

## NEW NAMES FOR THE PREOCCUPIED SPECIFIC AND SUBSPECIFIC EPITHETS IN THE GENUS *CAMPONOTUS* MAYR, 1861 (HYMENOPTERA: FORMICIDAE)

**Hüseyin Özdikmen\***

\* Gazi Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 06500 Ankara / TÜRKİYE. E-mail: ozdikmen@gazi.edu.tr

**[Özdikmen, H. 2010.** New names for the preoccupied specific and subspecific epithets in the genus *Camponotus* Mayr, 1861 (Hymenoptera: Formicidae). *Munis Entomology & Zoology*, 5 (2): 519-537]

ABSTRACT. According to the International Code of Zoological Nomenclature (ICZN, 1999), *Camponotus alii concolor* Dalla Torre, 1893; *Camponotus* (*Myrmobrachys*) *brasiliensis antennatus* Santschi, 1925; *Camponotus compressus nitens* Bernard, 1953; *Camponotus dentatus humeralis* Wheeler, 1934; *Camponotus foleyi hoggarensis* Bernard, 1953; *Camponotus fuscipennis* Carpenter, 1930; *Camponotus grandidieri mendax* Emery, 1895; *Camponotus hova luteolus* Emery, 1925; *Camponotus irritans puberulus* Emery, 1920; *Camponotus melanoticus nigrescens* Santschi, 1939; *Camponotus mutilatus luteiventris* Stitz, 1938; *Camponotus olivieri nitidior* Santschi, 1926; *Camponotus saussurei* Theobald, 1937 and *Camponotus transvaalensis arnoldi* Prins, 1965 are not correct because the specific or subspecific epithets are illegitimate. The author request the replacement names of the specific and subspecific epithets *concolor* Dalla Torre, 1893; *antennatus* Santschi, 1925; *nitens* Bernard, 1953; *humeralis* Wheeler, 1934; *hoggarensis* Bernard, 1953; *fuscipennis* Carpenter, 1930; *mendax* Emery, 1895; *luteolus* Emery, 1925; *puberulus* Emery, 1920; *nigrescens* Santschi, 1939; *luteiventris* Stitz, 1938; *nitidior* Santschi, 1926; *saussurei* Theobald, 1937 and *arnoldi* Prins, 1965 and he suggest *dallatorrei* nom. nov., *costaricanus* nom. nov., *bernardi* nom. nov., *fijianus* nom. nov., *pseudocompressus* nom. nov., *carpenteri* nom. nov., *eumendax* nom. nov., *cemeryi* nom. nov., *sumatranus* nom. nov., *kempfi* nom. nov., *stitzii* nom. nov., *zaireicus* nom. nov., *theobaldi* nom. nov. and *prinsi* nom. nov. respectively. Accordingly, new combinations are herein proposed for the species and subspecies: *Camponotus alii dallatorrei* nom. nov. pro *Camponotus alii concolor* Dalla Torre, 1893 syn. n., *Camponotus brasiliensis costaricanus* nom. nov. pro *Camponotus brasiliensis antennatus* Santschi, 1925 syn. n., *Camponotus compressus bernardi* nom. nov. pro *Camponotus compressus nitens* Bernard, 1953 syn. n., *Camponotus dentatus fijianus* nom. nov. pro *Camponotus dentatus humeralis* Wheeler, 1934 syn. n., *Camponotus foleyi pseudocompressus* nom. nov. pro *Camponotus foleyi hoggarensis* Bernard, 1953 syn. n., *Camponotus carpenteri* nom. nov. pro *Camponotus fuscipennis* Carpenter, 1930 syn. n., *Camponotus grandidieri eumendax* nom. nov. pro *Camponotus grandidieri mendax* Emery, 1895 syn. n., *Camponotus hova cemeryi* nom. nov. pro *Camponotus hova luteolus* Emery, 1925 syn. n., *Camponotus irritans sumatranus* nom. nov. pro *Camponotus irritans puberulus* Emery, 1920 syn. n., *Camponotus melanoticus kempfi* nom. nov. pro *Camponotus melanoticus nigrescens* Santschi, 1939 syn. n., *Camponotus mutilatus stitzii* nom. nov. pro *Camponotus mutilatus luteiventris* Stitz, 1938 syn. n., *Camponotus olivieri zaireicus* nom. nov. pro *Camponotus olivieri nitidior* Santschi, 1926 syn. n., *Camponotus theobaldi* nom. nov. pro *Camponotus saussurei* Théobald, 1937 syn. n., *Camponotus transvaalensis prinsi* nom. nov. pro *Camponotus transvaalensis arnoldi* Prins, 1965 syn. n..

KEY WORDS. Nomenclatural change, homonymy, replacement name, Hymenoptera, Formicidae, *Camponotus*.

**Family FORMICIDAE**  
**Genus CAMPONOTUS Mayr, 1861**

**Sp. CAMPONOTUS ALII Forel, 1890**  
**Ssp. CAMPONOTUS ALII DALLATORREI nom. nov.**

*Camponotus alii concolor* Dalla Torre, 1893. Catalogus hymenopterorum huiusque descriptorum systematicus et synonymicus. Vol. 7 Formicidae (Heterogyna). Lipsiae, 221. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus concolor* Forel, 1891. In: Grandidier, A. *Histoire Physique, Naturelle et Politique de Madagascar* 20. Histoire naturelle des Hyménoptères. 2 (fascicule 28). Les Formicides, 214. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus alii concolor* Dalla Torre, 1893 and *Camponotus concolor* Forel, 1891 were included in the family Formicidae.

The specific epithet *concolor* was initially introduced by Forel (1891) with the original combination *Camponotus concolor* Forel, 1891 from Madagascar. It is still used as a valid species name. According to Bolton (1995), it is a senior synonym of *Camponotus gallienii* Forel, 1916 that is an unnecessary replacement name.

Subsequently, Dalla Torre (1893) described a new variety of the species *Camponotus alii* from Algeria with the same subspecific epithet as *Camponotus alii* var. *concolor* Dalla Torre, 1893 by original combination. The name was firstly used by Forel (1890) as *Camponotus rubripes* r. *alii* var. *concolor*. However, it is an unavailable name. *Camponotus alii concolor* Dalla Torre, 1893 is also still used as a valid subspecies name.

*Camponotus concolor* Forel, 1891 has priority over *Camponotus alii concolor* Dalla Torre, 1893. Thus, *Camponotus alii concolor* Dalla Torre, 1893 is illegitimate and consequently can not be correct. The name *Camponotus alii concolor* Dalla Torre, 1893 is a primary junior homonym of the name *Camponotus concolor* Forel, 1891. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *concolor* Dalla Torre, 1893 the replacement name *dallatorrei* nom. nov..

Etimology: The name is dedicated to C. G. de Dalla Torre who is the current author of the preexisting subspecies *C. alii concolor*.

Summary of nomenclatural changes:

**Species** *Camponotus alii* Forel, 1890

[orig. comb.: *Camponotus rubripes* r. *alii* Forel, 1890 from Algeria; raised to species by Dalla Torre (1893)]

**Subspecies** *Camponotus alii alii* Forel, 1890

**Subspecies** *Camponotus alii auresi* Emery, 1920

[orig. comb.: *Camponotus (Myrmoturba) alii* var. *auresi* Emery, 1920 from Algeria. It was firstly used by Forel (1909) as *Camponotus maculatus alii* var. *auresi* Forel, 1909 that is an unavailable name]

**Subspecies** *Camponotus alii dallatorrei* **nom. nov.**

pro *Camponotus alii concolor* Dalla Torre, 1893 **syn. n.**, [nec *Camponotus concolor* Forel, 1891]

[orig. comb.: *Camponotus alii* var. *concolor* Dalla Torre, 1893 from Algeria. It was firstly used by Forel (1890) as *Camponotus rubripes* r. *alii* var. *concolor* Forel, 1890 that is an unavailable name]

**Subspecies** *Camponotus alii hoggarensis* Santschi, 1929

[orig. comb. *Camponotus (Myrmoturba) seurati* var. *hoggarensis* Santschi, 1929 from Algeria. It was ranked by Bernard (1953) as a subspecies of *alii*]

**Sp. CAMPONOTUS BRASILIENSIS** Mayr, 1862

**Ssp. CAMPONOTUS BRASILIENSIS COSTARICANUS** nom. nov.

*Camponotus brasiliensis antennatus* Santschi, 1925. Bull. An. Soc. Ent. Belg., 65, 246. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus canescens antennatus* Santschi, 1920. An. Soc. Cient. Argent., 89, 126. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus brasiliensis antennatus* Santschi, 1925 and *Camponotus canescens antennatus* Santschi, 1920 were included in the family Formicidae.

The subspecific epithet *antennatus* was initially introduced by Santschi (1920a) with the original combination *Camponotus (Myrmobrachys) canescens* var. *antennata* Santschi, 1920 from Bolivia. It is still used as a valid subspecies name of *C. canescens* Mayr, 1870.

Subsequently, Santschi (1925) also described a new variety of the species *Camponotus brasiliensis* from Costa Rica with the same subspecific epithet as *Camponotus (Myrmobrachys) brasiliensis* var. *antennatus* Santschi, 1925 by original combination. It is also still used as a valid subspecies name of the species *C. brasiliensis* Mayr, 1862.

*Camponotus canescens antennatus* Santschi, 1920 has priority over *Camponotus brasiliensis antennatus* Santschi, 1925. Thus, *Camponotus brasiliensis antennatus* Santschi, 1925 is illegitimate and consequently can not be correct. The name *Camponotus brasiliensis antennatus* Santschi, 1925 is a primary junior homonym of the name *Camponotus canescens antennatus* Santschi, 1920. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *antennatus* Santschi, 1925 the replacement name *costaricanus* nom. nov..

Etimology: from the country Costa Rica which is the distribution area of the subspecies.

Summary of nomenclatural changes:

**Species** *Camponotus brasiliensis* Mayr, 1862

[orig. comb.: *Camponotus brasiliensis* Mayr, 1862 from Brasil]

**Subspecies** *Camponotus brasiliensis brasiliensis* Mayr, 1862

**Subspecies** *Camponotus brasiliensis chacoensis* Mayr, 1862

[orig. comb.: *Camponotus (Myrmobrachys) brasiliensis* var. *chacoensis* Santschi, 1919 from Argentina]

**Subspecies** *Camponotus brasiliensis clivius* Mayr, 1862

[orig. comb.: *Camponotus (Myrmobrachys) crassus* var. *clivia* Emery, 1925 from Brasil. It was ranked by Kempf (1972) as a subspecies of *C. brasiliensis*. The name was

firstly used as *Camponotus crassus* r. *brasiliensis* var. *clivia* Forel, 1912 that is an unavailable name. ]

**Subspecies** *Camponotus brasiliensis costaricanus* **nom. nov.**

pro *Camponotus brasiliensis antennatus* Santschi, 1925 **syn. n.**, [nec *Camponotus canescens antennatus* Santschi, 1920]

[orig. comb.: *Camponotus (Myrmobrachys) brasiliensis* var. *antennatus* Santschi, 1925 from Costa Rica]

**Sp. CAMPONOTUS COMPRESSUS (Fabricius, 1787)**  
**Ssp. CAMPONOTUS COMPRESSUS BERNARDI nom. nov.**

*Camponotus compressus nitens* Bernard, 1953. Memoires de l'Institut Français d'Afrique Noire, 19, 194. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus nitens* Mayr, 1870. Sitzungsber. Kais. Akad. Wiss. Wien Math.-Naturwiss. Cl. Abt. I, 61, 378. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus compressus nitens* Bernard, 1953 and *Camponotus nitens* Mayr, 1870 were included in the family Formicidae.

The specific epithet *nitens* was initially introduced by Mayr (1870) with the original combination *Camponotus nitens* Mayr, 1870 from Colombia. It is still used as a valid species name.

Subsequently, Bernard (1953) described a new subspecies of the species *Camponotus compressus* (Fabricius, 1787) from Algeria with the same subspecific epithet as *Camponotus compressus nitens* Bernard, 1953 by original combination. It is also still used as a valid subspecies name.

*Camponotus nitens* Mayr, 1870 has priority over *Camponotus compressus nitens* Bernard, 1953. Thus, *Camponotus compressus nitens* Bernard, 1953 is illegitimate and consequently can not be correct. The name *Camponotus compressus nitens* Bernard, 1953 is a primary junior homonym of the name *Camponotus nitens* Mayr, 1870. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *nitens* Bernard, 1953 the replacement name *bernardi* nom. nov..

**Etimology:** The name is dedicated to F. Bernard who is the current author of the preexisting subspecies *C. compressus nitens*.

Summary of nomenclatural changes:

**Species** *Camponotus compressus* (Fabricius, 1787)

[orig. comb.: *Formica compressa* Fabricius, 1787 from India]

**Subspecies** *Camponotus compressus bernardi* **nom. nov.**

pro *Camponotus compressus nitens* Bernard, 1953 **syn. n.**, [nec *Camponotus nitens* Mayr, 1870]

[orig. comb.: *Camponotus compressus nitens* Bernard, 1953 from Algeria]

**Subspecies** *Camponotus compressus brullei* (Smith, 1858)

[orig. comb.: *Formica brullei* Smith, 1858 from Canary Islands. Replacement name for *Formica carinata* Brullé, 1840 that is a primary junior homonym of *Formica carinata* Fabricius, 1804]

**Subspecies** *Camponotus compressus compressus* (Fabricius, 1787)

**Subspecies** *Camponotus compressus cosensis* Finzi, 1939

[orig. comb.: *Camponotus (Tanaemyrmex) compressus* var. *cosensis* Finzi, 1939 from Greece. It was firstly used as *Camponotus maculatus* r. *sanctus* var. *cosensis* Forel, 1904 that is an unavailable name]

**Subspecies** *Camponotus compressus irakensis* Menozzi, 1927

[orig. comb.: *Camponotus (Tanaemyrmex) compressus* var. *irakensis* Menozzi, 1927 from Iraq]

**Subspecies** *Camponotus compressus martensi* Forel, 1907

[orig. comb.: *Camponotus maculates martensi* Forel, 1907 from Algeria]

**Subspecies** *Camponotus compressus occipitalis* Stitz, 1917

[orig. comb.: *Camponotus (Myrmoturba) maculatus* r. *occipitalis* Stitz, 1917 from Algeria]

**Subspecies** *Camponotus compressus probativus* Santschi, 1921

[orig. comb.: *Camponotus (Myrmoturba) compressus* st. *probativus* Santschi, 1921 from Mozambique]

**Subspecies** *Camponotus compressus rectinotus* Santschi, 1921

[orig. comb.: *Camponotus compressus* st. *rectinota* Santschi, 1921 from Libya. It was firstly used as *Camponotus (Myrmoturba) maculatus* r. *samius* var. *rectinotus* Stitz, 1917 that is an unavailable name]

**Subspecies** *Camponotus compressus symiensis* Forel, 1910

[orig. comb.: *Camponotus maculates symiensis* Forel, 1910 from Greece]

**Sp. CAMPONOTUS DENTATUS (Mayr, 1866)**  
**Ssp. CAMPONOTUS DENTATUS FIJIANUS nom. nov.**

*Camponotus dentatus humeralis* Wheeler, 1934. Ann. Entomol. Soc. Am., 27, 416. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus humeralis* Emery, 1920. Bull. Soc. Entomol. Ital., 52, 47. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus dentatus humeralis* Wheler, 1934 and *Camponotus humeralis* Emery, 1920 were included in the family Formicidae.

The specific epithet *humeralis* was initially introduced by Emery (1920a) with the original combination *Camponotus (Myrmeurynota) humeralis* Emery, 1920 from Peru. It is still used as a valid species name.

Subsequently, Wheeler (1934) described a new subspecies of the species *Camponotus dentatus* (Mayr, 1866) from Fiji Island with the same subspecific epithet as *Camponotus (Colobopsis) dentatus humeralis* Wheeler, 1934 by original combination. It is also still used as a valid subspecies name.

*Camponotus humeralis* Emery, 1920 has priority over *Camponotus dentatus humeralis* Wheler, 1934. Thus, *Camponotus dentatus humeralis* Wheler, 1934 is illegitimate and consequently can not be correct. The name *Camponotus dentatus humeralis* Wheler, 1934 is a primary junior homonym of the name *Camponotus humeralis* Emery, 1920. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *humeralis* Wheler, 1934 the replacement name *fijianus* nom. nov..

**Etymology:** from the country Fiji which is the distribution area of the subspecies.

Summary of nomenclatural changes:

**Species** *Camponotus dentatus* (Mayr, 1866)  
[orig. comb.: *Colobopsis dentata* Mayr, 1866 from Fiji Island]

**Subspecies** *Camponotus dentatus dentatus* (Mayr, 1866)

**Subspecies** *Camponotus dentatus fijianus* **nom. nov.**  
pro *Camponotus dentatus humeralis* Wheeler, 1934 **syn. n.**, [nec *Camponotus humeralis* Emery, 1920]  
[orig. comb.: *Camponotus (Colobopsis) dentatus humeralis* Wheeler, 1934 from Fiji Island]

**Sp. CAMPONOTUS FOLEYI SANTSCHI, 1939**

**Ssp. CAMPONOTUS FOLEYI PSEUDOCOMPRESSUS nom. nov.**

*Camponotus foleyi hoggarensis* Bernard, 1953. Memoires de l'Institut Français d'Afrique Noire, 19, 191. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus alii hoggarensis* Santschi, 1929. Bull. Soc. Hist. Nat. Afr. Nord, 20, 104. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus foleyi hoggarensis* Bernard, 1953 and *Camponotus alii hoggarensis* Santschi, 1929 were included in the family Formicidae.

The subspecific epithet *hoggarensis* was initially introduced by Santschi (1929) with the original combination *Camponotus (Myrmoturba) seurati* var. *hoggarensis* Santschi, 1929 from Algeria. It was transferred by Bernard (1953) to the species *Camponotus alii* as a subspecies. It is still used as a valid subspecies name.

Subsequently, Bernard (1953) described a new subspecies of the species *Camponotus foleyi* Santschi, 1939 from Algeria with the same subspecific epithet as *Camponotus (Tanaemyrmex) foleyi hoggarensis* Bernard, 1953 by original combination. It was firstly used as *Camponotus (Tanaemyrmex) compressus foleyi* var. *hoggarensis* Bernard, 1948 that is an unavailable name. *Camponotus foleyi hoggarensis* Bernard, 1953 is also still used as a valid subspecies name.

*Camponotus alii hoggarensis* Santschi, 1929 has priority over *Camponotus foleyi hoggarensis* Bernard, 1953. Thus, *Camponotus foleyi hoggarensis* Bernard, 1953 is illegitimate and consequently can not be correct. The name *Camponotus foleyi hoggarensis* Bernard, 1953 is a primary junior homonym of the name *Camponotus alii hoggarensis* Santschi, 1929. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *hoggarensis* Bernard, 1953 the replacement name *pseudocompressus* **nom. nov.**

Summary of nomenclatural changes:

**Species** *Camponotus foleyi* Santschi, 1939  
[orig. comb.: *Camponotus compressus* st. *foleyi* Santschi, 1939 from Algeria; raised to species by Bernard (1953)]

**Subspecies** *Camponotus foleyi ajjer* Bernard, 1953  
[orig. comb.: *Camponotus foleyi ajjer* Bernard, 1953 from Algeria]

**Subspecies** *Camponotus foleyi fezzanensis* Bernard, 1953

[orig. comb.: *Camponotus (Tanaemyrmex) foleyi fezzanensis* Bernard, 1953 from Algeria. It was firstly used as *Camponotus (Tanaemyrmex) compressus foleyi* var. *fezzanensis* Bernard, 1948 that is an unavailable name]

**Subspecies** *Camponotus foleyi foleyi* Santschi, 1939**Subspecies** *Camponotus foleyi grasi* Bernard, 1953

[orig. comb.: *Camponotus (Tanaemyrmex) foleyi grasi* Bernard, 1953 from Algeria. It was firstly used as *Camponotus (Tanaemyrmex) compressus foleyi* var. *grasi* Bernard, 1948 that is an unavailable name]

**Subspecies** *Camponotus foleyi lelubrei* Bernard, 1953

[orig. comb.: *Camponotus foleyi lelubrei* Bernard, 1953 from Algeria]

**Subspecies** *Camponotus foleyi pseudocompressus* **nom. nov.**

pro *Camponotus foleyi hoggarensis* Bernard, 1953 **syn. n.**, [nec *Camponotus alii hoggarensis* Santschi, 1929]

[orig. comb.: *Camponotus (Tanaemyrmex) foleyi hoggarensis* Bernard, 1953 from Algeria]

**Subspecies** *Camponotus foleyi rufescens* Bernard, 1953

[orig. comb.: *Camponotus (Tanaemyrmex) foleyi rufescens* Bernard, 1953 from Algeria. It was firstly used as *Camponotus (Tanaemyrmex) compressus foleyi* var. *rufescens* Bernard, 1948 that is an unavailable name]

**Sp. CAMPONOTUS CARPENTERI nom. nov.**

*Camponotus fuscipennis* Carpenter, 1930. Bull. Mus. Comp. Zool. Harv., 70, 59. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus fuscipennis* (Wheeler, 1915). Schr. Phys.-Ökon. Ges. Königsb. 55, 136. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus fuscipennis* Carpenter, 1930 and *Camponotus fuscipennis* Wheeler, 1915 were included in the family Formicidae.

The specific epithet *fuscipennis* was initially introduced by Wheeler (1915) with the original combination *Drymomymex fuscipennis* Wheeler, 1915 from Baltic Amber. Dlussky (1997) transferred it in the genus *Camponotus*. It is still used as a valid species name.

However, the species *Camponotus fuscipennis* was described by Carpenter (1930) from U.S.A. with the same specific epithet. It is also still used as a valid species name.

*Camponotus fuscipennis* Wheeler, 1915 has priority over *Camponotus fuscipennis* Carpenter, 1930. Thus, *Camponotus fuscipennis* Carpenter, 1930 is illegitimate and consequently can not be correct. The name *Camponotus fuscipennis* Carpenter, 1930 is a secondary junior homonym of the name *Camponotus fuscipennis* Wheeler, 1915. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the specific epithet *fuscipennis* Carpenter, 1930 the replacement name *carpenteri* **nom. nov.**

Etymology: The name is dedicated to F. M. Carpenter who is the current author of the preexisting species *C. fuscipennis*.

Summary of nomenclatural changes:

**Species** *Camponotus carpenteri* **nom. nov.**

pro *Camponotus fuscipennis* Carpenter, 1930 **syn. n.**, [nec *Camponotus fuscipennis* Wheeler, 1915]

[orig. comb.: *Camponotus fuscipennis* Carpenter, 1930 from U.S.A]

**Sp. CAMPONOTUS GRANDIDIERI** Forel, 1886  
**Ssp. CAMPONOTUS GRANDIDIERI EUMENDAX** **nom. nov.**

*Camponotus grandidieri mendax* Emery, 1895. Ann. Soc. Ent. Fr., 64, 54. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus mendax* Forel, 1895. Journal of the Bombay Natural History Society, 9, 454. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus grandidieri mendax* Emery, 1895 and *Camponotus mendax* Forel, 1895 were included in the family Formicidae.

The specific epithet *mendax* was initially introduced by Forel (1895) in *Journal of the Bombay Natural History Society*, 9: 454 [Date of publication 20.06.1895] with the original combination *Camponotus sericeus* var. *mendax* Forel, 1895 from India. It was raised to the species by Bingham (1903). It is still used as a valid species name.

In the same year, Emery in *Annales de la Société Entomologique de France*, 64: 54 [Date of publication 16.07/08.1895] described a new subspecies of the species *Camponotus foraminosus* Forel, 1879 from South Africa with the same subspecific epithet as *Camponotus foraminosus mendax* Emery, 1895 by original combination. It was transferred to the species *C. grandidieri* by Santschi (1915). It is also still used as a valid subspecies name.

*Camponotus mendax* Forel, 1895 has priority over *Camponotus grandidieri mendax* Emery, 1895. Thus, *Camponotus grandidieri mendax* Emery, 1895 is illegitimate and consequently can not be correct. The name *Camponotus grandidieri mendax* Emery, 1895 is a primary junior homonym of the name *Camponotus mendax* Forel, 1895. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *mendax* Emery, 1895 the replacement name *eumendax* **nom. nov.**

Summary of nomenclatural changes:

**Species** *Camponotus grandidieri* Forel, 1886

[orig. comb.: *Camponotus grandidieri* Forel, 1886 from Madagascar]

= *Camponotus grandidieri* Forel, 1879 [*nomen nudum*]

**Subspecies** *Camponotus grandidieri atrabilis* Santschi, 1915

[orig. comb.: *Camponotus (Myrmotrema) grandidieri* var. *atrabilis* Santschi, 1915 from Madagascar]

**Subspecies** *Camponotus grandidieri comorensis* Santschi, 1915

[orig. comb.: *Camponotus (Myrmotrema) grandidieri* var. *comorensis* Santschi, 1915 from Comoro Island]

**Subspecies** *Camponotus grandidieri eumendax* **nom. nov.**

pro *Camponotus grandidieri mendax* Emery, 1895 **syn. n.**, [nec *Camponotus mendax* Forel, 1895]

[orig. comb.: *Camponotus foraminosus mendax* Emery, 1895 from South Africa]



**Subspecies** *Camponotus grandidieri grandidieri* Forel, 1886

**Subspecies** *Camponotus grandidieri ruspolii* Forel, 1892

[orig. comb.: *Camponotus foraminosus* r. *ruspolii* Forel, 1892 from Somalia. It was ranked by Santschi (1915) as a subspecies of *Camponotus foraminosus*]

**Sp. CAMPONOTUS HOVA** Forel, 1891

**Ssp. CAMPONOTUS HOVA CEMERYI** nom. nov.

*Camponotus hova luteolus* Emery, 1925. In Wytsman, P., Genera Insectorum. Fasc. 183, 85. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus bonariensis luteolus* Emery, 1906. Bull. Soc. Entomol. Ital., 37, 188. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus hova luteolus* Emery, 1925 and *Camponotus bonariensis luteolus* Emery, 1906 were included in the family Formicidae.

The subspecific epithet *luteolus* was initially introduced by Emery (1906) with the original combination *Camponotus maculatus luteolus* Emery, 1906 from Argentina. It was transferred by Emery (1920b) to the species *C. bonariensis* Mayr, 1868. It is still used as a valid subspecies name.

Subsequently, Emery (1925) described a new variety of the species *Camponotus hova* Forel, 1891 from Madagascar with the same subspecific epithet as *Camponotus (Tanaemyrmex) hova* var. *luteolus* Emery, 1925 by original combination. It was firstly used as *Camponotus maculatus* r. *hova* var. *luteolus* Forel, 1897 that is an unavailable name. It is also still used as a valid subspecies name.

*Camponotus bonariensis luteolus* Emery, 1906 has priority over *Camponotus hova luteolus* Emery, 1925. Thus, *Camponotus hova luteolus* Emery, 1925 is illegitimate and consequently can not be correct. The name *Camponotus hova luteolus* Emery, 1925 is a primary junior homonym of the name *Camponotus bonariensis luteolus* Emery, 1906. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *luteolus* Emery, 1925 the replacement name *cemeryi* nom. nov..

Etimology: The name is dedicated to C. Emery who is the current author of the preexisting subspecies *C. hova luteolus*.

Summary of nomenclatural changes:

**Species** *Camponotus hova* Forel, 1891

[orig. comb.: *Camponotus maculatus* r. *hova* Forel, 1891 from Madagascar. It was firstly used as *Camponotus rubripes* r. *maculatus* var. *hova* Forel, 1886 that is an unavailable name]

**Subspecies** *Camponotus hova becki* Santschi, 1923

[orig. comb.: *Camponotus (Myrmoturba) radamae* st. *becki* Santschi, 1923 from Madagascar. It was firstly used as *Camponotus (Myrmoturba) maculatus* r. *radamae* var. *becki* Forel, 1914 that is an unavailable name. It was transferred to the species *C. hova* by Bolton (1995) as a subspecies]

**Subspecies** *Camponotus hova boivini* Forel, 1891

[orig. comb.: *Camponotus maculatus* r. *boivini* Forel, 1891 from Madagascar]

**Subspecies *Camponotus hova cemeryi* nom. nov.**

pro *Camponotus hova luteolus* Emery, 1925 **syn. n.**, [nec *Camponotus bonariensis luteolus* Emery, 1906]

[orig. comb.: *Camponotus (Tanaemyrmex) hova* var. *luteolus* Emery, 1925 from Madagascar. It was firstly used as *Camponotus maculatus* r. *hova* var. *luteolus* Forel, 1897 that is an unavailable name]

**Subspecies *Camponotus hova fairmairei* Santschi, 1911**

[orig. comb.: *Camponotus maculatus* st. *fairmairei* Santschi, 1911 from Madagascar]

**Subspecies *Camponotus hova fulvus* Emery, 1894**

[orig. comb.: *Camponotus maculatus fulvus* Emery, 1894 from Seychelle Island. It was transferred by Emery (1920) to the species *C. hova*]

**Subspecies *Camponotus hova hova* Forel, 1891****Subspecies *Camponotus hova hovahoides* Forel, 1892**

[orig. comb.: *Camponotus hovahovoides* Forel, 1892 from Madagascar. It was regarded as a variety of *C. hova* by Dalla Torre (1893)]

**Subspecies *Camponotus hova hovooides* Dalla Torre, 1893**

[orig. comb.: *Camponotus radamae* var. *hovooides* Dalla Torre, 1893 from Madagascar. It was firstly used as *Camponotus maculatus* r. *radamae* var. *hovooides* Forel, 1891 that is an unavailable name. It was regarded as a variety of *C. hova* by Santschi (1911) and Emery (1925)]

**Subspecies *Camponotus hova mixtellus* Dalla Torre, 1893**

[orig. comb.: *Camponotus radamae* var. *mixtellus* Dalla Torre, 1893 from Madagascar. It was firstly used as *Camponotus maculatus* r. *radamae* var. *mixtellus* Forel, 1891 that is an unavailable name. It was regarded as a variety of *C. hova* by Emery (1925)]

**Subspecies *Camponotus hova obscuratus* Emery, 1925**

[orig. comb.: *Camponotus (Tanaemyrmex) hova* var. *obscurata* Emery, 1925 from Madagascar. It was firstly used as *Camponotus maculatus* subsp. *radamae* var. *obscurata* Forel, 1907 that is an unavailable name]

**Subspecies *Camponotus hova pictiventris* Mayr, 1901**

[orig. comb.: *Camponotus maculatus pictiventris* Mayr, 1901 from South Africa. It was regarded as a subspecies of *C. hova* by Emery (1920, 1925)]

**Subspecies *Camponotus hova radamae* Forel, 1891**

[orig. comb.: *Camponotus maculatus* r. *radamae* Forel, 1891 from Madagascar. It was regarded as a subspecies of *C. hova* by Emery (1920, 1925)]

**Sp. *CAMPONOTUS IRRITANS* (Smith, 1857)  
Ssp. *CAMPONOTUS IRRITANS SUMATRANUS* nom. nov.**

*Camponotus irritans puberulus* Emery, 1920. Bull. Soc. Entomol. Ital., 52, 7. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus puberulus* Emery, 1897. Annali del Museo Civico di Storia Naturale di Genova, (2) 18, 604. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus irritans puberulus* Emery, 1920 and *Camponotus puberulus* Emery, 1897 were included in the family Formicidae.

The specific epithet *puberulus* was initially introduced by Emery (1897a) with the original combination *Camponotus carbo puberulus* Emery, 1897 from Somalia. It was raised to species by Santschi (1915) and Emery (1925). It is still used as a valid species name.

Subsequently, Emery (1920a) described a new subspecies of the species *Camponotus irritans* (Smith, 1857) from Sumatra with the same subspecific epithet as *Camponotus irritans puberula* Emery, 1920 by original combination. It was firstly used as *Camponotus maculatus subnudus* var. *puberula* Emery, 1900 that is an unavailable name. It is also still used as a valid subspecies name.

*Camponotus puberulus* Emery, 1897 has priority over *Camponotus irritans puberulus* Emery, 1920. Thus, *Camponotus irritans puberulus* Emery, 1920 is illegitimate and consequently can not be correct. The name *Camponotus irritans puberulus* Emery, 1920 is a primary junior homonym of the name *Camponotus puberulus* Emery, 1897. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *puberulus* Emery, 1920 the replacement name *sumatranus* nom. nov..

Etimology: from the country Sumatra which is the distribution area of the subspecies.

Summary of nomenclatural changes:

**Species** *Camponotus irritans* (Smith, 1857)

[orig. comb.: *Formica irritans* Smith, 1857 from W Malaysia. The combination in *Camponotus* was carried out by Roger (1863)]

**Subspecies** *Camponotus irritans carensis* Emery, 1920

[orig. comb.: *Camponotus (Myrmoturba) irritans carensis* Emery, 1920 from Nicobar Island]

**Subspecies** *Camponotus irritans carinifer* Viehmeyer, 1916

[orig. comb.: *Camponotus (Myrmoturba) tinctus* var. *carinifer* Viehmeyer, 1916 from Singapore. It was ranked as a subspecies of *C. irritans* by Bolton (1995)]

**Subspecies** *Camponotus irritans cliens* Forel, 1911

[orig. comb.: *Camponotus maculatus cliens* Forel, 1911 from Java. It was transferred to the species *C. irritans* by Emery (1920a)]

**Subspecies** *Camponotus irritans croceomaculatus* Emery, 1914

[orig. comb.: *Camponotus (Myrmoturba) croceomaculatus* Emery, 1914 from New Caledonia. It was ranked to the species *C. irritans* by Emery (1920a) as a subspecies]

**Subspecies** *Camponotus irritans curtus* Emery, 1900

[orig. comb.: *Camponotus maculatus curtus* Emery, 1900 from Indonesia. It was transferred to the species *C. irritans* by Emery (1920a)]

**Subspecies** *Camponotus irritans fatuus* Forel, 1886

[orig. comb.: *Camponotus kubaryi* r. *fatuus* Forel, 1886 from Sumatra. It was transferred to the species *C. irritans* by Emery (1920a) as a subspecies]

**Subspecies** *Camponotus irritans hongkongensis* Forel, 1912

[orig. comb.: *Camponotus maculatus hongkongensis* Forel, 1912 from Hong Kong. It was transferred to the species *C. irritans* by Emery (1920a)]

**Subspecies** *Camponotus irritans inferior* Emery, 1925

[orig. comb.: *Camponotus (Tanaemyrmex) irritans* var. *inferior* Emery, 1925 from Borneo. It was firstly used as *Camponotus maculatus irritans* var. *inferior* Forel, 1911 that is an unavailable name]

**Subspecies** *Camponotus irritans irritans* (Smith, 1857)

**Subspecies** *Camponotus irritans kubaryi* Mayr, 1876

[orig. comb.: *Camponotus kubaryi* Mayr, 1876 from Palau Island. It was regarded as a subspecies of *C. irritans* by Emery (1920a)]

**Subspecies** *Camponotus irritans melanogaster* Stitz, 1938

[orig. comb.: *Camponotus (Tanaemyrmex) irritans* var. *melanogaster* Stitz, 1938 from Caroline Island]

**Subspecies** *Camponotus irritans pallidus* (Smith, 1857)

[orig. comb.: *Formica pallida* Smith, 1857 from Borneo. It is a primary junior homonym of *Formica pallida* Latreille, 1798 (now in *Lasius*). The combination in *Camponotus* was carried out by Mayr (1862). It was regarded as a subspecies of *C. irritans* by Emery (1920a)]

**Subspecies** *Camponotus irritans procax* Santschi, 1919

[orig. comb.: *Camponotus (Myrmoturba) maculatus* st. *procax* Santschi, 1919 from Vietnam. It was regarded as a subspecies of *C. irritans* by Santschi (1920b) and Emery (1920a)]

**Subspecies** *Camponotus irritans sumatranus* **nom. nov.**

pro *Camponotus irritans puberulus* Emery, 1920 **syn. n.**, [nec *Camponotus puberulus* Emery, 1897]

[orig. comb.: *Camponotus irritans puberula* Emery, 1920 from Sumatra. It was firstly used as *Camponotus maculatus subnudus* var. *puberula* Emery, 1900 that is an unavailable name]

**Subspecies** *Camponotus irritans tinctus* (Smith, 1858)

[orig. comb.: *Formica tincta* Smith, 1858 from Burma. The combination in *Camponotus* was carried out by Mayr (1862). It was regarded as a subspecies of *C. irritans* by Emery (1920a)]

**Sp. CAMPONOTUS MELANOTICUS Emery, 1894**  
**Ssp. CAMPONOTUS MELANOTICUS KEMPFII nom. nov.**

*Camponotus melanoticus nigrescens* Santschi, 1939. Rev. Entomol. (Rio J.), 10, 324. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus ligniperdus nigrescens* Gösswald, 1932. Zeitschr. f. wiss. Zool., 142, 147. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus melanoticus nigrescens* Santschi, 1939 and *Camponotus ligniperdus nigrescens* Gösswald, 1932 were included in the family Formicidae.

The subspecific epithet *nigrescens* was initially introduced by Gösswald (1932) with the original combination *Camponotus ligniperdus* var. *nigrescens* Gösswald, 1932 from Germany. It is still used as a valid subspecies name.

Subsequently, Santschi (1939) described a new variety of the species *Camponotus melanoticus* Emery, 1894 from Brasil with the same subspecific epithet as *Camponotus melanoticus* var. *nigrescens* Santschi, 1939 by original combination. The combination in *Camponotus (Tanaemyrmex)* was carried out by Kempf (1972).

*Camponotus ligniperdus nigrescens* Gösswald, 1932 has priority over *Camponotus melanoticus nigrescens* Santschi, 1939. Thus, *Camponotus melanoticus nigrescens* Santschi, 1939 is illegitimate and consequently can not be correct. The name *Camponotus melanoticus nigrescens* Santschi, 1939 is a primary junior homonym of the name *Camponotus ligniperdus nigrescens*

Gösswald, 1932. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *nigrescens* Santschi, 1939 the replacement name *kempfi* nom. nov..

**Etymology:** This name is dedicated to the memory of well known scientist Walter Wolfgang Kempf (Germany, 1920-1976).

Summary of nomenclatural changes:

**Species** *Camponotus melanoticus* Emery, 1894

[orig. comb.: *Camponotus sexguttatus* var. *melanoticus* Emery, 1894 from Bolivia; raised to species by Forel (1899)]

**Subspecies** *Camponotus melanoticus catharinae* Santschi, 1939

[orig. comb.: *Camponotus melanoticus* var. *catharinae* Santschi, 1939 from Brasil. The combination in *Camponotus (Tanaemyrmex)* was carried out by Kempf (1972)]

**Subspecies** *Camponotus melanoticus flavopubens* Emery, 1925

[orig. comb.: *Camponotus (Tanaemyrmex) melanoticus flavopubens* Emery, 1925 from Mexico. It was firstly used as *Camponotus maculatus* r. *simillimus* var. *flavopubens* Forel, 1901 that is an unavailable name]

**Subspecies** *Camponotus melanoticus kempfi* **nom. nov.**

pro *Camponotus melanoticus nigrescens* Santschi, 1939 **syn. n.**, [nec *Camponotus ligniperdus nigrescens* Gösswald, 1932]

[orig. comb.: *Camponotus melanoticus* var. *nigrescens* Santschi, 1939 from Brasil. The combination in *Camponotus (Tanaemyrmex)* was carried out by Kempf (1972)]

**Subspecies** *Camponotus melanoticus melanoticus* Emery, 1894

**Subspecies** *Camponotus melanoticus paranaensis* Santschi, 1939

[orig. comb.: *Camponotus (Myrmoturba) melanoticus* var. *paranaensis* Santschi, 1939 from Brasil]

**Subspecies** *Camponotus melanoticus publicola* Forel, 1912

[orig. comb.: *Camponotus maculatus* r. *publicola* Forel, 1912 from Brasil. It was regarded as a subspecies of *C. melanoticus* by Santschi (1922), Emery (1925) and Kempf (1972)]

**Subspecies** *Camponotus melanoticus valerius* Santschi, 1922

[orig. comb.: *Camponotus (Myrmoturba) melanoticus* st. *valerius* Santschi, 1922 from Brasil. It was regarded as a subspecies of *C. melanoticus* by Emery (1925)]

**Sp. CAMPONOTUS MUTILATUS (Smith, 1859)**  
**Ssp. CAMPONOTUS MUTILATUS STITZI nom. nov.**

*Camponotus mutilatus luteiventris* Stitz, 1938. Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin, 1938, 116. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus luteiventris* Emery, 1897. Advances in Ecological Research, 38, 574. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus mutilatus luteiventris* Stitz, 1938 and *Camponotus luteiventris* Emery, 1897 were included in the family Formicidae.

The specific epithet *luteiventris* was initially introduced by Emery (1897b) with the original combination *Camponotus luteiventris* Emery, 1897 from New Guinea. It is still used as a valid species name.

Subsequently, Stitz (1938) described a new variety of the species *Camponotus mutilatus* (Smith, 1859) from New Guinea with the same subspecific epithet as *Camponotus (Colobopsis) mutilatus* var. *luteiventris* Stitz, 1938 by original combination.

*Camponotus luteiventris* Emery, 1897 has priority over *Camponotus mutilatus luteiventris* Stitz, 1938. Thus, *Camponotus mutilatus luteiventris* Stitz, 1938 is illegitimate and consequently can not be correct. The name *Camponotus mutilatus luteiventris* Stitz, 1938 is a primary junior homonym of the name *Camponotus luteiventris* Emery, 1897. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *luteiventris* Stitz, 1938 the replacement name *stitzi* nom. nov.. A replacement name was proposed by Baroni Urbani (1971) for this taxon, but it is an unavailable.

**Etymology:** This name is dedicated to H. Stitz who is the current author of the preexisting subspecies *Camponotus mutilatus luteiventris*.

Summary of nomenclatural changes:

**Species** *Camponotus mutilatus* (Smith, 1859)

[orig. comb.: *Formica mutilata* Smith, 1859 from Indonesia. The combination in *Colobopsis* was carried out by Mayr (1862) and in *Camponotus (Colobopsis)* was carried out by Dalla Torre (1893)]

**Subspecies** *Camponotus mutilatus mutilatus* (Smith, 1859)

**Subspecies** *Camponotus mutilatus stitzi* **nom. nov.**

pro *Camponotus mutilatus luteiventris* Stitz, 1938 **syn. n.**, [nec *Camponotus luteiventris* Emery, 1897]

[orig. comb.: *Camponotus (Colobopsis) mutilatus* var. *luteiventris* Stitz, 1938 from New Guinea. The combination in *Camponotus (Tanaemyrmex)* was carried out by Kempf (1972)]

**Sp. CAMPONOTUS OLIVIERI** Forel, 1886  
**Ssp. CAMPONOTUS OLIVIERI ZAIREICUS** **nom. nov.**

*Camponotus olivieri nitidior* Santschi, 1926. Revue Suisse de Zoologie, 33, 617. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus nitidior* (Santschi, 1921). Bull. Soc. Vaudoise Sci. Nat., 54, 102. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus olivieri nitidior* Santschi, 1926 and *Camponotus nitidior* (Santschi, 1921) were included in the family Formicidae.

The specific epithet *nitidior* was initially introduced by Santschi (1921) with the original combination *Dendromyrmex fabricii nitidior* Santschi, 1921 from Neotropical region. It is still used as a valid species name. The subgenus *Dendromyrmex* has been revised by Fernández (2002).

Subsequently, Santschi (1926) also described a new variety of the species *Camponotus olivieri* Forel, 1886 from Zaire with the same subspecific epithet as *Camponotus (Myrmotrema) olivieri* var. *nitidior* Santschi, 1926 by original combination.

*Camponotus nitidior* (Santschi, 1921) has priority over *Camponotus olivieri nitidior* Santschi, 1926. Thus, *Camponotus olivieri nitidior* Santschi, 1926 is illegitimate and consequently can not be correct. The name *Camponotus olivieri nitidior* Santschi, 1926 is a secondary junior homonym of the name *Camponotus nitidior* (Santschi, 1921). According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the subspecific epithet *nitidior* Santschi, 1926 the replacement name *zaireicus* nom. nov..

Etimology: from the country Zaire which is the distribution area of the subspecies.

Summary of nomenclatural changes:

**Species** *Camponotus olivieri* Forel, 1886

[orig. comb.: *Camponotus foraminosus* r. *olivieri* Forel, 1886 from Angola; raised to species by Santschi (1915)]

**Subspecies** *Camponotus olivieri concordinus* Santschi, 1915

[orig. comb.: *Camponotus (Myrmotrema) olivieri* st. *concordia* Santschi, 1915 from Angola. *Camponotus (Myrmoturba) compressus* st. *sanctus* var. *confellah* Santschi, 1939 from Syria is an unavailable name]

**Subspecies** *Camponotus olivieri delagoensis* Forel, 1894

[orig. comb.: *Camponotus foraminosus* r. *delagoensis* Forel, 1894 from Mozambique. It was regarded as a subspecies of *C. olivieri* by Santschi (1915)]

**Subspecies** *Camponotus olivieri freyeri* Santschi, 1915

[orig. comb.: *Camponotus (Myrmotrema) olivieri* st. *freyeri* Santschi, 1915 from Madagascar. It was firstly used as *Camponotus foraminosus* subsp. *aldabrensis* var. *freyeri* Forel, 1912 that is an unavailable name]

**Subspecies** *Camponotus olivieri infelix* Santschi, 1915

[orig. comb.: *Camponotus (Myrmotrema) olivieri* st. *infelix* Santschi, 1915 from South Africa. It was firstly used as *Camponotus (Myrmotrema) foraminosus* r. *lemma* var. *infelix* Forel, 1914 that is an unavailable name]

**Subspecies** *Camponotus olivieri lemma* Forel, 1886

[orig. comb.: *Camponotus foraminosus* r. *lemma* Forel, 1886 from Angola. It was transferred as a subspecies of *C. olivieri* by Santschi (1915)]

**Subspecies** *Camponotus olivieri moshianus* Santschi, 1915

[orig. comb.: *Camponotus (Myrmotrema) olivieri* var. *moshiana* Santschi, 1915 from Tanzania. It was firstly used as *Camponotus foraminosus lemma* var. *moshiana* Forel, 1907 that is an unavailable name]

**Subspecies** *Camponotus olivieri olivieri* Forel, 1886

**Subspecies** *Camponotus olivieri osiris* Forel, 1911

[orig. comb.: *Camponotus carbo osiris* Forel, 1911 from Zaire. It was regarded as a subspecies of *C. olivieri* by Santschi (1915)]

**Subspecies** *Camponotus olivieri patersoni* Arnold, 1959

[orig. comb.: *Camponotus (Myrmotrema) olivieri patersoni* Arnold, 1959 from Botswana]

**Subspecies *Camponotus olivieri pax* Menozzi, 1942**

[orig. comb.: *Camponotus (Myrmotrema) olivieri* var. *pax* Menozzi, 1942 from Cameroun. It was firstly used as *Camponotus (Myrmotrema) olivieri* st. *tauricollis* var. *pax* Santschi, 1915 that is an unavailable name]

**Subspecies *Camponotus olivieri sorptus* Santschi, 1915**

[orig. comb.: *Camponotus (Myrmotrema) olivieri* var. *sorpta* Santschi, 1915 from Zaire. It was firstly used as *Camponotus foraminosus delagoensis* var. *sorpta* Forel, 1909 that is an unavailable name]

**Subspecies *Camponotus olivieri tenuipilis* Santschi, 1915**

[orig. comb.: *Camponotus (Myrmotrema) olivieri* var. *tenuipilis* Santschi, 1915 from South Africa. It was firstly used as *Camponotus foraminosus olivieri* var. *tenuipilis* Emery, 1895 that is an unavailable name]

**Subspecies *Camponotus olivieri zaireicus* nom. nov.**

pro *Camponotus olivieri nitidior* Santschi, 1926 **syn. n.**, [nec *Camponotus nitidior* (Santschi, 1921)]

[orig. comb.: *Camponotus (Myrmotrema) olivieri* var. *nitidior* Santschi, 1926 from Zaire]

**Sp. *CAMPONOTUS THEOBALDI* nom. nov.**

*Camponotus saussurei* Théobald, 1937. Mém. Soc. Sei. Nancy, 7, 316. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus saussurei* Forel, 1879. Bulletin de la Société Vaudoise des Sciences Naturelles, 16, 103. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus saussurei* Théobald, 1937 and *Camponotus saussurei* Forel, 1879 were included in the family Formicidae.

The specific epithet *saussurei* was initially introduced by Forel (1879) with the original combination *Camponotus saussurei* Forel, 1879 from Antilles. It is still used as a valid species name.

Subsequently, Théobald (1937) described a new species from France with the same specific epithet as *Camponotus saussurei* Théobald, 1937 by original combination.

*Camponotus saussurei* Forel, 1879 has priority over *Camponotus saussurei* Théobald, 1937. Thus, *Camponotus saussurei* Théobald, 1937 is illegitimate and consequently can not be correct. The name *Camponotus saussurei* Théobald, 1937 is a primary junior homonym of the name *Camponotus saussurei* Forel, 1879. According to Article 60 of the International Code of Zoological Nomenclature (1999), it must be rejected and replaced. It has no synonym. So I propose for the specific epithet *saussurei* Théobald, 1937 the replacement name *theobaldi* nom. nov..

Etimology: This name is dedicated to N. Théobald who is the current author of the preexisting species *Camponotus saussurei*.

Summary of nomenclatural changes:

**Species *Camponotus theobaldi* nom. nov.**

pro *Camponotus saussurei* Théobald, 1937 **syn. n.**, [nec *Camponotus saussurei* Forel, 1879]

[orig. comb.: *Camponotus saussurei* Théobald, 1937 from France]



**Sp. *CAMPONOTUS TRANSVAALENSIS* Arnold, 1948**  
**Ssp. *CAMPONOTUS TRANSVAALENSIS PRINSI* nom. nov.**

*Camponotus transvaalensis arnoldi* Prins, 1965. Journal of the Entomological Society of Southern Africa, 27, 156. (Hymenoptera: Vespoidea: Formicidae). Preoccupied by *Camponotus truebi arnoldi* Forel, 1912. Entomologische Mitteilungen, 1, 75. (Hymenoptera: Vespoidea: Formicidae)

The names *Camponotus transvaalensis arnoldi* Prins, 1965; *Camponotus arnoldi* Pisarski, 1971 and *Camponotus truebi arnoldi* Forel, 1912 were included in the family Formicidae.

The subspecific epithet *arnoldi* was initially introduced by Forel (1912) with the original combination *Camponotus truebi* var. *arnoldi* Forel, 1912 from Taiwan. The combination was carried out by Emery (1925). It is still used as a valid subspecies name.

Then, Prins (1965) described a new subspecies of the species *Camponotus transvaalensis* Arnold, 1948 from Zimbabwe with the same subspecific epithet as *Camponotus transvaalensis arnoldi* Prins, 1965 by original combination. It is also still used as a valid subspecies name.

Later, Pisarski (1971) established a new species *Camponotus arnoldi* Pisarski, 1971 from Iraq with the same specific epithet as *Camponotus (Tanaemyrmex) arnoldi* Pisarski, 1971 by original combination. It is a senior synonym of *C. babau* Bolton, 1995.

*Camponotus truebi arnoldi* Forel, 1912 has priority over *Camponotus transvaalensis arnoldi* Prins, 1965 and *Camponotus arnoldi* Pisarski, 1971. Thus, *Camponotus transvaalensis arnoldi* Prins, 1965 and *Camponotus arnoldi* Pisarski, 1971 are illegitimate and consequently can not be correct. The names *Camponotus transvaalensis arnoldi* Prins, 1965 and *Camponotus arnoldi* Pisarski, 1971 are primary junior homonyms of the name *Camponotus truebi arnoldi* Forel, 1912. According to Article 60 of the International Code of Zoological Nomenclature (1999), they must be rejected and replaced. Therefore, the specific name *Camponotus arnoldi* Pisarski, 1971 was replaced by Bolton (1995) with a replacement name "*babau*". *Camponotus transvaalensis arnoldi* Prins, 1965 is still used as a valid name and has no synonym. So I propose for the subspecific epithet *arnoldi* Prins, 1965 the replacement name *prinsi* nom. nov..

**Etimology:** This name is dedicated to A. J. Prins who is the current author of the preexisting subspecies *Camponotus transvaalensis arnoldi*.

Summary of nomenclatural changes:

**Species** *Camponotus transvaalensis* Arnold, 1948

[orig. comb.: *Camponotus (Myrmespera) transvaalensis* Arnold, 1948 from South Africa]

**Subspecies** *Camponotus transvaalensis griqua* Arnold, 1952

[orig. comb.: *Camponotus (Myrmespera) transvaalensis griqua* Arnold, 1952 from South Africa]

**Subspecies** *Camponotus transvaalensis prinsi* **nom. nov.**

pro *Camponotus transvaalensis arnoldi* Prins, 1965 **syn. n.**, [nec *Camponotus truebi arnoldi* Forel, 1912 and *Camponotus arnoldi* Pisarski, 1971]

[orig. comb.: *Camponotus transvaalensis arnoldi* Prins, 1965 from Zimbabwe]

**Subspecies *Camponotus transvaalensis transvaalensis* Arnold, 1948****LITERATURE CITED**

- Bernard, F.** 1953. La réserve naturelle intégrale du Mt. Nimba. 11. Hyménoptères Formicidae. Memoires de l'Institut Français d'Afrique Noire, 19: 165-270.
- Bingham, C. T.** 1903. The Fauna of British India, including Ceylon and Burma. Hymenoptera 2. Ants and cuckoo-wasps. London. 506 pp.
- Bolton, B.** 1995. A new general catalogue of the ants of the world. Cambridge, Massachusetts, Harvard, 504 pp.
- Carpenter, F. M.** 1930. The fossil ants of North America, Bull. Mus. Comp. Zool. Harv., 70: 1-66.
- Dalla Torre, C. G. de.** 1893. Catalogus hymenopterorum huiusque descriptorum systematicus et synonymicus. Vol.7 Formicidae (Heterogyna). Lipsiae. 289 pp.
- Dlussky, G. M.** 1997. Genera of ants (Hymenoptera: Formicidae) from Baltic Amber [in Russian]. Paleontologičeskij žurnal, 6: 50-62. [English translation: Paleontological Journal, 31: 616-627].
- Emery, C.** 1895. Voyage de M.E. Simon dans l'Afrique australe (janvier-avril 1893). Formicides. Annales de la Société Entomologique de France, 64: 15-56 [Date of publication 16.07/08.1895].
- Emery, C.** 1897a. Formiche raccolte da Don Eugenio dei Principi Ruspoli, durante l'ultimo suo viaggio nelle regioni dei Somali e dei Galla. Annali del Museo Civico di Storia Naturale di Genova, (2) 18 [38]: 595-605.
- Emery, C.** 1897b. Viaggio di Lamberto Loria nella Papuaasia orientale 18. Formiche raccolte nella Nuova Guinea. Advances in Ecological Research, 38: 546-594
- Emery, C.** 1906. Studi sulle formiche della fauna neotropica. XXVI. Bull. Soc. Entomol. Ital., 37: 107-194.
- Emery, C.** 1920a. Studi sui *Camponotus*. Bull. Soc. Entomol. Ital., 52: 3-48.
- Emery, C.** 1920b. Le genre "*Camponotus*" Mayr: Nouvel essai de sa subdivision en sous-genres. Revue Zoologique Africaine, 8 (2): 229-260.
- Emery, C.** 1925. In Wytzman, P., Genera Insectorum. Hymenoptera, Fam. Formicidae, subfam. Myrmicinae. Fasc. 183: 302 pp.
- Fernández, C. F.** 2002. Revisión de las hormigas *Camponotus* subgénero *Dendromyrmex* (Hymenoptera: Formicidae). Papéis Avulsos de Zoologia, Sao Paulo, 42: 47-101.
- Forel, A.** 1879. Etudes myrmécologiques en 1879 (deuxième partie [1re partie en 1878]). Bulletin de la Société Vaudoise des Sciences Naturelles, 16: 53-128.
- Forel, A.** 1890. Fourmis de Tunisie et de l'Algérie orientale récoltées et décrites par Auguste Forel. Annales de la Société Entomologique de Belgique, 34: 91-96.
- Forel, A.** 1891. In: Grandidier, A. *Histoire Physique, Naturelle et Politique de Madagascar* 20. Histoire naturelle des Hyménopteres. 2 (fascicule 28). Les Formicides, 1-231.
- Forel, A.** 1895. Les formicides de l'Empire des Indes et de Ceylan. Part V. Adjonction aux Camponotinae. Journal of the Bombay Natural History Society, 9: 453-472 [Date of publication 20.06.1895].
- Forel, A.** 1899. Formicidae. Biologia-Centrali Americana, 3: 1-169.
- Forel, A.** 1912. H. Sauter's Formosa-Ausbeute: Formicidae (Hym.). Entomologische Mitteilungen, 1: 45-81.
- Forel, A.** 1914. Le genre *Camponotus* Mayr et les genres voisins. Revue Suisse de Zoologie, 22: 257-276.
- Gösswald, K.** 1932. Ökologische Studien über die Ameisenfauna des mittleren Maingebietes. Zeitschr. f. wiss. Zool., 142: 1-156.

- ICZN.** 1999. International Code of Zoological Nomenclature. Fourth Edition. The International Trust for Zoological Nomenclature, London. 306 pp.
- Kempf, W. W.** 1972. Catálogo abreviando das formigas da regio neotropical (Hym. Formicidae). *Studia Entomol.*, 15: 1-344.
- Mayr, G.** 1862. Myrmecologische Studien. Verhandlungen der k.k. Zoologisch-Botanischen Gesellschaft in Wien, 12: 649-776.
- Mayr, G.** 1870. Formicidae novogranadenses. Sitzungsberichte der mathematisch-naturwissenschaftlichen Classe der Kaiserlichen Akademie der Wissenschaften Wien Abteilung I, 61: 370-417.
- Prins, A. J.** 1965. Notes on African Formicidae. 1. *Journal of the Entomological Society of Southern Africa*, 27, 153-159.
- Pisarski, B.** 1971. Nouvelles espèces de fourmis (Hymenoptera, Formicidae) du sous-genre *Tanaemyrmex* Ashm. d'Iraq. *Bulletin de l'Academie Polonaise des Sciences*, 19: 671-675.
- Roger, J.** 1863. Die neu aufgeführten Gattungen und Arten meines Formiciden-Verzeichnisses, nebst Ergänzung einiger früher gegeben Beschreibungen. *Berliner Entomologische Zeitschrift*, 7: 131-214.
- Santschi, F.** 1911. Nouvelles fourmis de Madagascar. *Rev. Suisse Zool.*, 19: 117-134.
- Santschi, F.** 1915. Nouvelles fourmis d'Afrique. *Annales de la Société Entomologique de France*, 84: 244-282.
- Santschi, F.** 1920a. Quelques nouvelles fourmis de Bolivie (expédition Lizer-Delétang, 1917). *An. Soc. Cient. Argent.*, 89: 122-126.
- Santschi, F.** 1920b. Fourmis d'Indo-Chine. *Ann. Soc. Ent. Belg.*, 60: 158-176.
- Santschi, F.** 1921. Ponerinae, Dorylinae et quelques autres formicides néotropiques. *Bull. Soc. Vaudoise Sci. Nat.*, 54: 81-103.
- Santschi, F.** 1922. *Camponotus* néotropiques. *Ann. Soc. Entomol. Belg.*, 62: 97-124.
- Santschi, F.** 1925. Nouveaux Formicides brésiliens et autres. *Bulletin et Annales de la Société Entomologique de Belgique*, 65: 221-247.
- Santschi, F.** 1926. Nouvelles notes sur les *Camponotus*. *Revue Suisse de Zoologie*, 33: 597-618.
- Santschi, F.** 1929. Fourmis du Sahara central récoltées par la Mission du Hoggar (Fevrier-Mars 1928). *Bull. Soc. Hist. Nat. Afr. Nord*, 20: 97-108.
- Santschi, F.** 1939. Études et descriptions de fourmis néotropiques. *Rev. Entomol. (Rio J.)*, 10: 312-330.
- Stitz, H.** 1938. Neue Ameisen aus dem indo-malaysischen Gebiet. *Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin*, 1938: 99-122.
- Théobald, N.** 1937. Les insectes fossiles des terrains oligocènes de France. *Mém. Soc. Sei. Nancy*, 7: 1-473.
- Wheeler, W. M.** 1915 [1914]. The ants of the Baltic Amber. *Schr. Phys.-Ökon. Ges. Königsb.* 55: 1-142.
- Wheeler, W. M.** 1934. Some aberrant species of *Camponotus* (*Colobopsis*) from the Fiji Islands. *Ann. Entomol. Soc. Am.*, 27: 415-424.