 (in key).

himalayana. *Myrmica smythiesi* subsp. *himalayana* Weber, 1947: 460 (w.) INDIA (Himachal Pradesh).

Subspecies of *smythiesii*: Bolton, 1995b: 279.

Junior synonym of *smythiesii*: Radchenko & Elmes, 2001a: 253; Radchenko & Elmes, 2010: 282; Bharti, Sasi & Radchenko, 2016: 969.

hirsuta. *Myrmica hirsuta* Elmes, 1978: 131, fig. 2 (q.m.) GREAT BRITAIN (England).

Elmes, 1994: 439 (w.).

Status as species: Collingwood, 1979: 51; Mei, 1987: 466 (in table); Bolton, 1988a: 4 (in table); Seifert, 1988b: 42 (redescription); Douwes, 1995: 87; Bolton, 1995b: 279; Radchenko, *et al.* 1997: 491; Czechowski, *et al.* 2002: 31; Radchenko & Elmes, 2003a: 228; Bolton, 2005: 14 (in key); Bračko, 2006: 138; Seifert, 2007: 201; Werner & Wiezik, 2007: 146; Zryanin & Zryanina, 2007: 231; Boer, 2010: 59; Radchenko & Elmes, 2010: 149; Czechowski, *et al.* 2012: 95; Czekes, *et al.* 2012: 43 (in key); Borowiec, L. & Salata, 2013: 358; Borowiec, L. 2014: 130; Lebas, *et al.* 2016: 326; Salata & Borowiec, 2018c: 47; Seifert, 2018: 162.

hirtula Nylander, 1849; see under **HARPAGOXENUS**.

hlavaci. *Myrmica hlavaci* Radchenko & Elmes, 2009a: 76, figs. 36-40 (w.) CHINA (Sichuan).

Status as species: Radchenko & Elmes, 2010: 151; Guénard & Dunn, 2012: 47; Chen, Zhou & Huang, 2016: 116, 122 (in key).

huaii. *Myrmica huaii* Chen, Zhou & Huang, 2016: 101, figs. 17-19 (w.) CHINA (Shaanxi).

humilis Smith, F. 1858; see under **CARDIOCONDYLA**.

hunteri Wheeler, W.M. 1914; see under **MANICA**.

hyungokae. *Myrmica hyungokae* Elmes, Radchenko & Kim, 2001: 109, figs. 1e-h (w.) SOUTH KOREA.

Junior synonym of *jessensis*: Radchenko, 2005b: 141; Radchenko & Elmes, 2010: 157.

iessensis, misspelling, see under *jessensis*.

impura Foerster, 1850; see under **TETRAMORIUM**.

incerta Smith, F. 1863; see under **PHEIDOLE**.

incompleta. *Myrmica incompleta* Provancher, 1881b: 359 (w.q.m.) CANADA (Québec).

[Also described as new by Provancher, 1883: 602.]

Wheeler, G.C. & Wheeler, J. 1953a: 116 (l.).

Junior synonym of *laevinodis*: Provancher, 1887: 247; Dalla Torre, 1893: 111; Donisthorpe, 1915d: 110; Emery, 1921f: 39; Donisthorpe, 1927b: 118; Karavaiev, 1934: 69; Smith, M.R. 1951a: 789.

Status as species: Cresson, 1887: 260; Francoeur & Béique, 1966: 141; Francoeur, 1977b: 206; Yensen, *et al.* 1977: 182; Smith, D.R. 1979: 1349; Allred, 1982: 491; Wheeler, G.C. & Wheeler, J. 1986g: 23; Mackay, Lowrie, *et al.* 1988: 94; Blacker, 1992: 5; Wheeler, G.C., *et al.* 1994: 303; Bolton, 1995b: 279; Mackay & Mackay, 2002: 161; Coover, 2005: 36; Ward, 2005: 66; Ellison, *et al.* 2012: 285; Shattuck & Cover, 2016: 18.

Senior synonym of *brevinodis*: Francoeur & Béique, 1966: 141; Smith, D.R. 1979: 1349; Bolton, 1995b: 279; Coover, 2005: 36.

Senior synonym of *canadensis*: Francoeur & Béique, 1966: 141 (by implication); Smith, D.R. 1979: 1349; Bolton, 1995b: 279.

Senior synonym of *frigida*: Shattuck & Cover, 2016: 18.

Senior synonym of *subalpina* Wheeler, W.M.: Francoeur & Béique, 1966: 141 (by implication); Smith, D.R. 1979: 1349; Bolton, 1995b: 279.

Senior synonym of *sulcinodoides*: Shattuck & Cover, 2016: 18.

Senior synonym of *whymperi*: Shattuck & Cover, 2016: 18.

incurvata. *Myrmica incurvata* Collingwood, 1976: 301, figs. 1-3 (w.) NORTH KOREA.

Status as species: Radchenko, 1994c: 139 (in key); Bolton, 1995b: 279.

Junior synonym of *angulinodis*: Radchenko, 2005b: 138; Radchenko & Elmes, 2010: 90.

indica. *Myrmica ritae* subsp. *indica* Weber, 1950b: 221 (w.) INDIA (West Bengal).

Radchenko & Elmes, 1998: 11 (q.m.).

Status as species: Radchenko, 1994a: 44; Bolton, 1995b: 279; Radchenko & Elmes, 1998: 11; Radchenko & Elmes, 2001a: 241; Elmes & Radchenko, 2009: 117; Radchenko & Elmes, 2010: 152; Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 965.

inezae. *Myrmica inezae* Forel, 1902c: 226 (w.) INDIA (Madhya Pradesh).

Radchenko & Elmes, 2002: 37 (q.).

Status as species: Forel, 1903a: 697; Bingham, 1903: 268; Emery, 1921f: 37; Weber, 1947: 467; Chapman & Capco, 1951: 126; Bolton, 1995b: 279; Radchenko & Elmes, 2001a: 255; Wei, Zhou, *et al.* 2001: 562 (in key); Radchenko & Elmes, 2002: 37; Radchenko & Elmes, 2010: 153; Guénard & Dunn, 2012: 47; Bharti & Sharma, 2013: 129 (in key); Bharti, Sasi & Radchenko, 2016: 965.

inflecta. *Myrmica inflecta* Say, 1836: 292 (m.) U.S.A. (Indiana).

Status as species: Smith, F. 1858b: 129; Mayr, 1863: 433; Cresson, 1887: 260; Dalla Torre, 1893: 110.

Unidentifiable taxon; *incertae sedis* in Myrmicinae: Smith, M.R. 1951a: 833; Smith, D.R. 1979: 1414;

unidentifiable taxon; *incertae sedis* in *Myrmica*: Bolton, 1995b: 279.

infuscata. *Myrmica rugosa* subsp. *dshungarica* var. *infuscata* Kuznetsov-Ugamsky, 1927e: 192 (w.q.) KYRGYZSTAN; unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 279.

Material referred to *dshungarica* by Tarbinsky, 1976: 29; Radchenko, 1994f: 73; Radchenko & Elmes, 2010: 663.

inornata. *Myrmica margaritae* subsp. *inornata* Menozzi, in Eidmann, 1941: 15 (w.) CHINA.
Nomen nudum.

insolens Smith, F. 1861; see under **TETRAMORIUM**.

***intermedia**. *Nothomyrmica intermedia* Wheeler, W.M. 1915h: 61, fig. 24 (w.) BALTIC AMBER (Eocene).

Combination in *Myrmica*: Radchenko, Dlussky & Elmes, 2007: 1496.

Status as species: Burnham, 1979: 110; Keilbach, 1982: 275; Bolton, 1995b: 292; Radchenko, Dlussky & Elmes, 2007: 1496; Dlussky & Rasnitsyn, 2009: 1032; Radchenko & Elmes, 2010: 653; Perkovsky, 2016: 116.

intermedia. *Myrmica scabrinodis* subsp. *intermedia* Kuznetsov-Ugamsky, 1927e: 194 (w.) KAZAKHSTAN.

[Unresolved junior secondary homonym of *Nothomyrmica intermedia* Wheeler, W.M. 1915h: 61.]

Subspecies of *scabrinodis*: Bolton, 1995b: 279.

Junior synonym of *saposhnikovii*: Radchenko, 1994g: 85.

Unidentifiable taxon, *incertae sedis* in *Myrmica*: Radchenko & Elmes, 2010: 661.

interrupta Schenck, 1852; see under **TEMNOTHORAX**.

intrudens. *Myrmica intrudens* Smith, F. 1858b: 122 (in text). *Nomen nudum*.

inucta. *Myrmica inucta* Radchenko & Elmes, in Radchenko, Elmes & Alicata, 2006: 511, figs. 43-50 (w.) KAZAKHSTAN.

Status as species: Radchenko & Elmes, 2010: 154.

iranica. *Myrmica bergi* subsp. *iranica* Arnol'di, 1948: 211 (in list). *Nomen nudum*.

Material referred to *bergi* by Radchenko & Elmes, 2010: 663.

irritans Smith, F. 1858; see under **PHEIDOLE**.

isfahani. *Myrmica punctiventris* var. *isfahani* Forel, 1922: 92 (w.q.) U.S.A. (North Carolina, Washington)

[Misspelled as *isafahani* by Smith, M.R. 1951a: 790.]

Junior synonym of *punctiventris*: Weber, 1950b: 215; Smith, M.R. 1951a: 790; Smith, D.R. 1979: 1350; Bolton, 1995b: 279.

Junior synonym of *pinetorum*: Francoeur, 2007: 156.

iskanderi. *Myrmica minuta* subsp. *iskanderi* Arnol'di, 1976a: 548, fig. 2 (w.q.m.) TAJIKISTAN.

[Misspelled as *iscanderi* by Radchenko, 1994f: 73.]

Subspecies of *minuta*: Bolton, 1995b: 279 (error).

Junior synonym of *dshungarica*: Radchenko, 1994f: 73; Radchenko & Elmes, 2010: 124.

jacobsoni. *Myrmica jacobsoni* Kutter, 1963: 133, figs. 12-20 (w.q.m.) LATVIA, ESTONIA.

Subspecies of *limanica*: Arnol'di, 1970b: 1840; Arnol'di & Dlussky, 1978: 532 (in key).

Status as species: Kutter, 1968a: 59; Collingwood, 1971: 157; Pisarski, 1975: 11; Kutter, 1977c: 65.

Junior synonym of *gallienii*: Collingwood, 1979: 48; Seifert, 1988b: 9; Radchenko, 1994e: 76; Bolton, 1995b: 279; Radchenko, *et al.* 1997: 487; Radchenko & Elmes, 2010: 138; Czechowski, *et al.* 2012: 105; Radchenko, 2016: 156.

jennyae. *Myrmica jennyae* Elmes, Radchenko & Aktaş, 2002: 163, figs. 19-33 (w.q.m.) TURKEY, RUSSIA (Dagestan).

Status as species: Radchenko & Elmes, 2010: 155; Kiran & Karaman, 2012: 22; Borowiec, L. 2014: 130.

jessensis. *Myrmica lobicornis* var. *jessensis* Forel, 1901e: 371 (w.) JAPAN.

[Misspelled as *jessoensis* by Kono & Sugihara, 1939: 11; misspelled as *yessensis* by Azuma, 1955: 79, Collingwood, 1976: 302; misspelled as *iessensis* by Radchenko, 1994g: 88.]

Kupyanskaya, 1986a: 87 (q.m.).

As unavailable (infrasubspecific) name: Wheeler, W.M. 1906c: 316; Emery, 1908a: 180; Yano, 1910: 420; Ruzsky, 1925b: 46.

Subspecies of *lobicornis*: Emery, 1921f: 38; Teranishi, 1932: 50; Kono & Sugihara, 1939: 11; Morisita, 1945: 22; Weber, 1948a: 286; Chapman & Capco, 1951: 127; Azuma, 1955: 79; Onoyama, 1980: 197.

Status as species: Collingwood, 1976: 302; Kupyanskaya, 1986a: 85; Kupyanskaya, 1990: 110; Ogata, 1991b: 77; Morisita, *et al.* 1992: 10; Radchenko, 1994b: 109 (in key); Radchenko, 1994c: 142 (in key); Radchenko, 1994g: 88; Bolton, 1995b: 279; Wu, J. & Wang, 1995: 94; Wei, Zhou, *et al.* 2001: 562 (in key); Imai, *et al.* 2003: 183; Radchenko, 2005b: 141; Radchenko & Elmes, 2010: 157; Guénard & Dunn, 2012: 47.

Senior synonym of *hyungokae*: Radchenko, 2005b: 141; Radchenko & Elmes, 2010: 157.

***jucunda*.** *Myrmica jucunda* Smith, F. 1861a: 34 (w.) (no state data, "Syria and Palestine").

Status as species: Mayr, 1863: 433; Dalla Torre, 1893: 110.

Unidentifiable to genus; *incertae sedis* in *Myrmica*: Bolton, 1995b: 280;

unidentifiable taxon; *incertae sedis* in Myrmicinae: Radchenko & Elmes, 2010: 666.

***juglandeti*.** *Myrmica juglandeti* Arnol'di, 1976a: 549, figs. 3, 4 (w.m.) KYRGYZSTAN.

Tarbinsky, 1976: 24 (q.).

Status as species: Tarbinsky, 1976: 22 (redescription); Radchenko, 1994c: 137 (in key); Radchenko, 1994f: 74; Bolton, 1995b: 279; Schultz, R. *et al.* 2006: 206; Radchenko & Elmes, 2010: 158.

Senior synonym of *alajensis*: Radchenko, 1994f: 74; Radchenko & Elmes, 2010: 158.

Senior synonym of *tianshanica*: Radchenko, 1994f: 74; Radchenko & Elmes, 2010: 158.

jurinei* Heer, 1849; see under *PARAPHAENOGASTER**.

***kabylica*.** *Sifolinia kabylica* Cagniant, 1970d: 40, figs. 1-6 (q.m.) ALGERIA.

[*Sifolinia kabylica* Cagniant, 1970a: 414. *Nomen nudum*.]

[Misspelled as *cabylica* by Kutter, 1973c: 256.]

Combination in *Symbiomyrma*: Seifert, 1994: 16;

combination in *Myrmica*: Bolton, 1988a: 4; Radchenko & Elmes, 2003a: 236.

Status as species: Kutter, 1973c: 256; Mei, 1987: 466 (in table); Bolton, 1988a: 4 (in table); Bolton, 1995b: 280; Cagniant, 2006a: 196; Radchenko & Elmes, 2010: 160; Borowiec, L. 2014: 130.

***kamtschatica*.** *Myrmica kamtschatica* Kupyanskaya, 1986a: 88, figs. 3, 6, 9, 10, 14 (w.q.m.) RUSSIA (Kamchatka oblast).

Status as species: Kupyanskaya, 1986b: 94; Kupyanskaya, 1990: 112; Radchenko, 1994c: 139 (in key); Radchenko, 1994g: 86; Bolton, 1995b: 280; Radchenko, 2005b: 141; Radchenko & Elmes, 2010: 161; Yamane & Aibek, 2012: 176.

Senior synonym of *aborigenica*: Radchenko, 1994g: 86; Radchenko & Elmes, 2010: 161.

***kamyschiensis*.** *Myrmica kamyschiensis* Arnol'di, 1934: 159, figs. 2, 3 (w.) UKRAINE (Crimea).

Karavaiev, 1936: 273 (q.).

Subspecies of *bergi*: Karavaiev, 1936: 272 (redescription); Karavaiev, 1937: 171; Weber, 1947: 474; Arnol'di, 1970b: 1839; Arnol'di & Dlussky, 1978: 532 (in key).

Junior synonym of *bergi*: Seifert, 1988b: 11; Radchenko, 1994e: 76; Bolton, 1995b: 280; Radchenko, Elmes & Woyciechowski, 2002: 413; Radchenko & Elmes, 2010: 101; Radchenko, 2016: 158.

***karavajevi*.** *Symbiomyrma karavajevi* Arnol'di, 1930c: 269, figs. 1-4 (q.m.) UKRAINE.

[Also described as new by Arnol'di, 1933a: 41.]

[Misspelled as *karawajewi* by Samšičák, 1964: 156, Kutter, 1973c: 256, and others; misspelled as *karavaievi* by Borowiec, L. 2014: 131, and others.]

Combination in *Sifolinia*: Samšičák, 1964: 156;

combination in *Symbiomyrma*: Seifert, 1994: 15; Seifert, 1996b: 236; Seifert, 2018: 174;

combination in *Myrmica*: Bolton, 1988a: 4; Radchenko & Elmes, 2003a: 231; Radchenko & Elmes, 2010: 163.

Status as species: Arnol'di, 1933b: 600 (in key); Karavaiev, 1934: 102 (redescription); Samšičák, 1964: 156; Kutter, 1968b: 202; Kutter, 1973c: 256; Bolton & Collingwood, 1975: 9 (in key); Pisarski, 1975: 16; Arnol'di & Dlussky, 1978: 535 (in key); Collingwood, 1979: 58; Agosti & Collingwood, 1987a: 53; Agosti & Collingwood, 1987b: 266 (in key); Nilsson & Douwes, 1987: 66; Mei, 1987: 466 (in table); Bolton, 1988a: 4 (in table); Seifert, 1994: 15; Douwes, 1995: 88; Bolton, 1995b: 280; Seifert, 1996b: 236; Gallé, *et al.* 1998: 214; Czechowski, *et al.* 2002: 33; Radchenko & Elmes, 2003a: 231; Tinaut, Ruano & Martinez, 2005: 452; Petrov, 2006: 85 (in key); Seifert, 2007: 210; Werner & Wiezik, 2007: 139; Casevitz-Weulersse & Galkowski, 2009: 490; Boer, 2010: 59; Radchenko & Elmes, 2010: 163; Csösz, *et al.* 2011: 56; Legakis, 2011: 5; Borowiec, L. & Salata, 2012: 521; Czechowski, *et al.* 2012: 111; Czekes, *et al.* 2012: 41 (footnote); Borowiec, L. 2014: 131; Lebas, *et al.* 2016: 326; Radchenko, 2016: 159; Salata & Borowiec, 2018c: 47; Seifert, 2018: 175.

Senior synonym of *faniensis*: Seifert, 1994: 15; Gallé, *et al.* 1998: 214; Radchenko & Elmes, 2003a: 231; Radchenko & Elmes, 2010: 163; Csösz, *et al.* 2011: 56; Radchenko, 2016: 159.

Senior synonym of *pechi*: Samšičák, 1964: 156; Kutter, 1968b: 202; Arnol'di & Dlussky, 1978: 535 (in key); Bolton, 1988a: 4; Bolton, 1995b: 280; Czechowski, *et al.* 2002: 33; Radchenko & Elmes, 2003a: 231; Werner & Wiezik, 2007: 139; Radchenko & Elmes, 2010: 163; Czechowski, *et al.* 2012: 111; Radchenko, 2016: 159.

Senior synonym of *wintera*: Seifert, 1994: 15; Radchenko & Elmes, 2003a: 231; Radchenko & Elmes, 2010: 163; Radchenko, 2016: 159.

***kasczenkoi*.** *Myrmica scabrinodis* subsp. *kasczenkoi* Ruzsky, 1905b: 702 (w.m.) RUSSIA (Krasnoyarsky Krai, Chita Prov.).

[Misspelled as *kascenkoi* by Ogata, 1991b: 78.]

Kupyanskaya, 1990: 113 (q.); Radchenko, 1994g: 82 (w.q.m.).

Subspecies of *scabrinodis*: Emery, 1908a: 180; Emery, 1921f: 41; Ruzsky, 1936: 94; Weber, 1950b: 205.

Status as species: Ruzsky, 1946: 70; Pisarski, 1969a: 228; Pisarski, 1969b: 296; Dlussky & Pisarski, 1970: 85; Collingwood, 1976: 302; Onoyama, 1980: 212; Pisarski & Krzysztofiak, 1981: 156; Kupyanskaya, 1986b: 94; Radchenko, 1994b: 109 (in key); Radchenko, 1994c: 140 (in key); Radchenko, 1994g: 82; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 166; Yamane & Aibek, 2012: 176.

Material of the unavailable name *subaltaica* referred here by Radchenko, 1994g: 82.

***kashmiriensis*,** misspelling, see under *cachmiriensis*.

***khamensis*.** *Myrmica ruginodis* var. *khamensis* Ruzsky, 1915a: 441, figs. 22-24 (w.) CHINA (Tibet).

As unavailable (infrasubspecific) name: Emery, 1921f: 39; Chapman & Capco, 1951: 128.

Subspecies of *ruginodis*: Menozzi, 1939a: 293 (in key).

Subspecies of *rubra*: Weber, 1947: 449; Bolton, 1995b: 280; Guénard & Dunn, 2012: 48 (error).

Unidentifiable taxon, *incertae sedis* in *Myrmica*: Radchenko & Elmes, 2010: 660; Chen, Zhou & Huang, 2016: 93.

- kieviensis*. *Myrmica (Myrmica) lobicornis* var. *kieviensis* Karavaiev, 1934: 91, fig. 24 (w.)
UKRAINE.
Subspecies of *lobicornis*: Weber, 1948a: 286.
Junior synonym of *lobicornis*: Arnol'di, 1970b: 1842; Radchenko, 1994g: 87; Radchenko & Elmes, 2010: 186; Radchenko, 2016: 122.
- kirbii*. *Myrmica kirbii* Stephens, 1829: 356. *Nomen nudum*.
kirbii Sykes, 1835; see under **CREMATOGASTER**.
- kirghisorum***. *Myrmica lobicornis* subsp. *kirghisorum* Arnol'di, 1976a: 553 (w.m.)
KYRGYZSTAN.
[Misspelled as *kirghizorum* by Tarbinsky, 1976: 33; misspelled as *kirgisorum* by Radchenko, 1994a: 43.]
Tarbinsky, 1976: 34 (q.).
Subspecies of *lobicornis*: Tarbinsky, 1976: 33 (redescription).
Status as species: Radchenko, 1994a: 43; Radchenko, 1994c: 142 (in key); Radchenko, 1994g: 87; Bolton, 1995b: 280; Schultz, R. *et al.* 2006: 203; Radchenko & Elmes, 2010: 167.
Senior synonym of *foreliella*: Radchenko, 1994g: 87; Radchenko & Elmes, 2010: 167.
- kirgisica*. *Myrmica rugosa* var. *kirgisica* Ruzsky, 1903b: 314 (w.) RUSSIA.
Subspecies of *rugosa*: Ruzsky, 1905b: 659; Emery, 1908a: 168; Emery, 1921f: 40; Weber, 1947: 464.
Subspecies of *bergi*: Arnol'di, 1970b: 1839; Arnol'di & Dlussky, 1978: 532 (in key).
Junior synonym of *bergi*: Seifert, 1988b: 11; Radchenko, 1994e: 76; Bolton, 1995b: 280; Radchenko, Elmes & Woyciechowski, 2002: 413; Radchenko & Elmes, 2010: 101; Radchenko, 2016: 158.
- kollari* Mayr, 1853; see under **TETRAMORIUM**.
- koreana***. *Myrmica koreana* Elmes, Radchenko & Kim, 2001: 108, figs. 1a-d (w.) SOUTH KOREA.
Radchenko, Elmes & Alicata, 2006: 521 (q.m.).
Status as species: Seifert, 2003b: 153 (redescription); Radchenko, 2005b: 141; Radchenko, Elmes & Alicata, 2006: 521; Radchenko & Elmes, 2010: 169; Yamane & Aibek, 2012: 177; Chen, Zhou & Huang, 2016: 117 (in key).
- kothiensis***. *Myrmica kothiensis* Bharti & Sharma, 2013: 126, figs. 10-12 (w.) INDIA (Himachal Pradesh).
Status as species: Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 965.
- kotokui***. *Myrmica rubra* subsp. *kotokui* Forel, 1911e: 267 (w.q.m.) JAPAN.
[Misspelled as *kurokui* by Chapman & Capco, 1951: 128.]
As unavailable (infrasubspecific) name: Emery, 1921f: 39; Chapman & Capco, 1951: 128.
Subspecies of *ruginodis*: Wheeler, W.M. 1928d: 100; Onoyama, 1980: 197; Onoyama, 1989a: 133.
Subspecies of *rubra*: Weber, 1947: 449.
Status as species: Collingwood, 1976: 300; Ogata, 1991b: 78; Morisita, *et al.* 1992: 10; Bolton, 1995b: 280; Imai, *et al.* 2003: 182; Radchenko, 2005b: 142; Radchenko & Elmes, 2010: 170; Chen, Zhou & Huang, 2016: 114 (in key).
Senior synonym of *orientalis*: Radchenko, 2005b: 142; Radchenko & Elmes, 2010: 170.
- kozakorum***. *Myrmica kozakorum* Radchenko & Elmes, 2010: 172, figs. 140-142 (w.q.m.)
UKRAINE, RUSSIA (Kalmykia), KAZAKHSTAN.
Junior synonym of *specioides*: Seifert, 2011: 183.
Status as species: Czekes, *et al.* 2012: 43 (in key); Radchenko, 2016: 144.
- kozlovi***. *Myrmica kozlovi* Ruzsky, 1915a: 435, figs. 10, 11 (w.) CHINA (Tibet).

Status as species: Emery, 1921f: 37; Menozzi, 1939a: 294 (in key); Weber, 1947: 470; Chapman & Capco, 1951: 126; Collingwood, 1970: 374; Bolton, 1995b: 280; Radchenko & Elmes, 2001a: 259; Radchenko & Elmes, 2010: 175; Guénard & Dunn, 2012: 47; Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 966; Chen, Zhou & Huang, 2016: 120 (in key).

Senior synonym of *mekongi*: Radchenko & Elmes, 2010: 175; Bharti, Sasi & Radchenko, 2016: 966; Chen, Zhou & Huang, 2016: 90.

Senior synonym of *ruzskyi* Weber: Radchenko & Elmes, 2010: 175; Bharti, Sasi & Radchenko, 2016: 966.

Senior synonym of *specularis*: Radchenko & Elmes, 2001a: 259; Radchenko & Elmes, 2010: 175; Bharti, Sasi & Radchenko, 2016: 966.

Senior synonym of *subalpina*: Radchenko & Elmes, 2010: 175; Bharti, Sasi & Radchenko, 2016: 966; Chen, Zhou & Huang, 2016: 90.

Senior synonym of *subbrevispinosa*: Radchenko & Elmes, 2010: 175; Bharti, Sasi & Radchenko, 2016: 966; Chen, Zhou & Huang, 2016: 90.

***kryzhanovskii*.** *Myrmica kryzhanovskii* Arnol'di, 1976a: 551, fig. 6 (w.q.m.) TAJIKISTAN.

Status as species: Radchenko, 1994c: 137 (in key); Radchenko, 1994f: 74; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 178.

***kurokii*.** *Myrmica rubra* subsp. *kurokii* Forel, 1907e: 18 (w.) JAPAN.

Subspecies of *rubra*: Yano, 1910: 420.

Status as species: Emery, 1908a: 171; Emery, 1921f: 37; Teranishi, 1932: 50; Santschi, 1937h: 367; Weber, 1947: 469; Azuma, 1955: 79; Collingwood, 1976: 301; Onoyama, 1980: 196; Collingwood, 1981: 26; Kupyanskaya, 1990: 102; Ogata, 1991b: 77; Morisita, *et al.* 1992: 11; Radchenko, 1994c: 137 (in key); Radchenko, 1994f: 74; Bolton, 1995b: 280; Imai, *et al.* 2003: 182; Radchenko, 2005b: 143; Radchenko & Elmes, 2010: 179; Guénard & Dunn, 2012: 47; Chen, Zhou & Huang, 2016: 120 (in key).

Senior synonym of *chinensis*: Radchenko & Elmes, 2010: 179; Chen, Zhou & Huang, 2016: 90.

Senior synonym of *helleri*: Radchenko & Elmes, 2010: 179; Chen, Zhou & Huang, 2016: 90.

Senior synonym of *ruzskyi* Kisileva: Radchenko, 1994f: 74; Radchenko & Elmes, 2010: 179.

***kuschei*.** *Myrmica brevinodis* var. *kuschei* Wheeler, W.M. 1917e: 17 (w.q.) U.S.A. (Alaska) (date of publication (31).iii.1917).

Subspecies of *brevinodis*: Emery, 1921f: 37; Weber, 1950b: 197 (redescription); Creighton, 1950a: 97; Smith, M.R. 1951a: 789; Smith, M.R. 1958c: 113.

Status as species: Francoeur, 1977b: 206.

Subspecies of *incompleta*: Smith, D.R. 1979: 1349.

Synonym of *alaskensis*: Creighton, 1950a: 97; Smith, D.R. 1979: 1349.

[Note: Creighton, and Smith, give *kuschei* as senior synonym, but *alaskensis* has priority.]

Junior synonym of *alaskensis*: Francoeur, 1986b: 57; Bolton, 1995b: 280.

***kutteri*.** *Myrmica schencki* var. *kutteri* Finzi, 1926: 111 (w.m.) SWITZERLAND.

Subspecies of *schencki*: Novák & Sadil, 1941: 80 (in key); Weber, 1948a: 301.

Junior synonym of *schencki*: Bernard, 1967: 118; Radchenko, 1994f: 77; Bolton, 1995b: 280; Seifert, 2003b: 145; Radchenko, Elmes & Alicata, 2006: 513; Radchenko & Elmes, 2010: 266; Radchenko, 2016: 127.

***labicronis*,** misspelling, see under *lobicornis*.

lacteipennis Zetterstedt, 1838; see under **LEPTOTHORAX**.

***lacustris*.** *Myrmica scabrinodis* var. *lacustris* Ruzsky, 1905b: 686 (w.) RUSSIA, KAZAKHSTAN.

As unavailable (infrasubspecific) name: Emery, 1908a: 177; Emery, 1921f: 40.

Subspecies of *scabrinodis*: Ruzsky, 1925a: 288; Ruzsky, 1946: 70; Weber, 1950b: 206.
Status as species: Radchenko, 1994a: 44; Radchenko, 1994c: 140 (in key); Radchenko, 1994f: 77; Bolton, 1995b: 280; Seifert, 2002a: 99; Seifert, 2003b: 150 (redescription); Radchenko, Elmes & Alicata, 2006: 516; Schultz, R. *et al.* 2006: 203; Werner & Wiezik, 2007: 139; Zryanin & Zryanina, 2007: 231; Gratiashvili & Barjadze, 2008: 140.

Junior synonym of *stangeana*: Radchenko & Elmes, 2009c: 509; Radchenko & Elmes, 2010: 291; Radchenko, 2016: 141.

[Note: see discussion of *lacustris* in Radchenko & Elmes, 2009c: 504, redescription: 506.]

Material of the unavailable name *grandis* and of the *nomen nudum* *lulakeranica* referred here by Radchenko, 1994f: 77.

laevigata Smith, F. 1855; see under **PHEIDOLE**.

laevinodis. *Myrmica laevinodis* Nylander, 1846a: 927, pl. 18, figs. 5, 31 (w.q.m.) FINLAND.

[Misspelled as *levinodis* by Roger, 1863b: 28, Dalla Torre, 1893: 110, and others; misspelled as *laevinodes* by Betrem, 1926: 216, caption of fig. 5.]

Subspecies of *rubra*: Forel, 1874: 76; Emery & Forel, 1879: 460; André, 1883a: 316 (in key); Lameere, 1892: 68; Saunders, E. 1896: 39 (in key); Forel, 1903a: 697; Ruzsky, 1904a: 287; Forel, 1904b: 374; Wheeler, W.M. 1906b: 7; Wheeler, W.M. 1906c: 315; Wheeler, W.M. 1906d: 315; Emery, 1908a: 170; Yano, 1910: 420; Bondroit, 1910: 494; Wheeler, W.M. 1910g: 566; Stitz, 1914: 73; Emery, 1914d: 156; Forel, 1915d: 28; Emery, 1916b: 119; Karavaiev, 1916: 503; Escherich, 1917: 325 (in key); Menozzi, 1918: 82; Nadig, 1918: 338; Emery, 1921f: 39; Menozzi, 1922b: 325; Soudek, 1922: 41; Kulmatycki, 1922: 77; Soudek, 1923: 110; Santschi, 1925g: 339; Stärcke, 1926: 90 (in key); Karavaiev, 1927c: 259 (in key); Kuznetsov-Ugamsky, 1927e: 193; Gösswald, 1932: 75; Arnol'di, 1933b: 599 (in key); Creighton, 1950a: 104; Chapman & Capco, 1951: 128; Ceballos, 1956: 296.

Status as species: Nylander, 1846b: 1052; Foerster, 1850a: 64; Smith, F. 1851: 118; Schenck, 1852: 75; Curtis, 1854: 213; Mayr, 1855: 402 (redescription); Smith, F. 1855b: 118; Nylander, 1856b: 78; Gredler, 1858: 21; Smith, F. 1858b: 116; Mayr, 1861: 63 (in key); Meinert, 1861: 323; Roger, 1863b: 28; Mayr, 1863: 433; Smith, F. 1871b: 3; Dours, 1873: 167; André, 1874: 193 (in key); Mayr, 1877: 14; Emery, 1878a: x (in list); Emery, 1878b: 52; Mayr, 1880: 34; Saunders, E. 1880: 215; André, 1883a: 316; White, W.F. 1884: 261; Mayr, 1886d: 450; Provancher, 1887: 247; Cresson, 1887: 260; Nasonov, 1889: 34; Forel, 1892i: 315; Dalla Torre, 1893: 110, 113 (footnote); Ruzsky, 1896: 73; Ruzsky, 1902d: 29; Ruzsky, 1905b: 662; Wasmann, 1906: 118 (in key); Forel, 1906b: 87; Bondroit, 1912: 351; Donisthorpe, 1915d: 110; Bondroit, 1918: 104; Ruzsky, 1920: 76; Müller, 1923b: 40; Ruzsky, 1925a: 288; Kiseleva, 1925: 75; Betrem, 1926: 216; Finzi, 1926: 83; Donisthorpe, 1927b: 118; Lomnicki, 1928: 5; Karavaiev, 1930b: 144; Santschi, 1931b: 339; Karavaiev, 1931e: 210; Santschi, 1932c: 69; Stitz, 1934: 1; Karavaiev, 1934: 68 (redescription); Grandi, 1935: 98; Ruzsky, 1936: 94; Stitz, 1939: 78; Menozzi, 1939a: 293 (in key); Holgersen, 1940: 184; Novák & Sadil, 1941: 76 (in key); Holgersen, 1942: 8; Holgersen, 1943b: 168 (in key); Holgersen, 1944: 173; Ruzsky, 1946: 70; van Boven, 1947: 175 (in key); Forsslund, 1947: 68; Weber, 1947: 452; Brian, M.V. & Brian, A.D. 1949: 393; Rösler, 1950: 222; Smith, M.R. 1951a: 789; Sadil, 1952: 239; Consani & Zangheri, 1952: 39; Smith, M.R. 1958c: 113; Bernard, 1967: 119 (redescription); Kutter, 1968a: 59; Baroni Urbani, 1971c: 22; Banert & Pisarski, 1972: 349; Pisarski, 1975: 9; Kutter, 1977c: 65.

Junior synonym of *rubra*: Yarrow, 1955b: 114; Collingwood, 1958b: 67; Smith, M.R. 1967: 349; Arnol'di, 1970b: 1839; Collingwood, 1971: 156; Bolton & Collingwood, 1975: 17; Tarbinsky, 1976: 40; van Boven, 1977: 117; Arnol'di & Dlussky, 1978: 530 (in key); Collingwood, 1979: 52; Smith, D.R. 1979: 1350; Onoyama, 1980: 197; Seifert, 1988b: 5; Onoyama, 1989a: 131; Casevitz-Weulersse, 1990c: 435; Arakelian, 1994: 25; Radchenko, 1994f: 72; Bolton, 1995b: 280; Poldi, *et al.* 1995: 2; Radchenko, *et al.* 1997: 483; Gallé, *et*

al. 1998: 214; Czechowski, *et al.* 2002: 17; Imai, *et al.* 2003: 182; Radchenko, 2007: 30; Werner & Wiezik, 2007: 139; Gratiashvili & Barjadze, 2008: 140; Casevitz-Weulersse & Galkowski, 2009: 490; Radchenko & Elmes, 2010: 228; Csösz, *et al.* 2011: 56; Czechowski, *et al.* 2012: 73; Kiran & Karaman, 2012: 22; Radchenko, 2016: 117.

laevinodoruginodis. *Myrmica ruginodis* f. *laevinodoruginodis* Ruzsky, 1896: 75, RUSSIA. *Nomen nudum* (attributed to Forel).

laeivissima Smith, F. 1860; see under **SOLENOPSIS**.

laeviuscula Foerster, 1850; see under **FORMICOXENUS**.

lampra. *Myrmica lampra* Francoeur, 1968: 729, figs. 1-5 (q.m.) CANADA (Québec).

Status as species: Kutter, 1973c: 256; Francoeur, 1977b: 206; Smith, D.R. 1979: 1349; Francoeur, 1981: 756 (redescription); Mei, 1987: 466 (in table); Bolton, 1988a: 4 (in table); Bolton, 1995b: 280; Ellison, *et al.* 2012: 286.

latifrons. *Myrmica schencki* subsp. *latifrons* Stärcke, 1927: 84 (w.) U.S.A. (New York).

Synonym of *emeryana*: Weber, 1948a: 298; Smith, M.R. 1951a: 790; Smith, M.R. 1954d: 138; Smith, D.R. 1979: 1348; Wheeler, G.C. & Wheeler, J. 1986g: 12.

[Note: all these authors give *emeryana* as senior synonym, but *latifrons* has priority (Bolton, 1995b: 278).]

Status as species: Bolton, 1995b: 280; Mackay & Mackay, 2002: 162; Covert, 2005: 36; Ellison, *et al.* 2012: 287.

Senior synonym of emeryana: Bolton, 1995b: 280; Covert, 2005: 36.

latra. *Myrmica latra* Bharti, Radchenko & Sasi, 2016: 117, figs. 2-7 (q.m.) INDIA (Himachal Pradesh).

Status as species: Bharti, Sasi & Radchenko, 2016: 966.

laurae. *Sifolinia laurae* Emery, 1907: 49, figs. (q.) ITALY.

Combination in *Myrmica*: Bolton, 1988a: 4.

Status as species: Emery, 1908f: 550; Emery, 1916b: 150; Bondroit, 1918: 167; Emery, 1922e: 117; Bernard, 1967: 156 (redescription); Kutter, 1968b: 202; Baroni Urbani, 1971c: 75; Kutter, 1973c: 256; Wilson, 1984: 331; Mei, 1987: 466 (in table); Bolton, 1988a: 4 (in table); Bolton, 1995b: 280; Poldi, *et al.* 1995: 2; Radchenko & Elmes, 2003a: 224; Radchenko & Elmes, 2010: 181; Borowiec, L. 2014: 131; Lebas, *et al.* 2016: 326.

Senior synonym of samnitica: Radchenko & Elmes, 2003a: 224; Radchenko & Elmes, 2010: 181.

lemasnei. *Myrmica lemasnei* Bernard, 1967: 123, fig. 127 (q.) FRANCE.

Combination in *Sifolinia*: Kutter, 1973c: 253;

combination in *Symbiomyrma*: Seifert, 1994: 16;

combination in *Myrmica*: Bolton, 1988a: 4; Radchenko & Elmes, 2003a: 232.

Status as species: Kutter, 1968b: 202; Kutter, 1973c: 253; Mei, 1987: 466 (in table); Bolton, 1988a: 4 (in table); Bolton, 1995b: 280; Espadaler, 1997b: 30; Radchenko & Elmes, 2003a: 232; Tinaut, Ruano & Martinez, 2005: 452; Casevitz-Weulersse & Galkowski, 2009: 490; Radchenko & Elmes, 2010: 183; Borowiec, L. 2014: 131; Lebas, *et al.* 2016: 326.

leonina Losana, 1834; see under **MANICA**.

levinodis, misspelling, see under *laevinodis*.

limanica. *Myrmica (Myrmica) rugulosa* subsp. *limanica* Karavaiev, 1934: 75, fig. 20 (w.m.) UKRAINE (attributed to Arnol'di; date of publication 27.ix.1934).

[Also described as new by Arnol'di, 1934: 162; date of publication 10.x.1934.]

Subspecies of *rugulosa*: Karavaiev, 1936: 274; Weber, 1948a: 307.

Status as species: Arnol'di, 1970b: 1834 (in key), 1840; Arnol'di & Dlussky, 1978: 532 (in key).

Junior synonym of *gallienii*: Collingwood, 1979: 48; Seifert, 1988b: 9; Radchenko, 1994e: 76; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 138; Radchenko, 2016: 156.

lineolata Say, 1836; see under **CREMATOGASTER**.

lineolata. *Myrmica (Monomorium) lineolata* Buckley, 1867: 340 (w.q.) U.S.A. (no state data).

[Unresolved junior primary homonym of *Myrmica lineolata* Say, 1836: 290 (Bolton, 1995b: 280).]

Combination in *Monomorium*: Cresson, 1887: 262.

Status as species: Cresson, 1887: 262; Dalla Torre, 1893: 111.

Unidentifiable to genus: Wheeler, W.M. 1902f: 27;

unidentifiable taxon; *incertae sedis* in Myrmicinae: Smith, M.R. 1951a: 833; Smith, D.R. 1979: 1414;

unidentifiable taxon; *incertae sedis* in *Myrmica*: Bolton, 1995b: 280.

lippula Nylander, 1849; see under **STENAMMA**.

lissahorensis. *Myrmica lobicornis* subsp. *lissahorensis* Stitz, 1939: 100.

[First available use of *Myrmica lobicornis* subsp. *lobicornis* var. *lissahorensis* Stärcke, 1927: 79 (w.) CZECH REPUBLIC; unavailable (infrasubspecific) name.]

Subspecies of *lobicornis*: Weber, 1948a: 287; Sadil, 1952: 263.

Junior synonym of *lobicornis*: Bernard, 1967: 122; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 280; Gallé, *et al.* 1998: 214; Radchenko & Elmes, 2010: 185; Radchenko, 2016: 122.

littoralis. *Myrmica lobicornis* subsp. *littoralis* Weber, 1948a: 287.

[First available use of *Myrmica scabrinodis* subsp. *lobicornis* var. *littoralis* Kuznetsov-Ugamsky, 1928b: 33 (w.q.m.) RUSSIA (Primorsky Prov.); unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Kuznetsov-Ugamsky, 1929a: 32.

Junior synonym of *jessensis*: Kupyanskaya, 1986a: 85; Radchenko, 1994g: 88; Bolton, 1995b: 280; Imai, *et al.* 2003: 183.

Junior synonym of *eidmanni*: Radchenko, 2005b: 139; Radchenko & Elmes, 2010: 127.

liui. *Myrmica liui* Chen, Zhou & Huang, 2016: 99, figs. 14-16 (w.) CHINA (Inner Mongolia).

lobata. *Myrmica lobicornis* var. *lobata* Kutter, 1977c: 66. *Nomen nudum* (attributed to Finzi).

lobicornis. *Myrmica lobicornis* Nylander, 1846a: 932, pl. 18, figs. 32, 33 (w.q.) FINLAND.

[Misspelled as *labicronis* by Ceballos, 1956: 296.]

Nylander, 1849: 31 (m.); Hauschteck, 1965: 325 (k.).

Junior synonym of *rubra*: Forel, 1899c: 63 (error?).

Subspecies of *rubra*: Forel, 1874: 76; Emery & Forel, 1879: 460; Lameere, 1892: 68; Saunders, E. 1896: 40 (in key); Forel, 1904b: 374; Wheeler, W.M. 1906c: 316; Yano, 1910: 420.

Subspecies of *scabrinodis*: Mayr, 1886d: 451; Cresson, 1887: 261; Ruzsky, 1905b: 693; Emery, 1908a: 179; Stitz, 1914: 72; Ruzsky, 1916: 5; Escherich, 1917: 326 (in key); Wheeler, W.M. 1917a: 504; Wheeler, W.M. 1917e: 17; Soudek, 1922: 44; Soudek, 1923: 115; Kuznetsov-Ugamsky, 1927e: 196; Kuznetsov-Ugamsky, 1928b: 33; Kuznetsov-Ugamsky, 1929b: 45.

Status as species: Nylander, 1846b: 1052; Nylander, 1849: 31; Foerster, 1850a: 69; Schenck, 1852: 82; Mayr, 1855: 412 (redescription); Nylander, 1856b: 82; Gredler, 1858: 23; Smith, F. 1858b: 116; Mayr, 1861: 63 (in key); Meinert, 1861: 326; Roger, 1863b: 28; Mayr, 1863: 433; Smith, F. 1871b: 3; Dours, 1873: 168; André, 1874: 194 (in key); Mayr, 1877: 15; Emery, 1878b: 53; Mayr, 1880: 34; Saunders, E. 1880: 216; André, 1883a: 318 (in key); White, W.F. 1884: 261; Nasonov, 1889: 35; Forel, 1892i: 315; Dalla Torre, 1893: 111, 113 (footnote); Ruzsky, 1896: 73; Forel, 1901h: 61; Ruzsky, 1902a: 234; Ruzsky, 1902d: 29; Ruzsky, 1903b: 315; Ruzsky, 1903c: 207; Wasmann, 1906: 119 (in key); Bondroit, 1910: 495; Donisthorpe, 1915d: 134; Forel, 1915d: 28 (in key); Emery, 1916b: 120; Menozzi, 1918: 82; Nadig, 1918: 339; Bondroit, 1918: 105; Emery, 1921f: 37;

Kulmatycki, 1922: 77; Ruzsky, 1925a: 288; Finzi, 1926: 106; Karavaiev, 1926b: 95; Betrem, 1926: 216; Stärcke, 1926: 93 (in key); Stärcke, 1927: 76; Donisthorpe, 1927b: 145; Karavaiev, 1927a: 283; Karavaiev, 1927c: 259 (in key); Menozzi, 1927b: 90; Finzi, 1928b: 129; Santschi, 1931b: 347; Karavaiev, 1931e: 211; Arnol'di, 1933b: 599 (in key); Karavaiev, 1934: 87 (redescription); Arnol'di, 1934: 166 (redescription); Grandi, 1935: 98; Ruzsky, 1936: 94; Eidmann, 1941: 14; Novák & Sadil, 1941: 80 (in key); Holgersen, 1942: 9; Holgersen, 1943b: 170 (in key); Holgersen, 1944: 175; Ruzsky, 1946: 70; Weber, 1948a: 272; Creighton, 1950a: 100; Donisthorpe, 1950e: 1058; Chapman & Capco, 1951: 127; Sadil, 1952: 262; Ceballos, 1956: 296; Collingwood, 1958b: 73; Bernard, 1967: 122 (redescription); Kutter, 1968a: 59; Collingwood & Yarrow, 1969: 58; Arnol'di, 1970b: 1838 (in key); Baroni Urbani, 1971c: 24; Collingwood, 1971: 158; Banert & Pisarski, 1972: 351; Bolton & Collingwood, 1975: 5 (in key); Pisarski, 1975: 14; Arnol'di, 1976a: 557 (in key); Tarbinsky, 1976: 33; van Aktaç, 1977: 119; Boven, 1977: 119; Kutter, 1977c: 66; Arnol'di & Dlussky, 1978: 534 (in key); Collingwood, 1978: 79 (in key); Collingwood, 1979: 51; Allred, 1982: 491; Agosti & Collingwood, 1987a: 53; Agosti & Collingwood, 1987b: 268 (in key); Nilsson & Douwes, 1987: 65; Seifert, 1988b: 38 (redescription); Atanassov & Dlussky, 1992: 101; Arakelian, 1994: 24; Radchenko, 1994b: 107 (in key); Radchenko, 1994c: 141 (in key); Radchenko, 1994g: 87; Bolton, 1995b: 280; Douwes, 1995: 87; Poldi, *et al.* 1995: 2; Wu, J. & Wang, 1995: 93; Espadaler, 1997b: 30; Radchenko, *et al.* 1997: 485; Gallé, *et al.* 1998: 214; Wei, Zhou, *et al.* 2001: 562 (in key); Czechowski, *et al.* 2002: 22; Markó & Csösz, 2002: 113; Zhang, W. & Zheng, 2002: 219; Bolton, 2005: 13 (in key); Seifert, 2005: 6; Karaman, G.S. & Karaman, 2005: 53; Bračko, 2006: 138; Markó, Sipos, *et al.* 2006: 70; Petrov, 2006: 88 (in key); Bračko, 2007: 18; Seifert, 2007: 208; Radchenko, 2007: 29; Werner & Wieszik, 2007: 139; Zryanin & Zryanina, 2007: 231; Gratiashvili & Barjadze, 2008: 140; Casevitz-Weulersse & Galkowski, 2009: 490; Lapeva-Gjonova, *et al.* 2010: 8; Boer, 2010: 55; Radchenko & Elmes, 2010: 185; Csösz, *et al.* 2011: 56; Karaman, M.G. 2011b: 44; Legakis, 2011: 5; Borowiec, L. & Salata, 2012: 521; Czechowski, *et al.* 2012: 80; Czekes, *et al.* 2012: 41 (in key); Guénard & Dunn, 2012: 47; Kiran & Karaman, 2012: 22; Yamane & Aibek, 2012: 178; Borowiec, L. 2014: 131; Lebas, *et al.* 2016: 310; Radchenko, 2016: 121; Salata & Borowiec, 2018c: 47; Seifert, 2018: 171.

Senior synonym of *alpestris*: Seifert, 1988b: 38; Arakelian, 1994: 25; Radchenko, 1994g: 87; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 186; Radchenko, 2016: 122.

Senior synonym of *angustifrons*: Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 185; Radchenko, 2016: 121.

Senior synonym of *arduennae*: Donisthorpe, 1915d: 134; Bernard, 1967: 122; van Boven, 1977: 119; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 185; Radchenko, 2016: 121.

Senior synonym of *brunescens*: Radchenko, 1994g: 87; Radchenko & Elmes, 2010: 186; Radchenko, 2016: 122.

Senior synonym of *burtshakabramovitshi*: Arnol'di, 1970b: 1842; Radchenko, 1994g: 87; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 185; Radchenko, 2016: 122.

Senior synonym of *denticornis*: Smith, F. 1858b: 116; Roger, 1859: 252; Mayr, 1861: 63 (in key); Mayr, 1863: 433; Roger, 1863b: 28; André, 1874: 203 (in list); Forel, 1874: 101 (in list); Emery & Forel, 1879: 460; Dalla Torre, 1893: 111; Forel, 1899c: 63; Ruzsky, 1905b: 693; Donisthorpe, 1915d: 134; Donisthorpe, 1927b: 145; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 185; Radchenko, 2016: 121.

Senior synonym of *foreli*: Bernard, 1967: 122; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 186; Radchenko, 2016: 122.

Senior synonym of *kieviensis*: Arnol'di, 1970b: 1842; Radchenko, 1994g: 87; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 186; Radchenko, 2016: 122.

Senior synonym of *lissahorensis*: Bernard, 1967: 122; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 280; Gallé, *et al.* 1998: 214; Radchenko & Elmes, 2010: 186; Radchenko, 2016: 122.

Senior synonym of *starki*: Arnol'di, 1970b: 1842; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 280; Radchenko & Elmes, 2010: 185; Radchenko, 2016: 122.

Material of the *nomen nudum* *nodicornis* referred here by Donisthorpe, 1915d: 134; Bolton, 1995b: 280.

***lobicornosulcinodis*.** *Myrmica rubra* var. *lobicornosulcinodis* Forel, 1874: 77 (w.) SWITZERLAND. *Nomen nudum*.

[Repeated in Santschi, 1931b: 340 (in text). *Nomen nudum*.]

***lobifrons*.** *Myrmica sabuleti* var. *lobifrons* Pergande, 1900: 521 (w.) U.S.A. (Alaska).

As unavailable (infrasubspecific) name: Wheeler, W.M. 1910g: 566; Wheeler, W.M. 1917e: 18; Emery, 1921f: 40.

Subspecies of *scabrinodis*: Emery, 1921f: 40.

Subspecies of *lobicornis*: Creighton, 1950a: 100; Gregg, 1961: 212; Smith, D.R. 1979: 1350; Mackay, Lowrie, *et al.* 1988: 93 (in key).

Junior synonym of *fracticornis*: Smith, M.R. 1951a: 790; Cole, 1953e: 242 (in text).

Status as species: Yensen, *et al.* 1977: 182; Wheeler, G.C. & Wheeler, J. 1978: 389; Wheeler, G.C. & Wheeler, J. 1986g: 24; Wheeler, G.C., *et al.* 1994: 303; Bolton, 1995b: 280; Mackay & Mackay, 2002: 163; Coover, 2005: 37; Ellison, *et al.* 2012: 288.

***lobulicornis*.** *Myrmica lobicornis* var. *lobulicornis* Nylander, 1857: lxxix (w.) FRANCE.

Radchenko & Elmes, 2010: 193 (q.m.).

As unavailable (infrasubspecific) name: Emery, 1908a: 179.

Subspecies of *lobicornis*: André, 1883a: 318 (in key); Dalla Torre, 1893: 112; Emery, 1921f: 38; Bondroit, 1918: 105; Finzi, 1926: 107; Santschi, 1931b: 340 (in text); Weber, 1948a: 287.

Junior synonym of *lobicornis*: Bernard, 1967: 122; Seifert, 1988b: 38; Radchenko, 1994g: 87; Bolton, 1995b: 280.

Status as species: Bondroit, 1920a: 151; Seifert, 2005: 6; Bračko, 2007: 18; Seifert, 2007: 210; Radchenko, 2007: 29; Casevitz-Weulersse & Galkowski, 2009: 490; Radchenko & Elmes, 2010: 191; Borowiec, L. 2014: 131; Lebas, *et al.* 2016: 310; Seifert, 2018: 172.

Senior synonym of *alpina*: Seifert, 2005: 6; Radchenko & Elmes, 2010: 191.

Senior synonym of *appenina*: Seifert, 2005: 6; Radchenko & Elmes, 2010: 192.

Senior synonym of *pyrenaea*: Seifert, 2005: 6; Casevitz-Weulersse & Galkowski, 2009: 490; Radchenko & Elmes, 2010: 191.

***lonae*.** *Myrmica scabrinodis* subsp. *lonae* Finzi, 1926: 103, fig. 11 (w.q.m.) FINLAND, ITALY.

Subspecies of *scabrinodis*: Karavaiev, 1929b: 207.

Subspecies of *sabuleti*: Santschi, 1931b: 346; Grandi, 1935: 99; Stitz, 1939: 96; Novák & Sadil, 1941: 80 (in key); Weber, 1948a: 294; Sadil, 1952: 249; Poldi, *et al.* 1995: 2.

Junior synonym of *scabrinodolobicornis*: Sadil, 1952: 249.

Junior synonym of *sabuleti*: Bernard, 1967: 117; Arnol'di, 1970b: 1841; Baroni Urbani, 1971c: 31; Collingwood, 1971: 158; Seifert, 1988b: 31; Radchenko, 1994e: 80; Bolton, 1995b: 281; Gallé, *et al.* 1998: 214; Karaman, M.G. 2011b: 45 (error); Ebsen, *et al.* 2019: 5.

[Note: Ebsen, *et al.* 2019: 5, 10, imply re-synonymy of *lonae* and *sabuleti*, but they make no definite taxonomic statement.]

Status as species: Seifert, 1994: 12; Seifert, 1996b: 146 (in key); Radchenko, *et al.* 1997: 490; Seifert, 2000c: 198; Czechowski, *et al.* 2002: 30; Markó & Csösz, 2002: 113; Seifert, 2005: 5 (in table); Bračko, 2006: 138; Markó, Sipos, *et al.* 2006: 70; Bračko, 2007: 18;

Seifert, 2007: 199; Werner & Wiezik, 2007: 146; Zryanin & Zryanina, 2007: 231; Casevitz-Weulersse & Galkowski, 2009: 490; Lapeva-Gjonova, *et al.* 2010: 8; Boer, 2010: 56; Radchenko & Elmes, 2010: 194; Csösz, *et al.* 2011: 56; Borowiec, L. & Salata, 2012: 521; Czechowski, *et al.* 2012: 91; Czekes, *et al.* 2012: 43 (in key); Kiran & Karaman, 2012: 22; Borowiec, L. 2014: 132; Bračko, *et al.* 2014: 14; Lebas, *et al.* 2016: 318; Radchenko, 2016: 150; Salata & Borowiec, 2018c: 47; Seifert, 2018: 160.

longiceps Smith, F. 1858; see under **APHAENOGASTER**.

longipes Smith, F. 1857; see under **PHEIDOLE**.

longiscapus. *Myrmica longiscapus* Curtis, 1854: 213, pl. 23, figs. 11-14 (w.q.m.) GREAT BRITAIN.

Status as species: Smith, F. 1855b: 122.

Junior synonym of *laevinodis*: Mayr, 1863: 433; Forel, 1874: 101 (in list); Emery & Forel, 1879: 460; Dalla Torre, 1893: 110; Ruzsky, 1905b: 662; Donisthorpe, 1915d: 110; Emery, 1921f: 39; Donisthorpe, 1927b: 118; Karavaiev, 1934: 69.

Junior synonym of *rubra*: Bolton, 1995b: 282; Imai, *et al.* 2003: 182; Radchenko & Elmes, 2010: 228; Radchenko, 2016: 117.

longisculpta. *Myrmica longisculpta* Bharti & Sharma, 2011c: 725, figs. 1-3 (w.) INDIA (Jammu & Kashmir).

Status as species: Bharti, Guénard, *et al.* 2016: 40; Bharti, Sasi & Radchenko, 2016: 966.

***longispinosa**. *Myrmica longispinosa* Mayr, 1868b: 87, pl. 4, fig. 86 (w.) BALTIC AMBER (Eocene).

[Misspelled as *longispina* by Keilbach, 1982: 275.]

Status as species: Scudder, 1891: 719; Dalla Torre, 1893: 112; André, 1895b: 82 (in list); Handlirsch, 1907: 874; Wheeler, W.M. 1915h: 59; Burnham, 1979: 110; Keilbach, 1982: 275; Bolton, 1995b: 281; Radchenko, Dlussky & Elmes, 2007: 1495; Dlussky & Rasnitsyn, 2009: 1032; Radchenko & Elmes, 2010: 654; Perkovsky, 2016: 116.

lucidula. *Myrmica lucidula* Smith, F. 1857b: 39 (w.) GREAT BRITAIN. *Nomen nudum*.

Material referred to *Formicoxenus nitidulus* by Donisthorpe, 1915d: 83; Emery, 1924d: 265; Donisthorpe, 1927b: 89; Karavaiev, 1934: 147.

luctuosa. *Myrmica luctuosa* Smith, F. 1878b: 12 (m.) INDIA (Punjab).

Status as species: Dalla Torre, 1893: 112; Chapman & Capco, 1951: 127; Bolton, 1995b: 281.

Unidentifiable taxon: Forel, 1903a: 698;

unidentifiable taxon, *incertae sedis* in *Myrmica*: Radchenko & Elmes, 2001a: 238; Radchenko & Elmes, 2010: 661.

lulakeranica. *Myrmica deplanata* subsp. *lulakeranica* Arnol'di, 1948: 211 (in list). *Nomen nudum*.

Material referred to *deplanata* by Radchenko & Elmes, 2010: 663.

lundii Guérin-Méneville, 1838; see under **ACROMYRMEX**.

luteola. *Myrmica luteola* Kupyanskaya, 1990: 103, Figs. 16, 17 (w.q.) RUSSIA (Primorsky Region, Kunashir I.).

Radchenko, 1994f: 75 (m.).

Status as species: Radchenko, 1994c: 136 (in key); Radchenko, 1994f: 75; Bolton, 1995b: 281; Masuko & Terayama, 2002: 228 (redescription); Imai, *et al.* 2003: 182; Radchenko & Elmes, 2003a: 239; Radchenko, 2005b: 143; Radchenko & Elmes, 2010: 197; Chen, Zhou & Huang, 2016: 94.

Senior synonym of zhengi: Chen, Zhou & Huang, 2016: 94.

lutescens. *Myrmica smythiesi* var. *lutescens* Menozzi, 1939a: 292.

[First available use of *Myrmica smythiesii* r. *cachmiriensis* var. *lutescens* Forel, 1904c: 23 (w.q.) INDIA (Jammu & Kashmir); unavailable (infrasubspecific) name.]

As unavailable (infrasubspecific) name: Forel, 1906b: 87; Emery, 1921f: 41; Weber, 1947: 458; Chapman & Capco, 1951: 130.

Subspecies of *smythiesii*: Bolton, 1995b: 281.

Junior synonym of *cachmiriensis*: Radchenko & Elmes, 2001a: 251; Radchenko & Elmes, 2010: 107; Bharti, Sasi & Radchenko, 2016: 964.

lyncea Spinola, 1851; see under **PSEUDOMYRMEX**.