

CARDIOCONDYLA

atalanta. *Cardiocondyla nuda* var. *atalanta* Forel, 1915b: 75 (w.) AUSTRALIA (Western Australia).

Subspecies of nuda: Emery, 1922e: 126; Taylor & Brown, 1985: 55; Taylor, 1987a: 16. Junior synonym of *nuda*: Taylor, 1991b: 601 (in text); Bolton, 1995b: 132; Zhou, 2001b: 87; Lyu & Cho, 2003b: 267 (error).

Status as species: Seifert, 2003a: 247 (redescription); Seifert, 2008: 44; Seifert, Okita & Heinze, 2017: 350.

badonei. *Cardiocondyla badonei* Arnold, 1926: 225, fig. 64 (w.) MOZAMBIQUE.

Subspecies of *shuckardi*: Santschi, 1932a: 387.

Junior synonym of *shuckardi*: Bolton, 1982: 316; Bolton, 1995b: 132.

Junior synonym of *venustula*: Seifert, 2003a: 257.

batesii. *Cardiocondyla batesii* Forel, 1894d: 17 (w.q.) ALGERIA.

Status as species: Forel, 1895d: 228; Emery, 1909a: 22; Karavaiev, 1912a: 4; Emery, 1922e: 125; Menozzi, 1922b: 327; Menozzi, 1932c: 94; Bernard, 1948: 141; Bernard, 1956c: 302 (in key); Ceballos, 1956: 308; Cagniant, 1968a: 143; Collingwood & Yarrow, 1969: 75; Cagniant, 1970a: 417; Collingwood, 1978: 86 (in key); Kugler, J. 1984: 12; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 276 (in key); Bolton, 1995b: 132; Radchenko, 1995b: 451; Espadaler, 1997b: 29; Collingwood & Prince, 1998: 16 (in key); Seifert, 2003a: 237 (redescription); Cagniant, 2006a: 198; Gómez & Espadaler, 2006: 226; Petrov, 2006: 99 (in key); Legakis, 2011: 15; Borowiec, L. 2014: 45; Lebas, et al. 2016: 266.

bicolor. *Cardiocondyla bicolor* Donisthorpe, 1930b: 366 (w.) ISRAEL.

Status as species: Menozzi, 1933b: 93.

Junior synonym of *wroughtonii*: Kugler, J. 1984: 6; Bolton, 1995b: 132; Zhou, 2001b: 86.

Junior synonym of *obscurior*: Seifert, 2003a: 271.

bicoronata. *Cardiocondyla bicoronata* Seifert, 2003a: 242, figs. 21, 22 (w.q.) JORDAN, ISRAEL, TURKESTAN, UNITED ARAB EMIRATES, YEMEN.

Status as species: Collingwood, et al. 2011: 421; Borowiec, L. 2014: 45.

bimaculata. *Cardiocondyla wroughtoni* var. *bimaculata* Wheeler, W.M. 1929g: 43 (w.q.) TAIWAN.

Subspecies of *wroughtonii*: Wheeler, W.M. 1932a: 7; Smith, M.R. 1944a: 40 (redescription); Creighton, 1950a: 199; Smith, M.R. 1951a: 807; Chapman & Capco, 1951: 84; Smith, M.R. 1958c: 125.

Junior synonym of *wroughtonii*: Smith, D.R. 1979: 1376; Bolton, 1995b: 132; Mohamed, Zalat, et al. 2001: 50; Zhou, 2001b: 86; Seifert, 2003a: 269; Terayama, 2009: 179.

bogdanovi. *Cardiocondyla bogdanovi* Ruzsky, 1905b: 630, figs. 155, 157, 158 (w.q.) TURKEY.

Status as species: Emery, 1909a: 25; Emery, 1922e: 125; Bernard, 1956c: 302 (in key); Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 276 (in key); Arakelian, 1994: 42; Bolton, 1995b: 132; Radchenko, 1995b: 450; Petrov, 2006: 99 (in key) (error).

Junior synonym of *stambuloffii*: Seifert, 2003a: 262; Gratiashvili & Barjadze, 2008: 138; Radchenko, 2016: 237.

brachyceps. *Cardiocondyla brachyceps* Seifert, 2003a: 228, fig. 23 (w.) IRAN, AFGHANISTAN, TURKEY.

Status as species: Kiran & Karaman, 2012: 17; Borowiec, L. 2014: 45.

***breviscapa*.** *Cardiocondyla breviscapus* Seifert, 2003a: 288, fig. 64 (w.) INDIA (Tamil Nadu).

Status as species: Bharti, Guénard, *et al.* 2016: 33; Sharaf, Fisher, *et al.* 2018: 18.

***brevispinosa*.** *Pheidole (Pheidolacanthinus) brevispinosa* Donisthorpe, 1948d: 593 (w.) NEW GUINEA (Indonesia).

Combination in *Cardiocondyla*: Smith, M.R. 1955d: 305.

Status as species: Donisthorpe, 1949b: 494; Donisthorpe, 1950a: 338; Chapman & Capco, 1951: 137.

Junior synonym of *paradoxa*: Smith, M.R. 1955d: 305; Bolton, 1995b: 132.

***brevispinosa*.** *Cardiocondyla brevispinosa* Weber, 1952a: 6 (w.) DEMOCRATIC REPUBLIC OF CONGO.

[Unresolved junior secondary homonym of *Pheidole brevispinosa* Donisthorpe, 1948d: 593 (Bolton, 1995b: 132).]

Junior synonym of *shuckardi*: Bolton, 1982: 316; Bolton, 1995b: 132.

***britteni*.** *Cardiocondyla britteni* Crawley, 1920c: 180, fig. (w.) GREAT BRITAIN.

[Note: Crawley, 1920c: 180, says the single worker was most probably imported with butter beans, "in which case its place of origin would be tropical America".]

Junior synonym of *nuda*: Radchenko, 1995b: 452.

Status as species: Donisthorpe, 1927b: 391; Bolton, 1995b: 132; Seifert, 2003a: 291 (redescription); Borowiec, L. 2014: 46.

***bulgarica*.** *Cardiocondyla elegans* var. *bulgarica* Forel, 1892i: 312, pl. 5, fig. 4 (w.q.) BULGARIA.

[*Cardiocondyla elegans* var. *bulgarica* Forel, 1892h: 461 (in text). *Nomen nudum*.]

As unavailable (infrasubspecific) name: Emery, 1909a: 22.

Subspecies of *elegans*: Dalla Torre, 1893: 70; Emery, 1922e: 125.

Junior synonym of *elegans*: Radchenko, 1995b: 449.

Status as species: Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 276 (in key); Atanassov & Dlussky, 1992: 174; Bolton, 1995b: 132; Seifert, 2003a: 233 (redescription); Petrov, 2006: 99 (in key); Lapeva-Gjonova, *et al.* 2010: 26; Legakis, 2011: 15; Borowiec, L. & Salata, 2012: 484; Kiran & Karaman, 2012: 17; Borowiec, L. 2014: 46; Bračko, *et al.* 2014: 13; Lebas, *et al.* 2016: 266; Salata & Borowiec, 2018c: 44.

Senior synonym of *eleonorae*: Seifert, 2003a: 233; Legakis, 2011: 16; Kiran & Karaman, 2012: 17.

***caparica*.** *Leptothorax caparica* Henin, Paiva & Collingwood, 2001: 163, figs. 1, 2 (w.) PORTUGAL.

Junior synonym of *mauritanica*: Henin, Collingwood & Paiva, 2003: 377; Seifert, Okita & Heinze, 2017: 338.

***carbonaria*.** *Cardiocondyla carbonaria* Forel, 1907a: 17 (w.) INDIA (Maharashtra).

Status as species: Emery, 1922e: 125; Chapman & Capco, 1951: 83; Bolton, 1995b: 132; Seifert, 2003a: 289 (redescription); Bharti, Guénard, *et al.* 2016: 33.

***caucasica*.** *Cardiocondyla elegans* subsp. *caucasica* Arnol'di, 1948: 211 (in list). *Nomen nudum*.

***chlorotica*.** *Cardiocondyla emeryi* subsp. *chlorotica* Menozzi, 1930b: 84 (w.q.) SOMALIA.

Junior synonym of *wroughtonii*: Bolton, 1982: 317; Bolton, 1995b: 132; Zhou, 2001b: 86.

***clarior*.** *Cardiocondyla elegans* subsp. *uljanini* var. *clarior* Kuznetsov-Ugamsky, 1927d: 38, fig. 16b (w.) UZBEKISTAN; unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 132.

compressa. *Cardiocondyla compressa* Seifert, in Seifert, Okita & Heinze, 2017: 351, figs. 17-19 (w.) AUSTRALIA (Queensland, Torres Strait Is: Hammond I.).

cristata. *Monomorium cristatum* Santschi, 1912b: 163, fig. D (w.) MADAGASCAR.

Combination in *Cardiocondyla*: Santschi, 1913c: 306;

combination in *C. (Dyclona)*: Santschi, 1930b: 70 (footnote).

Status as species: Santschi, 1913c: 306; Emery, 1922e: 125; Wheeler, W.M. 1922a: 1021; Santschi, 1930b: 70 (footnote); Bolton, 1995b: 132.

dalmatica. *Cardiocondyla elegans* var. *dalmatica* Soudek, 1925a: 34 (w.) CROATIA.

[Also described as new by Soudek, 1925b: 14.]

Subspecies of elegans: Santschi, 1926f: 292; Zimmermann, 1935: 20; Bolton, 1995b: 132.

Junior synonym of *elegans*: Radchenko, 1995b: 449; Seifert, 2003a: 225; Karaman, M.G. 2011b: 21.

Status as species: Seifert, 2018: 187.

ectopia. *Cardiocondyla ectopia* Snelling, R.R. 1974: 76, figs. 1-5 (w.q. ergatoid m.) U.S.A. (California).

Status as species: Smith, D.R. 1979: 1375; Snelling, R.R. & George, 1979: 117; Kugler, J. 1984: 12; Bolton, 1995b: 132; Mackay, 1995: 171 (in key).

Junior synonym of *mauritanica*: Seifert, 2003a: 248; Seifert, Okita & Heinze, 2017: 338.

elegans. *Cardiocondyla elegans* Emery, 1869b: 21, pl. 1, fig. 10 (w.q.) ITALY.

Menozzi, 1918: 83 (ergatoid m.); Kugler, J. 1984: 14 (ergatoid m.).

Status as species: Mayr, 1877: 18; Emery, 1878b: 50; Emery & Forel, 1879: 456; Mayr, 1880: 37; Forel, 1881: 7; André, 1881b: 69; André, 1883a: 328 (in key); Emery, 1889a: 441; Mayr, 1889: 280; Nasonov, 1889: 38; Dalla Torre, 1893: 70; Ruzsky, 1902d: 25; Ruzsky, 1905b: 624; Emery, 1909a: 21; Karavaiev, 1910b: 56; Emery, 1916b: 153; Menozzi, 1918: 83; Bondroit, 1918: 147; Emery, 1922e: 125; Karavaiev, 1934: 114; Grandi, 1935: 100; Finzi, 1936: 166; Finzi, 1939b: 88; Donisthorpe, 1950e: 1060; Consani & Zangheri, 1952: 40; Bernard, 1956c: 301 (in key); Ceballos, 1956: 308; Bernard, 1967: 157 (redescription); Pisarski, 1967: 388; Collingwood & Yarrow, 1969: 75; Baroni Urbani, 1971c: 68; Baroni Urbani, 1971c: 76; Tarbinsky, 1976: 73; Hamann & Klemm, 1976: 673; Aktaç, 1977: 121; Arnol'di & Dlussky, 1978: 538 (in key); Collingwood, 1978: 86 (in key); Kugler, J. 1984: 14; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 276 (in key); Kugler, J. 1988: 258; Dlussky, Soyunov & Zabelin, 1990: 194; Atanassov & Dlussky, 1992: 172; Collingwood, 1993b: 194; Arakelian, 1994: 43; Bolton, 1995b: 132; Poldi, *et al.* 1995: 4; Radchenko, 1995b: 449; Espadaler, 1997b: 29; Collingwood & Prince, 1998: 16 (in key); Collingwood & Heatwole, 2000: 7; Rigato, 2002: 173 (in key); Seifert, 2003a: 225 (redescription); Petrov, 2006: 99 (in key); Bračko, 2007: 17; Gratiashvili & Barjadze, 2008: 138; Paknia, *et al.* 2008: 153; Casevitz-Weulersse & Galkowski, 2009: 487; Vonshak, *et al.* 2009: 41; Lapeva-Gjonova, *et al.* 2010: 26; Csösz, *et al.* 2011: 57; Karaman, M.G. 2011b: 21; Legakis, 2011: 16; Borowiec, L. & Salata, 2012: 484; Guénard & Dunn, 2012: 40; Kiran & Karaman, 2012: 17; Borowiec, L. 2014: 46; Bračko, *et al.* 2014: 13; Tohmé, G. & Tohmé, 2014: 135; Lebas, *et al.* 2016: 266; Salata & Borowiec, 2018c: 44; Seifert, 2018: 186.

Senior synonym of *gallica*: Baroni Urbani, 1973: 200; Kugler, J. 1984: 14; Bolton, 1995b: 132; Radchenko, 1995b: 449; Seifert, 2003a: 225; Casevitz-Weulersse & Galkowsky, 2009: 487.

Senior synonym of *provincialis*: Radchenko, 1995b: 449; Seifert, 2003a: 225; Casevitz-Weulersse & Galkowsky, 2009: 487.

Senior synonym of *santschii*: Bondroit, 1918: 147; Emery, 1922e: 125; Bolton, 1995b: 132; Radchenko, 1995b: 449; Seifert, 2003a: 225; Casevitz-Weulersse & Galkowsky, 2009: 487; Legakis, 2011: 16.

eleonorae. *Cardiocondyla elegans* var. *eleonorae* Forel, 1911d: 337 (w.) TURKEY.

Subspecies of *elegans*: Emery, 1922e: 125; Santschi, 1934d: 277; Menozzi, 1936d: 283; Bolton, 1995b: 132.

Junior synonym of *elegans*: Radchenko, 1995b: 449.

Junior synonym of *bulgarica*: Seifert, 2003a: 233; Legakis, 2011: 16; Kiran & Karaman, 2012: 17.

emeryi. *Cardiocondyla emeryi* Forel, 1881: 5 (w.) VIRGIN IS (St Thomas I.).

André, 1881b: 69 (m.); Forel, 1904f: 422 (q.); Emery, 1909a: 26 (m. ergatoid m.) (not q.); Arnold, 1916: 201 (q.); Borgmeier, 1937a: 132 (ergatoid m.).

Status as species: André, 1881b: 69; André, 1883a: 328 (in key); Forel, 1891b: 160 (redescription); Forel, 1893g: 389; Dalla Torre, 1893: 71; Emery, 1894a: 69; Forel, 1903a: 689; Forel, 1904f: 422; Wheeler, W.M. 1905b: 124; Wheeler, W.M. 1906e: 349; Forel, 1907a: 17; Forel, 1907d: 93; Forel, 1907e: 4; Wheeler, W.M. 1908a: 128; Emery, 1909a: 26; Wheeler, W.M. 1911a: 23; Wheeler, W.M. 1912a: 45; Forel, 1912g: 3; Forel, 1912k: 163; Forel, 1913a: 138; Forel, 1913h: 351; Wheeler, W.M. 1913b: 486; Wheeler, W.M. 1915b: 393; Arnold, 1916: 200; Wheeler, W.M. 1917g: 458; Mann, 1920: 406; Emery, 1922e: 125; Wheeler, W.M. 1922a: 150, 827, 1021; Wheeler, W.M. 1923c: 3; Stärcke, 1926: 84 (in key); Cheesman & Crawley, 1928: 518; Menozzi & Russo, 1930: 153; Smith, M.R. 1930a: 4; Santschi, 1931c: 273; Wheeler, W.M. 1932a: 7; Wheeler, W.M. 1932d: 16; Menozzi, 1933b: 93; Weber, 1934a: 23; Wheeler, W.M. 1935g: 20; Finzi, 1936: 168; Wheeler, W.M. 1936b: 199; Borgmeier, 1937a: 130; Smith, M.R. 1937: 835; Smith, M.R. 1944a: 33 (redescription); Bernard, 1948: 141; Creighton, 1950a: 198; Smith, M.R. 1951a: 807; Weber, 1952a: 5; Smith, M.R. 1954c: 5; Wellenius, 1955: 6; Bernard, 1956c: 302 (in key); Wilson, 1964b: 5; Smith, M.R. 1967: 355; Wilson & Taylor, 1967: 53; Taylor, 1967b: 1094; Kempf, 1972a: 74; Baroni Urbani, 1973: 200; Alayo, 1974: 12 (in key); Taylor, 1976b: 196; Báez & Ortega, 1978: 189; Smith, D.R. 1979: 1375; Onoyama, 1980: 198; Barquin Diez, 1981: 127; Bolton, 1982: 312 (redescription); Kugler, J. 1984: 3; Collingwood, 1985: 257; Kugler, J. 1988: 258; Deyrup, *et al.* 1989: 95; Brandão, 1991: 336; Hohmann, *et al.* 1993: 147; Dlussky, 1994: 54; Mackay, 1995: 171 (in key); Bolton, 1995b: 132; Radchenko, 1995b: 452; Collingwood & Agosti, 1996: 327; Dorow, 1996a: 77; Deyrup, *et al.* 2000: 296; Wetterer, 2002: 129; Deyrup, 2003: 44; Seifert, 2003a: 276 (redescription); Wetterer & Vargo, 2003: 417; Collingwood, *et al.* 2004: 479; Wetterer & Wetterer, 2004: 215; Jaitrong & Nabhitabhata, 2005: 16; Cagniant, 2006a: 198; Wetterer, 2006: 415; Wetterer, Epadaler, Ashmole, *et al.* 2007: 31; Wetterer, *et al.* 2007: 8; Vonshak, *et al.* 2009: 41; Collingwood, *et al.* 2011: 421; Pfeiffer, *et al.* 2011: 44; Sarnat & Economo, 2012: 72; Wetterer, 2012d: 13; Hita Garcia, *et al.* 2013: 208; Borowiec, L. 2014: 46; Ramage, 2014: 171; Bharti, Guénard, *et al.* 2016: 33; Lebas, *et al.* 2016: 266; Wetterer, *et al.*

2016: 10; Sharaf, Fisher, *et al.* 2017: 16; Deyrup, 2017: 54; Sharaf, Fisher, *et al.* 2018: 18; Dekoninck, *et al.* 2019: 1152; Lubertazzi, 2019: 96.

Senior synonym of *mahdii*: Bolton, 1982: 313; Kugler, J. 1984: 4; Bolton, 1995b: 132; Seifert, 2003a: 277.

Senior synonym of *mauritia*: Bolton, 1982: 313; Bolton, 1995b: 132; Seifert, 2003a: 277.

Senior synonym of *monilicornis*: Baroni Urbani, 1973: 200; Bolton, 1982: 313; Kugler, J. 1984: 4; Brandão, 1991: 336; Bolton, 1995b: 132.

Senior synonym of *nereis*: Wilson & Taylor, 1967: 53; Smith, D.R. 1979: 1375; Bolton, 1982: 313; Bolton, 1995b: 132; Seifert, 2003: 277.

Senior synonym of *rasalamae*: Bolton, 1982: 312; Bolton, 1995b: 132; Dorow, 1996a: 77; Seifert, 2003a: 276.

Current subspecies: nominal plus *fezzanensis*.

***fajumensis*.** *Cardiocondyla nuda* var. *fajumensis* Forel, 1913d: 429 (q.) EGYPT.

[Misspelled as *fayumensis* by Finzi, 1936: 171.]

Subspecies of *nuda*: Emery, 1922e: 126; Finzi, 1936: 171; Bolton, 1995b: 132.

Status as species: Seifert, 2003a: 260 (redescription); Paknia, *et al.* 2008: 153; Borowiec, L. 2014: 46.

Senior synonym of *nilotica*: Seifert, 2003a: 260.

Senior synonym of *schatzmayri*: Seifert, 2003a: 260.

***fezzanensis*.** *Cardiocondyla emeryi* subsp. *fezzanensis* Bernard, 1948: 142 (q.) LIBYA.

Subspecies of *emeryi*: Bolton, 1995b: 132.

***fusca*.** *Cardiocondyla fusca* Weber, 1952a: 7 (w.) UGANDA.

Junior synonym of *shuckardi*: Bolton, 1982: 316; Bolton, 1995b: 132.

***gallagheri*.** *Cardiocondyla gallagheri* Collingwood & Agosti, 1996: 327, fig. 10 (w.) OMAN.

Status as species: Collingwood, *et al.* 2011: 422; Borowiec, L. 2014: 46.

***gallica*.** *Xenometra gallica* Bernard, 1957b: 101, fig. 1 (q.) FRANCE.

[Note: the three syntypes are ergatoid males, not queens.]

Status as species: Bernard, 1967: 158 (redescription); Kutter, 1968b: 203.

Junior synonym of *elegans*: Baroni Urbani, 1973: 200; Kugler, J. 1984: 14; Bolton, 1995b: 132; Radchenko, 1995b: 449; Seifert, 2003a: 225; Casevitz-Weulersse & Galkowsky, 2009: 487.

***gallilaeica*.** *Cardiocondyla gallilaeica* Seifert, 2003a: 230, fig. 13 (w.) ISRAEL.

Status as species: Vonshak, *et al.* 2009: 41; Borowiec, L. 2014: 47.

***gibbosa*.** *Cardiocondyla elegans* subsp. *gibbosa* Kuznetsov-Ugamsky, 1927d: 37, figs. 13-15 (w.) UZBEKISTAN.

Subspecies of *elegans*: Tarbinsky, 1976: 73.

Junior synonym of *koshewnikovi*: Dlussky, Soyunov & Zabelin, 1990: 195; Bolton, 1995b: 132; Radchenko, 1995b: 450.

Status as species: Seifert, 2003a: 268 (redescription); Schultz, R. *et al.* 2006: 206.

***globinodis*.** *Cardiocondyla globinodis* Stitz, 1923: 154 (w.) NAMIBIA.

Junior synonym of *shuckardi*: Bolton, 1982: 316; Bolton, 1995b: 132.

Junior synonym of *venustula*: Seifert, 2003a: 257.

***goa*.** *Cardiocondyla goa* Seifert, 2003a: 285, fig. 65 (w.) INDIA (Kerala, Goa).

Status as species: Bharti, Guénard, *et al.* 2016: 33.

***hawaiensis*.** *Cardiocondyla wroughtonii* var. *hawaiensis* Forel, 1899a: 119 (w.) HAWAII.

[Misspelled as *hawaiensis* by Wheeler, W.M. 1934h: 14,]

Forel, 1902h: 440 (q.); Santschi, 1919a: 328 (m.); Smith, M.R. 1944a: 30 (ergatoid m.).
Subspecies of *wroughtonii*: Forel, 1902h: 440; Forel, 1907a: 17; Santschi, 1919a: 328;
Emery, 1922e: 126; Wheeler, W.M. 1934h: 14; Wheeler, W.M. 1935g: 21.

Status as species: Alayo, 1974: 12 (in key).

Junior synonym of *wroughtonii*: Wilson & Taylor, 1967: 56; Smith, D.R. 1979: 1376;
Bolton, 1982: 317; Kugler, J. 1984: 6; Seifert, 2003a: 269.

Senior synonym of *hawaiensis*: Wilson & Taylor, 1967: 56; Smith, D.R. 1979: 1376;
Bolton, 1982: 317; Kugler, J. 1984: 6; Bolton, 1995b: 132; Mohamed, Zalat, *et al.* 2001:
50; Zhou, 2001b: 86; Seifert, 2003a: 269.

***humilis*.** *Myrmica humilis* Smith, F. 1858b: 123 (q.) INDIA (Maharashtra).

Status as species: Mayr, 1863: 433; Smith, F. 1871a: 326; Dalla Torre, 1893: 110;
Chapman & Capco, 1951: 126.

Unidentifiable taxon: Forel, 1903a: 698;

unidentifiable to genus; *incertae sedis* in *Myrmica*: Bolton, 1995b: 279;

unidentifiable taxon; *incertae sedis* in *Cardiocondyla*: Rachenko & Elmes, 2010: 666.

***insutura*.** *Cardiocondyla insutura* Zhou, 2001b: 85, 233, figs. 137, 138 (w.) CHINA (Guangxi).

Status as species: Guénard & Dunn, 2012: 40.

***israelica*.** *Cardiocondyla israelica* Seifert, 2003a: 231, fig. 12 (w.q.) ISRAEL, EGYPT.

Status as species: Vonshak, *et al.* 2009: 41; Borowiec, L. 2014: 47.

***itsukii*.** *Cardiocondyla itsukii* Seifert, Okita & Heinze, 2017: 339, figs. 10-12 (w.q.m.) JAPAN,
BHUTAN, CHINA (Guangxi), HAWAII, INDIA (Madhya Pradesh, West Bengal,
Uttarakhand), INDONESIA (Java, Sulawesi), NEPAL, PHILIPPINES (Mindanao I.),
REUNION I., SRI LANKA, THAILAND.

***jacquemini*.** *Cardiocondyla jacquemini* Bernard, 1953a: 149, fig. 3 (w.) ALGERIA.

Status as species: Bernard, 1956c: 302 (in key); Bolton, 1995b: 132; Radchenko, 1995b:
451; Borowiec, L. 2014: 47.

***kagutsuchi*.** *Cardiocondyla kagutsuchi* Terayama, 1999d: 100, figs. 1-9 (w.q.m. ergatoid m.)
JAPAN (Ishigaki I.).

[Misspelled as *kagutuchi* by Imai, *et al.* 2003: 153.]

Status as species: Imai, *et al.* 2003: 153; Seifert, 2003a: 252 (redescription); Clouse,
2007b: 229; Framenau & Thomas, 2008: 67; Terayama, 2009: 179; Pfeiffer, *et al.* 2011:
44; Guénard & Dunn, 2012: 40; Sarnat & Economo, 2012: 72; Sarnat, *et al.* 2013: 71;
Bharti, Guénard, *et al.* 2016: 34; Seifert, Okita & Heinze, 2017: 344.

***kazanensis*.** *Cardiocondyla kazanensis* Terayama, 2013: 7, figs. 16-19 (w.) JAPAN.

***koshevnikovi*.** *Cardiocondyla koshevnikovi* Ruzsky, 1902b: 480 (w.q.) KAZAKHSTAN.

[Also described as new by Ruzsky, 1902c: 16.]

[Misspelled as *koshevnikowi* by Forel, 1902h: 440.]

Junior synonym of *stambuloffii*: Pisarski, 1970: 308.

Subspecies of *stambuloffii*: Forel, 1902h: 440; Ruzsky, 1905b: 629; Emery, 1909a: 24;
Emery, 1922e: 126; Kuznetsov-Ugamsky, 1927d: 37; Pisarski, 1967: 388; Tarbinsky,
1976: 72 (redescription); Dlussky, 1981a: 17; Dlussky & Zabelin, 1985: 213.

Status as species: Dlussky, Soyunov & Zabelin, 1990: 195; Bolton, 1995b: 132;
Radchenko, 1995b: 450; Seifert, 2003a: 266 (redescription); Schultz, R. *et al.* 2006: 206;
Guénard & Dunn, 2012: 40.

***kushanica*.** *Cardiocondyla kushanica* Pisarski, 1967: 386, figs. 16-22 (w.q.) AFGHANISTAN.

Status as species: Dlussky, 1981a: 17; Bolton, 1995b: 132; Radchenko, 1995b: 451; Seifert, 2003a: 239 (redescription).

littoralis. *Cardiocondyla littoralis* Seifert, 2003a: 232, fig. 14b (w.) KAZAKHSTAN.

longiceps. *Cardiocondyla longiceps* Seifert, 2003a: 259, fig. 45 (q.) YEMEN.

Status as species: Collingwood, *et al.* 2004: 479; Borowiec, L. 2014: 47; Sharaf, Fisher, *et al.* 2017: 16.

longinoda. *Cardiocondyla longinoda* Rigato, 2002: 167, figs. 1-3 (w.) TANZANIA.

longispina. *Cardiocondyla longispina* Karavaiev, 1935a: 88, fig. 14 (w.) INDONESIA (Java).

Status as species: Chapman & Capco, 1951: 83; Bolton, 1995b: 132.

Junior synonym of *wroughtonii*: Seifert, 2003a: 269.

luciae. *Cardiocondyla luciae* Rigato, 2002: 169, figs. 4, 5 (w.) TANZANIA.

mahdii. *Cardiocondyla emeryi* subsp. *mahdii* Karavaiev, 1911: 8 (w.) SUDAN.

Finzi, 1936: 169 (q.m.).

Subspecies of *emeryi*: Wheeler, W.M. 1922a: 827; Emery, 1922e: 125; Finzi, 1936: 168; Donisthorpe, 1942a: 28; Donisthorpe, 1947e: 109; Bernard, 1948: 142; Weber, 1952a: 6; Hamann & Klemm, 1967: 413.

Junior synonym of *emeryi*: Bolton, 1982: 313; Kugler, J. 1984: 4; Bolton, 1995b: 132; Seifert, 2003a: 277.

mauritanica. *Cardiocondyla nuda* var. *mauritanica* Forel, 1890a: lxxv (w.) TUNISIA.

Forel, 1901e: 378 (q.); Forel, 1904c: 7 (ergatoid m.).

Subspecies of nuda: Forel, 1890a: lxxv; Emery, 1891b: 13; Dalla Torre, 1893: 71; Forel, 1901b: 13; Forel, 1901e: 378; Forel, 1904c: 6; Emery, 1909a: 25; Forel, 1911f: 276; Forel, 1911h: 457; Karavaiev, 1911: 8; Crawley, 1920a: 165; Emery, 1922e: 126; Menozzi, 1927g: 379; Menozzi, 1932c: 94; Menozzi, 1933b: 58; Menozzi, 1934: 154; Finzi, 1936: 171; Teranishi, 1940: 35; Donisthorpe, 1942a: 28; Bernard, 1948: 141; Weber, 1952c: 17; Bernard, 1953a: 149; Kugler, J. 1984: 11; Mei, 1995: 764; Poldi, *et al.* 1995: 4.

Status as species: Ortiz, F.J. & Tinaut, 1987: 32; Bolton, 1995b: 132; Espadaler, 1997b: 29; Seifert, 2003: 248 (redescription); Ward, 2005: 65; Cagniant, 2006a: 198; Gómez & Espadaler, 2006: 226; Wetterer, Epadaler, Ashmole, *et al.* 2007: 31; Wetterer, *et al.* 2007: 9; Paknia, *et al.* 2008: 153; Vonshak, *et al.* 2009: 41; Legakis, 2011: 16; Collingwood, *et al.* 2011: 422; Borowiec, L. & Salata, 2012: 484; Kiran & Karaman, 2012: 17; Wetterer, 2012f: 985; Borowiec, L. 2014: 47; Bharti, Guénard, *et al.* 2016: 34; Lebas, *et al.* 2016: 266; Wetterer, *et al.* 2016: 10; Sharaf, Fisher, *et al.* 2017: 18; Seifert, Okita & Heinze, 2017: 338; Deyrup, 2017: 55; Salata & Borowiec, 2018c: 44; Sharaf, Fisher, *et al.* 2018: 18.

Senior synonym of caparica: Henin, Collingwood & Paiva, 2003: 377; Seifert, Okita & Heinze, 2017: 338.

Senior synonym of ectopia: Seifert, 2003: 248; Seifert, Okita & Heinze, 2017: 338.

Senior synonym of nitida: Bernard, 1956c: 305; Bolton, 1995b: 132.

mauritia. *Cardiocondyla mauritia* Donisthorpe, 1946c: 776 (w.) MAURITIUS.

Status as species: Donisthorpe, 1946e: 30; Chapman & Capco, 1951: 83.

Junior synonym of *emeryi*: Bolton, 1982: 313; Bolton, 1995b: 132; Seifert, 2003a: 277.

melana. *Cardiocondyla melana* Seifert, 2003a: 259, fig. 41 (w.) YEMEN.

Status as species: Borowiec, L. 2014: 47.

minutior. *Cardiocondyla nuda* var. *minutior* Forel, 1899a: 120 (w.) HAWAII.

Wheeler, W.M. 1922f: 317 (q.); Heinze, 1999: 251 (polymorphic m.).

Subspecies of *nuda*: Forel, 1903d: 404; Forel, 1907a: 17; Wheeler, W.M. 1922f: 317; Emery, 1922e: 126; Wheeler, W.M. 1932a: 7; Wheeler, W.M. 1934h: 14; Wheeler, W.M. 1935g: 21; Smith, M.R. 1944a: 38 (redescription). Creighton, 1950a: 198; Smith, M.R. 1951a: 807; Smith, M.R. 1958c: 125; Smith, M.R. 1967: 355.

Junior synonym of *nuda*: Wilson & Taylor, 1967: 55; Smith, D.R. 1979: 1375; Bolton, 1995b: 132; Zhou, 2001b: 87; Lyu & Cho, 2003b: 267 (error).

Status as species: Heinze, 1999: 251; Seifert, 2003a: 283 (redescription); Ward, 2005: 65; Don, 2007: 85; Clouse, 2007b: 230; Terayama, 2009: 179; Branstetter & Sáenz, 2012: 257; Sarnat & Economo, 2012: 73; Ramage, 2014: 169; Wetterer, 2014b: 567; Bharti, Guénard, *et al.* 2016: 34; Wetterer, *et al.* 2016: 10; Sharaf, Fisher, *et al.* 2017: 20; Deyrup, 2017: 56; Dekoninck, *et al.* 2019: 1153; Lubertazzi, 2019: 97.

Senior synonym of *tsukuyomi*: Seifert, 2003a: 283.

***monardi*.** *Cardiocondyla (Loncyda) monardi* Santschi, 1930b: 70, fig. 5a-c (w.) ANGOLA.

Status as species: Bolton, 1982: 314 (redescription); Bolton, 1995b: 132; Rigato, 2002: 172 (in key).

***monilicornis*.** *Xenometra monilicornis* Emery, 1917a: 96 (ergatoid m.) (not q.) VIRGIN IS.

Status as species: Emery, 1922e: 127; Kutter, 1968b: 203; Baroni Urbani, 1971c: 77; Kempf, 1972a: 259.

Junior synonym of *emeryi*: Baroni Urbani, 1973: 200; Bolton, 1982: 313; Kugler, J. 1984: 4; Brandão, 1991: 336; Bolton, 1995b: 132.

***montandoni*.** *Cardiocondyla montandoni* Santschi, 1912g: 657, figs. 1, 3 (w.) ROMANIA.

Status as species: Emery, 1922e: 126; Bernard, 1956c: 302 (in key).

Junior synonym of *stambuloffii*: Pisarski, 1962a: 332; Arnol'di & Dlussky, 1978: 538 (in key); Bolton, 1995b: 132; Radchenko, 1995b: 450; Seifert, 2003a: 262; Radchenko, 2016: 237.

***nana*.** *Cardiocondyla nana* Seifert, 2003a: 276, fig. 54 (w.) BORNEO (Brunei).

Status as species: Pfeiffer, *et al.* 2011: 44.

***neferka*.** *Cardiocondyla neferka* Bolton, 1982: 314, fig. 7 (w.) GHANA, CAMEROON.

Status as species: Bolton, 1995b: 132; Rigato, 2002: 172 (in key); Seifert, 2003a: 280 (redescription).

***nereis*.** *Cardiocondyla nuda* subsp. *nereis* Wheeler, W.M. 1927i: 140 (w.q.) AUSTRALIA (Norfolk I.).

Subspecies of *nuda*: Wheeler, W.M. 1932c: 159; Wheeler, W.M. 1932d: 16; Wheeler, W.M. 1933f: 143; Wheeler, W.M. 1935g: 21; Wheeler, W.M. 1936f: 7; Taylor & Brown, 1985: 55; Taylor, 1987a: 16.

Junior synonym of *emeryi*: Wilson & Taylor, 1967: 53; Smith, D.R. 1979: 1375; Bolton, 1982: 313; Bolton, 1995b: 132; Seifert, 2003: 277.

***nigra*.** *Cardiocondyla batesii* var. *nigra* Forel, 1905b: 174 (w.q.) TUNISIA.

Santschi, 1907: 324 (m. ergatoid m. gynandromorph).

Subspecies of *batesii*: Emery, 1909a: 23; Forel, 1909e: 381; Karavaiev, 1912a: 4; Emery, 1922e: 125; Kugler, J. 1984: 12.

Junior synonym of *batesii*: Radchenko, 1995b: 451.

Status as species: Schembri & Collingwood, 1981: 428; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 276 (in key); Kugler, J. 1988: 258; Bolton, 1995b: 132; Schembri & Collingwood, 1995: 154; Seifert, 2003a: 240 (redescription); Petrov,

2006: 99 (in key); Vonshak, *et al.* 2009: 41; Lapeva-Gjonova, *et al.* 2010: 27; Legakis, 2011: 16; Borowiec, L. & Salata, 2012: 485; Guénard & Dunn, 2012: 40; Kiran & Karaman, 2012: 17; Borowiec, L. 2014: 47; Lebas, *et al.* 2016: 266; Salata & Borowiec, 2018c: 44.

Senior synonym of *torretassoi*: Seifert, 2003a: 240.

***nigrocerea*.** *Cardiocondyla nigrocerea* Karavaiev, 1935a: 89, fig. 15 (w.) INDONESIA (Amboin I.).

Status as species: Chapman & Capco, 1951: 83; Bolton, 1995b: 132.

***nilotica*.** *Cardiocondyla nilotica* Weber, 1952a: 8, fig. 13 (w.) SUDAN.

Status as species: Bolton, 1982: 315; Bolton, 1995b: 132; Rigato, 2002: 172 (in key).

Junior synonym of *fajumensis*: Seifert, 2003a: 260.

***nitida*.** *Cardiocondyla emeryi* subsp. *nitida* Bernard, 1948: 142 (w.) LIBYA.

Subspecies of *emeryi*: Bernard, 1953a: 148.

Junior synonym of *mauritanica*: Bernard, 1956c: 305; Bolton, 1995b: 132.

***nivalis*.** *Cardiocondyla nivalis* Mann, 1919: 317 (w.) SOLOMON IS (San Cristoval I.).

Status as species: Wheeler, W.M. 1935g: 20; Taylor, 1976a: 85; Bolton, 1995b: 132; Sarnat, *et al.* 2013: 71.

***nuda*.** *Leptothorax nudus* Mayr, 1866a: 508 (w.) FIJI IS (Ovalau I.).

Emery, 1897c: 588 (q. ergatoid m.); Wheeler, G.C. & Wheeler, J. 1973a: 27 (l.); Imai, *et al.* 1984: 6 (k.).

Combination in *Cardiocondyla*: Forel, 1881: 6.

Status as species: Mayr, 1876: 101; Mayr, 1879: 674 (redescription); Forel, 1881: 6; Emery, 1884a: 379; André, 1885: 853; Forel, 1890a: lxxv; Dalla Torre, 1893: 71; Emery, 1897c: 588; Emery, 1900d: 680; Forel, 1901b: 12; Dahl, 1901: 20; Forel, 1902h: 440; Forel, 1903a: 689; Rothney, 1903: 98; Bingham, 1903: 287; Forel, 1906b: 86; Forel, 1907a: 17; Emery, 1909a: 25; Karavaiev, 1911: 8; Viehmeyer, 1914c: 518; Forel, 1915b: 75; Viehmeyer, 1916a: 122; Wheeler, W.M. 1919e: 71; Mann, 1921: 443; Emery, 1922e: 126; Wheeler, W.M. 1922a: 1021; Wheeler, W.M. 1922f: 317; Mann, 1925b: 5; Wheeler, W.M. 1927i: 140; Santschi, 1928a: 44; Santschi, 1928c: 68; Wheeler, W.M. 1928c: 16; Wheeler, W.M. 1929f: 4; Wheeler, W.M. 1930h: 64; Wheeler, W.M. 1932c: 159; Wheeler, W.M. 1935g: 20; Karavaiev, 1935a: 84 (redescription); Finzi, 1936: 171; Wheeler, W.M. 1936f: 7; Santschi, 1937h: 371; Menozzi, 1939a: 334; Creighton, 1950a: 198; Chapman & Capco, 1951: 83; Bernard, 1956c: 302 (in key); Wilson & Taylor, 1967: 55; Taylor, 1967b: 1094; Pisarski, 1967: 386; Taylor, 1976a: 85; Smith, D.R. 1979: 1375; Onoyama, 1980: 198; Barquin Diez, 1981: 123; Kugler, J. 1984: 11; Collingwood, 1985: 257; Taylor & Brown, 1985: 55; Taylor, 1987a: 16; Kugler, J. 1988: 258; Deyrup, *et al.* 1989: 95; Ogata, 1991b: 99; Morisita, *et al.* 1992: 32; Hohmann, *et al.* 1993: 147; Perrault, 1993: 333; Dlussky, 1994: 54; Bolton, 1995b: 133; Mackay, 1995: 170 (in key); Mei, 1995: 764; Poldi, *et al.* 1995: 4; Wu, J. & Wang, 1995: 69; Radchenko, 1995b: 452; Collingwood & Agosti, 1996: 327; Deyrup, *et al.* 2000: 296; Mathew & Tiwari, 2000: 305; Mohamed, Zalat, *et al.* 2001: 50; Zhou, 2001b: 87; Wetterer, 2002: 129; Zhang, W. & Zheng, 2002: 220; Deyrup, 2003: 44; Imai, *et al.* 2003: 154; Lin & Wu, 2003: 63; Lyu & Cho, 2003b: 267; Seifert, 2003a: 245 (redescription); Wetterer & Vargo, 2003: 417; Ghosh, *et al.* 2005: 19; Jaitrong & Nabhitabhata, 2005: 16; Wetterer, 2006: 415; Clouse, 2007b: 230; Mohanraj, *et al.* 2010: 6; Pfeiffer, *et al.* 2011: 44; Guénard & Dunn, 2012:

40; Sarnat & Economo, 2012: 73; Sarnat, *et al.* 2013: 71; Seifert, Okita & Heinze, 2017: 345; Fernández & Serna, 2019: 820.

obscurior. *Cardiocondyla wroughtoni* var. *obscurior* Wheeler, W.M. 1929g: 44 (w.q.) TAIWAN.

Junior synonym of *wroughtonii*: Lin & Wu, 2003: 63.

Subspecies of wroughtoni: Wheeler, W.M. 1930a: 98; Chapman & Capco, 1951: 84; Bolton, 1995b: 133.

Status as species: Seifert, 2003a: 271 (redescription); Wetterer & Vargo, 2003: 417; Wetterer & Wetterer, 2004: 215; Clouse, 2007b: 230; Terayama, 2009: 179; Vonshak, *et al.* 2009: 41; Ellison, *et al.* 2012: 235; Sarnat & Economo, 2012: 74; Hita Garcia, *et al.* 2013: 208; Borowiec, L. 2014: 48; Ramage, 2014: 171; Bharti, Guénard, *et al.* 2016: 34; Wetterer, *et al.* 2016: 10; Deyrup, 2017: 56.

Senior synonym of bicolor: Seifert, 2003a: 271.

opaca. *Cardiocondyla opaca* Seifert, 2003a: 290, fig. 68b (w.) INDIA (Goa).

Status as species: Bharti, Guénard, *et al.* 2016: 34.

opistopsis. *Cardiocondyla opistopsis* Seifert, 2003a: 244, fig. 26 (w.) KUWAIT.

Status as species: Borowiec, L. 2014: 48.

papuana. *Prosopidris papuana* Reiskind, 1965: 81, figs. 1-8 (w.q. ergatoid m.) NEW GUINEA (Papua New Guinea).

Combination in *Cardiocondyla*: Bolton, 1982: 311 (in text).

Status as species: Kugler, J. 1984: 16; Bolton, 1995b: 133.

paradoxa. *Cardiocondyla paradoxa* Emery, 1897c: 589, pl. 15, figs. 22, 23 (w.) NEW GUINEA (Papua New Guinea).

Status as species: Viehmeyer, 1914c: 518; Emery, 1922e: 126; Chapman & Capco, 1951: 83; Smith, M.R. 1955d: 305; Bolton, 1995b: 133.

Senior synonym of brevispinosa: Smith, M.R. 1955d: 305; Bolton, 1995b: 133.

paranuda. *Cardiocondyla paranuda* Seifert, 2003a: 246, fig. 31 (w.) TUNISIA.

[Note: type-locality probably Australia, not Tunisia: Seifert, D'Eustacchio, *et al.* 2017: 350.]

Status as species: Borowiec, L. 2014: 48; Seifert, Okita & Heinze, 2017: 346 (redescription).

parvinoda. *Cardiocondyla parvinoda* Forel, 1902c: 213 (w.) INDIA (Maharashtra).

Status as species: Forel, 1903a: 689; Bingham, 1903: 288; Emery, 1922e: 126; Teranishi, 1940: 61; Bolton, 1995b: 133; Lin & Wu, 2003: 63; Bharti, Guénard, *et al.* 2016: 34.

persiana. *Cardiocondyla persiana* Seifert, 2003a: 236, fig. 11 (w.q.) IRAN, ISRAEL.

Status as species: Paknia, *et al.* 2008: 153; Vonshak, *et al.* 2009: 41; Borowiec, L. 2014: 48.

pirata. *Cardiocondyla pirata* Seifert & Frohschammer, 2013: 16, figs. 1-6 (w.q.m.) PHILIPPINES (Luzon I.).

provincialis. *Cardiocondyla provincialis* Bernard, 1956c: 303, fig. 6 (w.) FRANCE.

Status as species: Bernard, 1967: 158 (redescription); Bolton, 1995b: 133.

Junior synonym of *elegans*: Radchenko, 1995b: 449; Seifert, 2003a: 225; Casevitz-Weulersse & Galkowsky, 2009: 487.

quadraticeps. *Cardiocondyla wroughtonii* subsp. *quadraticeps* Forel, 1912n: 57 (w.) SINGAPORE.

[Misspelled as *quadriceps* by Santschi, 1928h: 125.]

Viehmeyer, 1916a: 122 (q.).

Subspecies of *wroughtonii*: Viehmeyer, 1916a: 122; Emery, 1922e: 126; Santschi, 1928h: 125; Chapman & Capco, 1951: 84; Bolton, 1995b: 133.

Junior synonym of *wroughtonii*: Seifert, 2003a: 269.

rasalamae. *Cardiocondyla emeryi* var. *rasalamae* Forel, 1891b: 161 (w.) MADAGASCAR.

Forel, 1912k: 163 (q.).

Subspecies of *emeryi*: Dalla Torre, 1893: 71; Forel, 1912k: 163; Wheeler, W.M. 1922a: 1021; Emery, 1922e: 125; Bernard, 1948: 142.

Junior synonym of *emeryi*: Bolton, 1982: 312; Bolton, 1995b: 133; Dorow, 1996a: 76; Seifert, 2003a: 276.

rugulosa. *Cardiocondyla rugulosa* Seifert, 2003a: 244, fig. 25 (w.) YEMEN.

Status as species: Borowiec, L. 2014: 48.

sabulosa. *Cardiocondyla stambulovi* subsp. *taurica* morpha *sabulosa* Arnol'di, 1928a: 131; unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 133.

sahlbergi. *Cardiocondyla elegans* var. *sahlbergi* Forel, 1913d: 429 (q.) ISRAEL.

Finzi, 1936: 166 (w.).

Subspecies of *elegans*: Emery, 1922e: 125; Finzi, 1936: 166; Menozzi, 1933b: 93.

Junior synonym of *bogdanovi*: Radchenko, 1995b: 450.

Status as species: Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 276 (in key); Bolton, 1995b: 133; Gallé, *et al.* 1998: 215; Seifert, 2003a: 235 (redescription); Petrov, 2006: 99 (in key); Gratiashvili & Barjadze, 2008: 138; Paknia, *et al.* 2008: 153; Vonshak, *et al.* 2009: 41; Kiran & Karaman, 2012: 17; Borowiec, L. 2014: 48.

salina. *Cardiocondyla stambulovi* subsp. *taurica* morpha *salina* Arnol'di, 1928a: 131; unavailable (infrasubspecific) name.

Declared as unavailable (infrasubspecific) name: Bolton, 1995b: 133.

santschii. *Cardiocondyla elegans* r. *santschii* Forel, 1905b: 174 (w.) FRANCE.

Forel, 1910a: 23 (q.).

Subspecies of *elegans*: Forel, 1910a: 23; Forel, 1911f: 276; Forel, 1911h: 457; Santschi, 1926f: 293.

Junior synonym of *elegans*: Bondroit, 1918: 147; Emery, 1922e: 125; Bolton, 1995b: 133; Radchenko, 1995b: 449; Seifert, 2003a: 225; Casevitz-Weulersse & Galkowsky, 2009: 487; Legakis, 2011: 16.

schatzmayri. *Cardiocondyla emeryi* subsp. *schatzmayri* Finzi, 1936: 170, fig. 5 (w.q.) EGYPT.

Subspecies of *emeryi*: Hamann & Klemm, 1967: 413; Bolton, 1995b: 133.

Junior synonym of *fajumensis*: Seifert, 2003a: 260.

schkaffi. *Cardiocondyla elegans* subsp. *schkaffi* Arnol'di, 1928: 724 (w.q.) UKRAINE.

Subspecies of *elegans*: Arnol'di, 1933b: 599; Karavaiev, 1934: 114 (redescription); Karavaiev, 1937: 172; Arnol'di & Dlussky, 1978: 538 (in key); Bolton, 1995b: 133.

Junior synonym of *elegans*: Radchenko, 1995b: 449.

Junior synonym of *ulianini*: Radchenko, 2016: 235.

[Note: Arnol'di, 1928: 724, reference not seen; obtained from Radchenko, 2016: 235. Karavaiev, 1934: 114, and Karavaiev, 1937: 172, attribute *schkaffi* to Alpatov & Arnol'di.]

sculptinodis. *Cardiocondyla shuckardi* st. *sculptinodis* Santschi, 1913c: 305 (q.) MADAGASCAR.

Subspecies of *nuda*: Emery, 1922e: 126; Bolton, 1995b: 133.

Subspecies of *shuckardi*: Wheeler, W.M. 1922a: 1021; Santschi, 1932a: 387; Seifert, Okita & Heinze, 2017: 353.

- sculptior*. *Cardiocondyla wasmanni* var. *sculptior* Santschi, 1926b: 241 (w.) GABON.
As unavailable (infrasubspecific) name: Santschi, 1932a: 387.
Junior synonym of *shuckardi*: Bolton, 1982: 316; Bolton, 1995b: 133.
- sekhemka**. *Cardiocondyla sekhemka* Bolton, 1982: 315 (w.) GHANA.
Status as species: Bolton, 1995b: 133; Rigato, 2002: 172 (in key).
- semenowi**. *Cardiocondyla elegans* var. *semenowi* Forel, 1911d: 337 (w.). *Nomen nudum* (attributed to Ruzsky).
- semirubra**. *Cardiocondyla semirubra* Seifert, 2003a: 238, figs. 18, 70 (w.) TURKEY.
Status as species: Kiran & Karaman, 2012: 17; Borowiec, L. 2014: 48.
- shagrinata**. *Cardiocondyla shagrinata* Seifert, 2003a: 275, figs. 53, 55 (w.) INDIA (no state data, “South Konkan”).
[Note: Konkan Coast includes the coastal regions within the states of Karnataka, Goa, and Maharashtra.]
Status as species: Bharti, Guénard, *et al.* 2016: 34.
- shuckardi**. *Cardiocondyla shuckardi* Forel, 1891b: 161 (w.) MADAGASCAR.
Subspecies of nuda: Forel, 1895c: 251; Emery, 1922e: 126.
Status as species: Dalla Torre, 1893: 71; Wheeler, W.M. 1922a: 1021; Santschi, 1932a: 387; Bolton, 1982: 316 (redescription); Collingwood, 1985: 257; Bolton, 1995b: 133; Collingwood & Agosti, 1996: 327; Rigato, 2002: 172 (in key); Seifert, 2003a: 257 (redescription); Collingwood, *et al.* 2011: 424; Borowiec, L. 2014: 48.
Senior synonym of brevispinosa Weber: Bolton, 1982: 316; Bolton, 1995b: 133.
Senior synonym of fusca: Bolton, 1982: 316; Bolton, 1995b: 133.
Senior synonym of sculptior: Bolton, 1982: 316; Bolton, 1995b: 133.
Senior synonym of shuckardoides: Seifert, 2003a: 257.
Senior synonym of wassmanni: Bolton, 1982: 316; Bolton, 1995b: 133.
Current subspecies: nominal plus *sculptinodis*.
- shuckardoides**. *Cardiocondyla nuda* var. *shuckardoides* Forel, 1895c: 250 (w.) MADAGASCAR.
Subspecies of *nuda*: Wheeler, W.M. 1922a: 1021; Emery, 1922e: 126; Bolton, 1995b: 133.
Junior synonym of *shuckardi*: Seifert, 2003a: 257.
- sima**. *Cardiocondyla (Prosopidris) sima* Wheeler, W.M. 1935b: 41, fig. 1 (w.q.) PHILIPPINES (Lanao I.).
Combination in *Prosopidris*: Reiskind, 1965: 84;
combination in *Cardiocondyla*: Bolton, 1982: 309.
Status as species: Chapman & Capco, 1951: 83; Reiskind, 1965: 84 (redescription); Baltazar, 1966: 249; Bolton, 1995b: 133.
- stambuloffii**. *Cardiocondyla stambuloffii* Forel, 1892i: 310, pl. 5, fig. 1 (w.q. ergatoid m.) BULGARIA.
[*Cardiocondyla stambuloffii* Forel, 1892h: 460 (in text). *Nomen nudum*.]
[Misspelled as *stambulovi* by Ruzsky, 1905b: 628, and others; misspelled as *stambulowi* by Arnol'di, 1928a: 132; misspelled as *strambuloffii* by Karavaiev, 1936: 277.]
Kugler, J. 1984: 8 (ergatoid m.).
- Status as species**: Dalla Torre, 1893: 71; Ruzsky, 1903b: 314; Ruzsky, 1905b: 628; Emery, 1909a: 23; Emery, 1922e: 126; Karavaiev, 1927a: 288; Karavaiev, 1929b: 210; Karavaiev, 1931a: 315; Karavaiev, 1934: 115; Bernard, 1956c: 302 (in key); Pisarski, 1962a: 331; Pisarski, 1967: 388; Pisarski, 1969b: 297; Pisarski, 1970: 308; Tarbinsky, 1976: 72; Arnol'di & Dlussky, 1978: 538 (in key); Pisarski & Krzysztofiak, 1981: 156;

Kugler, J. 1984: 8; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 276 (in key); Atanassov & Dlussky, 1992: 174; Bolton, 1995b: 133; Radchenko, 1995b: 450; Collingwood & Heatwole, 2000: 8; Karaman, M.G. & Karaman, 2003: 42; Seifert, 2003a: 262 (redescription); Markó, Sipos, *et al.* 2006: 69; Petrov, 2006: 99 (in key); Gratiashvili & Barjadze, 2008: 138; Paknia, *et al.* 2008: 153; Lapeva-Gjonova, *et al.* 2010: 27; Legakis, 2011: 16; Borowiec, L. & Salata, 2012: 485; Guénard & Dunn, 2012: 41; Kiran & Karaman, 2012: 18; Borowiec, L. 2014: 49; Lebas, *et al.* 2016: 266; Radchenko, 2016: 237; Salata & Borowiec, 2018c: 44.

Senior synonym of *bogdanovi*: Seifert, 2003a: 262; Gratiashvili & Barjadze, 2008: 138; Radchenko, 2016: 237.

Senior synonym of *montandoni*: Pisarski, 1962a: 332; Arnol'di & Dlussky, 1978: 538 (in key); Bolton, 1995b: 133; Radchenko, 1995b: 450; Seifert, 2003a: 262; Radchenko, 2016: 237.

Senior synonym of *taurica*: Arnol'di & Dlussky, 1978: 538 (in key); Bolton, 1995b: 133; Radchenko, 1995b: 450; Seifert, 2003a: 262; Radchenko, 2016: 237.

strigifrons. *Cardiocondyla nuda* subsp. *strigifrons* Viehmeyer, 1922: 211 (w.) INDONESIA (Java).

Seifert, 2003a: 256 (q.).

Subspecies of *nuda*: Bolton, 1995b: 133.

Status as species: Seifert, 2003a: 255 (redescription); Seifert, Okita & Heinze, 2017: 344.

taurica. *Cardiocondyla stambuloffii* subsp. *taurica* Karavaiev, 1927a: 288, fig. 2 (w.) RUSSIA (Crimea).

Subspecies of *stambuloffii*: Karavaiev, 1929b: 210; Karavaiev, 1931a: 315; Arnol'di, 1933b: 599 (in key); Karavaiev, 1934: 115 (redescription); Karavaiev, 1935b: 108; Karavaiev, 1936: 277.

Junior synonym of *stambuloffii*: Arnol'di & Dlussky, 1978: 538 (in key); Bolton, 1995b: 133; Radchenko, 1995b: 450; Seifert, 2003a: 262; Radchenko, 2016: 237.

tenuifrons. *Cardiocondyla tenuifrons* Seifert, 2003a: 243, fig. 24 (w.) JORDAN.

Status as species: Borowiec, L. 2014: 49.

thoracica. *Myrmica thoracica* Smith, F. 1859a: 148 (w.) INDONESIA (Aru Is).

Combination in *Cardiocondyla*: Donisthorpe, 1932c: 455.

Status as species: Mayr, 1863: 435; Smith, F. 1871a: 325; Dalla Torre, 1893: 118; Donisthorpe, 1932c: 455; Chapman & Capco, 1951: 130; Bolton, 1995b: 133.

tibetana. *Cardiocondyla tibetana* Seifert, 2003a: 269, fig. 49 (w.) CHINA (Tibet).

Status as species: Guénard & Dunn, 2012: 41.

tiwarii. *Cardiocondyla tiwarii* Ghosh, Sheela & Kundu, 2005: 20, figs. A, B (w.) INDIA (West Bengal).

Status as species: Bharti, Guénard, *et al.* 2016: 34.

tjibodana. *Cardiocondyla tjibodana* Karavaiev, 1935a: 87, fig. 13 (w.) INDONESIA (Java).

Seifert, 2003a: 288 (q.).

Status as species: Chapman & Capco, 1951: 84; Bolton, 1995b: 133; Seifert, 2003a: 287 (redescription); Clouse, 2007b: 231; Pfeiffer, *et al.* 2011: 44.

torretassoi. *Cardiocondyla elegans* var. *torretassoi* Finzi, 1936: 167 (w.) EGYPT.

Subspecies of *elegans*: Menozzi, 1940: 268; Bolton, 1995b: 133.

Status as species: Kugler, J. 1988: 258; Radchenko, 1995b: 451.

Junior synonym of *nigra*: Seifert, 2003a: 240.

tsukuyomi. *Cardiocondyla tsukuyomi* Terayama, 1999d: 101, figs. 11-13 (w.q.m. ergatoid m.) JAPAN (Nansei Is, Ogasawara Is).

Status as species: Imai, et al. 2003: 153.

Junior synonym of *minutior*: Seifert, 2003a: 283.

ulianini. *Cardiocondyla elegans* var. *ulianini* Emery, 1889a: 441 (w.) UZBEKISTAN.

[Misspelled as *uljanini* by Dalla Torre, 1893: 70, Ruzsky, 1905b: 627, Emery, 1922e: 125, and others.]

Karavaiev, 1910b: 57 (q.); Wheeler, G.C. & Wheeler, J. 1953d: 188 (l.); Marikovsky & Yakushkin, 1974: 57 (w.q.m., ergatoids); Tarbinsky, 1976: 74 (m.).

Subspecies of *elegans*: Dalla Torre, 1893: 70; Ruzsky, 1903b: 313; Ruzsky, 1905b: 627; Emery, 1909a: 22; Karavaiev, 1910b: 56; Emery, 1922e: 125; Kuznetsov-Ugamsky, 1923: 254; Schkaff, 1925: 274; Kuznetsov-Ugamsky, 1927d: 38; Pisarski, 1967: 388; Tarbinsky, 1976: 74 (redescription); Dlussky, 1981a: 17; Dlussky & Zabelin, 1985: 213.

Junior synonym of *elegans*: Dlussky, Soyunov & Zabelin, 1990: 194; Bolton, 1995b: 133; Radchenko, 1995b: 449.

Status as species: Marikovsky & Yakushkin, 1974: 57; Agosti & Collingwood, 1987a: 56; Agosti & Collingwood, 1987b: 276 (in key); Seifert, 2003a: 229 (redescription); Petrov, 2006: 99 (in key); Schultz, R. et al. 2006: 206; Guénard & Dunn, 2012: 41; Borowiec, L. 2014: 49; Radchenko, 2016: 235.

Senior synonym of *schkaffi*: Radchenko, 2016: 235.

unicalis. *Cardiocondyla unicalis* Seifert, 2003a: 262, fig. 42 (w.) IRAN.

Status as species: Paknia, et al. 2008: 153; Borowiec, L. 2014: 49.

venustula. *Cardiocondyla venustula* Wheeler, W.M. 1908a: 128, pl. 11, fig. 5 (w.q.) PUERTO RICO.

Status as species: Wheeler, W.M. & Mann, 1914: 19; Emery, 1922e: 126; Wheeler, W.M. 1936b: 199; Smith, M.R. 1937: 836; Smith, M.R. 1944a: 37 (redescription); Smith, M.R. 1944d: 15; Creighton, 1950a: 198; Smith, M.R. 1951a: 807; Kempf, 1972a: 74; Alayo, 1974: 12 (in key); Mackay, 1995: 171 (in key); Smith, D.R. 1979: 1376; Deyrup, et al. 1989: 95; Bolton, 1995b: 133; Deyrup, et al. 2000: 297; Deyrup, 2003: 44; Seifert, 2003a: 257 (redescription); Wetterer, et al. 2016: 10; Deyrup, 2017: 57; Lubertazzi, 2019: 98.

Senior synonym of *badonei*: Seifert, 2003a: 257.

Senior synonym of *globinodis*: Seifert, 2003a: 257.

wasmanni. *Cardiocondyla wasmanni* Santschi, 1926b: 241 (w.) CAMEROON.

[Justified emendation of spelling to *wasmanni*: Santschi, 1932a: 387.]

Subspecies of *shuckardi*: Santschi, 1932a: 387.

Junior synonym of *shuckardi*: Bolton, 1982: 316; Bolton, 1995b: 133.

weserka. *Cardiocondyla weserka* Bolton, 1982: 317, fig. 6 (w.) CAMEROON.

Status as species: Bolton, 1995b: 133; Rigato, 2002: 172 (in key); Seifert, 2003a: 280 (redescription).

wheeleri. *Cardiocondyla wheeleri* Viehmeyer, 1914c: 518, fig. 2 (w.) NEW GUINEA (Papua New Guinea).

Status as species: Emery, 1922e: 126; Chapman & Capco, 1951: 84; Bolton, 1995b: 133.

wroughtonii. *Emeryia wroughtonii* Forel, 1890b: cxi (w.) INDIA (Maharashtra).

[Note: holotype is an ergatoid male, not a worker.]

Forel, 1903a: 689 (w.q.); Borgmeier, 1937a: 129 (ergatoid m.); Kugler, J. 1984: 7 (m., ergatoid m.).

Combination in *Cardiocondyla*: Forel, 1892h: 461; Forel, 1892i: 313.

Status as species: Forel, 1892h: 461; Forel, 1892i: 313; Dalla Torre, 1893: 71; Emery, 1900d: 680; Forel, 1901b: 12; Dahl, 1901: 20; Forel, 1903a: 689; Bingham, 1903: 287; Emery, 1922e: 126; Crawley, 1924: 394; Wheeler, W.M. 1927h: 87; Wheeler, W.M. 1929g: 43; Borgmeier, 1937a: 129; Creighton, 1950a: 199; Chapman & Capco, 1951: 84; Wilson & Taylor, 1967: 56; Smith, D.R. 1979: 1376; Onoyama, 1980: 198; Bolton, 1982: 317 (redescription); Kugler, J. 1984: 7; Collingwood, 1985: 257; Taylor, 1987a: 16; Kugler, J. 1988: 258; Deyrup, *et al.* 1989: 95; Brandão, 1991: 336; Ogata, 1991b: 99; Morisita, *et al.* 1992: 32; Bolton, 1995b: 133; Mackay, 1995: 171 (in key) Wu, J. & Wang, 1995: 68; Collingwood & Agosti, 1996: 327; Deyrup, *et al.* 2000: 297; Mohamed, Zalat, *et al.* 2001: 50; Zhou, 2001b: 86; Rigato, 2002: 172 (in key); Deyrup, 2003: 44; Imai, *et al.* 2003: 153; Lin & Wu, 2003: 63; Seifert, 2003a: 269 (redescription); Jaitrong & Nabhitabhata, 2005: 16; Zhou, 2006: 583; Framenau & Thomas, 2008: 67; Terayama, 2009: 179; Vonshak, *et al.* 2009: 41; Pfeiffer, *et al.* 2011: 44; Guénard & Dunn, 2012: 41; Hita Garcia, *et al.* 2013: 208; Borowiec, L. 2014: 49; Ramage, 2014: 172; Bharti, Guénard, *et al.* 2016: 34; Jaitrong, Guénard, *et al.* 2016: 34; Deyrup, 2017: 57; Dekoninck, *et al.* 2019: 1153; Fernández & Serna, 2019: 820.

Senior synonym of *bimaculata*: Smith, D.R. 1979: 1376; Bolton, 1995b: 133; Mohamed, Zalat, *et al.* 2001: 50; Zhou, 2001b: 86; Seifert, 2003a: 269; Terayama, 2009: 179.

Senior synonym of *chlorotica*: Bolton, 1982: 317; Bolton, 1995b: 133; Zhou, 2001b: 86.

Senior synonym of *hawaiensis*: Wilson & Taylor, 1967: 56; Smith, D.R. 1979: 1376; Bolton, 1982: 317; Kugler, J. 1984: 6; Bolton, 1995b: 133; Mohamed, Zalat, *et al.* 2001: 50; Zhou, 2001b: 86; Seifert, 2003a: 269.

Senior synonym of *longispina*: Seifert, 2003a: 269.

Senior synonym of *quadraticeps*: Seifert, 2003a: 269.

Senior synonym of *yamauchii*: Seifert, 2003a: 269.

yamauchii. *Cardiocondyla yamauchii* Terayama, 1999d: 104, figs. 14-19 (w.q.m. ergatoid m.) JAPAN (Okinawa I.).

Status as species: Imai, *et al.* 2003: 153.

Junior synonym of *wroughtonii*: Seifert, 2003a: 269.

yemeni. *Cardiocondyla yemeni* Collingwood & Agosti, 1996: 328, fig. 11 (w.) YEMEN.

Status as species: Seifert, 2003a: 281 (redescription); Borowiec, L. 2014: 49; Sharaf, Fisher, *et al.* 2018: 19.

yoruba. *Cardiocondyla yoruba* Rigato, 2002: 169, figs. 6, 7 (w.) NIGERIA.

zoserka. *Cardiocondyla zoserka* Bolton, 1982: 318 (q.) NIGERIA.

[Note: type-specimens are alate males, not queens as stated (Heinze, 2019: 4.)]

Status as species: Bolton, 1995b: 133; Heinze, 2019: 4.