One, four or 100 genera? A new classification of the cone snails

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ABSTRACT
We present a new classification for the genus Conus sensu lato (family Conidae), based on molecular phylogenetic analyses of 329 species. This classification departs from both the traditional classification in only one genus and from a recently proposed shell- and radula-based classification scheme that separates members of this group into five families and 113 genera. Roughly 140 genus-group names are available for Recent cone snails. We propose to place all cone snails within a single family (Conidae) containing four genera—Conus, Conasprella, Profundiconus and Californiconus—with Conus alone encompassing about 85% of known species—based on the clear separation of cone snails into four distinct and well-supported groups/lineages in molecular phylogenetic analyses. Within Conus and Conasprella, we recognize 57 and 11 subgenera, respectively, that represent well-supported subgroupings within these genera, which we interpret as evidence of intrageneric distinctiveness. We allocate the 803 Recent species of Conidae listed as valid in the World Register of Marine Species into these four genera and 71 subgenera, with an estimate of the confidence for placement of species in these taxonomic categories based on whether molecular or radula and/or shell data were used in these determinations. Our proposed classification effectively departs from previous schemes by (1) limiting the number of accepted genera, (2) retaining the majority of species within the genus Conus and (3) assigning members of these genera to species groups/subgenera to enable the effective communication of these groups, all of which we hope will encourage acceptance of this scheme.

INTRODUCTION
Cone snails are members of a hyperdiverse group of marine gastropods that are well known and appreciated for their history of rapid diversification, their tremendously diverse and complex venoms, and the elegance of their shells. They include such emblematic species as the once mythical ‘Glory-of-the-Sea’ Cone (Conus gloriamaris) and the deadly Geography Cone (Conus geographus). From 30 valid species known to Linnaeus, the current accepted number of species stands at 803 (WoRMS, 2014). These live in the tropical and warm temperate seas of the world, from the intertidal to depths of almost 1,000 m. Like most species in the superfamily Conoidea, cones are characterized by the possession of a venom gland and a highly modified radular tooth that they use as a harpoon to inject venom into their prey. Toxins included in these venoms are being studied for their potential therapeutic applications.

After more than two centuries of naming and overnaming, the species-level systematics of cones is undergoing a reappraisal based, among others, on molecular characters, and this is leading to a more stable taxonomy. Conversely, the superspecific classification of the cone snails has in the last 20 years become more unstable than ever. A plethora of nominal (sub)genera reflect subtle differences in shell form and radular morphology, but these are obscuring phylogenetic relationships between terminal taxa. While toxinologists are longing for a predictive classification that can be used as a roadmap for bioprospecting (Olivera, 2006; Puillandre & Holford, 2010), the two genus-level classifications of cones proposed in the last 25 years (da Motta, 1991; Tucker & Tenorio, 2009, 2013) have remained ignored outside the world of cone-shell collectors.

Whereas the general and characteristic shape of the shell has empirically brought together all cone snails in what for two centuries has been called the family Conidae, the relationships between the species within Conidae, and in particular their potential eventual classification in genera and subgenera, is still debated.
The first modern divisions of the family Conidae recognized one family, 14 groups “which may even represent subfamilies”, and 29 genera (Cotton, 1945: 231), two subfamilies and eight genera (Walls, 1978) and eight genera and 60 subgenera (da Motta, 1991). These classifications were based solely on shell characters, whereas Tucker & Tenorio’s (2009, 2013) completely novel classification was based on shell as well as radular characters. These authors divided cone snails into five families and 89 genera, while their restricted family Conidae was itself subdivided into four subfamilies. The robustness of this classification is questionable, when radular characters have been found to be a poor phyleogenetic marker in other conoidae taxa (Castelin et al., 2012; Kantor & Puillandre, 2012). In fact, cone snails, or Conus sensu lato, is in itself a concept with blurred limits. Depending on the authors, some marginal species may or may not be included in cone snails. This is the case of the Cryptococonidae sensu Tucker & Tenorio (2009), treated by some authors as cone snails (e.g. Cossmann, 1896), while excluded by others (Tucker & Tenorio, 2009). DNA data indicate that Genota, a genus sometimes included in this family, may be more closely related to the family Borsoniidae (Puillandre et al., 2011). Similarly, Benthofascis was excluded from the Conidae by Puillandre et al. (2011). Consequently, the present study will not consider Cryptococonidae and Benthofascis as members of the ingroup, but will focus on the Conidae sensu Bouchet et al. (2011), i.e. Conidae, Conilithidae and Tarantaceconidae sensu Tucker & Tenorio (2009).

In the last decade, published molecular phylogenies (listed by Puillandre et al., 2014) have suggested that cone snails actually encompass very deep lineages that diverged at least 33 Ma (Duda & Kohn, 2005), the three main ones being the single species Conus californicus, sister-group to all the other cones, the ‘Small Major Clade’ of Duda & Kohn (2005) (corresponding to the family Conilithidae of Tucker & Tenorio, 2009) and the ‘Large Major Clade’ of Duda & Kohn (2005) (corresponding to the family Conidae of Tucker & Tenorio, 2009). Furthermore, Espiritu et al. (2001) defined 21 molecular groups within the Large Major Clade. None of these molecular phylogenies was turned into a formal classification of cone snails. However, Bandopadhyay et al. (2006) and a few others after him (e.g. Kraus et al., 2011, 2012) did apply the name Conasprella to the Small Major Clade, thus leaving the name Conus for the Large Major Clade. Several other generic or subgeneric names have also been used sporadically (e.g. Jimenez, Olivera & Trichett, 2007; Holfford et al., 2009; Puillandre, Watkins & Olivera, 2010). Meanwhile, new names have continued to be established to this day, with no less than 127 genus-group names available to classify cones. Puillandre et al. (2014) recently published a phylogeny of the cone snails based on 330 species and sequences of three mitochondrial gene regions. In the present paper we utilized this molecular phylogeny as a foundation to establish a new genus- and subgenus-level classification of the Conidae, with four genera (Californiconus, Profundiconus, Conasprella and Conus) and 71 subgenera (Fig. 1). We also tentatively allocate all cone snail species currently considered as valid in WoRMS, but not represented in the molecular phylogeny, to genera and subgenera based on their morphological characters.

### MATERIAL AND METHODS

**Turning the phylogeny into a classification**

Proposing a classification based on a phylogeny mainly consists of (1) identifying the groups that will be named; (2) attributing available names and, if necessary, establishing new ones, for the groups identified in (1); and (3) ranking these names.

**Identifying groups to be named**

As far as possible, only well supported (bootstrap probability >90%; Bayesian posterior probability >0.95) clades (and single-species lineages) were linked to names. When several clades were possible (e.g. one supported clade that includes two supported clades, both with available names attributable to them), other characters and properties, such as shell morphology, type of prey, bathymetric and/or geographical distribution, were considered in order to identify the most appropriate grouping to minimize within-group variability. Overall, a conservative approach was adopted, to minimize the number of supraspecific taxa, both named and unnamed. In two cases (Pyrocus and Cylinder) we attributed a name to a group we recognized to be non-monophyletic (although this non-monophyly is not supported, in order to avoid having to establish new names for many small clades. This polyphyletic, but morphologically consistent, genera may correspond to grades and in future each of the included clades may be shown to deserve its own name.

**Naming of groups**

As far as possible, a genus-group name (i.e. a genus or subgenus) was applied based on the position of its type species in the tree. If the type species of a nominal genus or subgenus had not been sequenced, application of the name was determined by reference to the morphologically most similar species used in the molecular analysis. If more than one name was applicable for a clade, the valid name was determined by the rule of priority. In the classification below, OD refers to the fixation of type species by original designation, SD by subsequent designation and M by monotypy (as defined by ICZN, 1999: Art. 68, 69, respectively).

**Ranking of groups**

Tucker & Tenorio (2009, 2013) attributed family-rank names to the main lineages identified by molecular phylogenies (i.e. the Small and Large Major Clades) and genus-rank names to groups of species that roughly correspond to the same level of resolution as the 21 groups defined by Espiritu et al. (2001). However, contrary to the first two steps of the process, which are based on objective criteria (e.g. monophyly of the taxa) and nomenclatural rules (e.g. position of type species), the attribution of ranks to the named clades is subjective. Taxonomists generally place two species in two different genera or two different families (or any other rank) based on a certain level of divergence, but the threshold of divergence at which a given rank is recognized varies greatly depending on the taxa, the characters involved and who is making the classification (Avise & Liu, 2011). Even for a given taxon and character (e.g. a nucleotide sequence), it is difficult to provide an objective criterion, since ranks above the species level are not defined by any biological attribute or property that could define a threshold. (For the rank of species, on the other hand, objective criteria for delimitation have been proposed, as amply developed in the literature on integrative taxonomy, e.g. De Queiroz, 1998; Samadi & Barberousse, 2006.) Accepting that ranking is to a large extent a matter of opinion, we also took into consideration prevailing usage. In the vast literature dealing with conotoxins, ranking has been very conservative, with Conidae being the only accepted family-level taxon. We have also been guided by dated molecular phylogenies of other marine gastropod clades. For example, the mean age of the most recent common ancestors of each monophyletic genus of Muricidae (Neogastropoda) is about 20 Ma, with a minimum of 9.5 Ma and a maximum of 42.2 Ma, and the age of the subfamily Rapaniidae is estimated at about 61 Ma (Claremont et al., 2013: fig. 2). The most recent common ancestors of the bursids Tutufa and Bursa (Littorinimorpha: Tonnoidea) are
Figure 1. Simplified version of the Bayesian tree based on the concatenation of sequences of three mitochondrial gene regions (COI, 16S, 12S) and published by Puillandre et al. (2014: fig. 2) showing the proposed classification. Genera and subgenera with multiple species are reduced to triangles, whose lengths are proportional to the branch lengths. Posterior probabilities (>0.95) are shown for each node. Only (sub)genera with at least one sequenced representative are figured.
Allocation of species to genus-level groups

All the 803 species of Conidae listed as valid in WoRMS (2014) were allocated to genera and subgenera, with two levels of confidence (Appendix Table 1). The ages of the genera and as a list of nominal genus-group names with their current status (Appendix Table 2). Of the 803 species of Conidae listed as valid in WoRMS (2014) were allocated to genera and subgenera, with two levels of confidence (Appendix Table 2). The main lineages within cone snails are thus roughly of the same age, or even younger, than the genera as defined in other groups of caenogastropods. In an attempt to assign ranks that are roughly comparable with those used for other gastropod taxa in terms of group age, we chose to rank the main lineages of cone snails at the level of genus. With this approach, all cone snails are placed in a single family (Conidae) and most (Large Major Clade) remain in the genus Conus (consistent with prevailing usage of this name). As stated above, based on the molecular clock calibrations of Duda & Kohn (2005), the lineages that ultimately gave rise to these genera presumably separated from each other at least 33 Ma. We further identified well-supported groupings within these genera and assigned the members of these groups to subgenera. Except for the difference in assigned rank, these subgenera are essentially comparable with the generic-level groups proposed by Tucker & Tenorio (2009, 2013).

SYSTEMATICS

Superfamily CONOIDEA Fleming, 1822

Family Conidae Fleming, 1822

[Synonyms: Conilithidae Tucker & Tenorio, 2009, n. syn. Taranteconidae Tucker & Tenorio, 2009, n. syn. Puncticulinae Tucker & Tenorio, 2009, n. syn.]

Genus Californciconus Tucker & Tenorio, 2009

Type species: Conus californicus Reeve, 1844; OD

Included species: californicus (Reeve, 1844)

Remarks: Conus californicus has always been considered a unique species within cone snails, because of its molecular (including toxicological: Biggs et al., 2010; Elliger et al., 2011) and morphological singularities and also because of its diet, since it is able to prey indifferently on fish, molluscs and worms (Kohn, 1966).

Genus Profundiconus Kuroda, 1956

Type species: Chelyconus profundorum Kuroda, 1956; OD

[Synonym: Lizaconus da Motta, 1991; type species: Asprella teramachi Kuroda, 1956; OD]

Included species: yakohani [Moolenbeek, Röckel & Bouchet, 2008]

donohani [Kosuge, 1981] n. comb.

emersoni (G. D. Hanna, 1963)

franzeni (Tenorio & Poppe, 2004)

ikeda [Ninomiya, 1987]

jeannartini (G. Raybaudi Massilia, 1992)

kanakinus (Richard, 1983) n. comb.

lani (Crannell, 1979)

loyaltiensis (Röckel & Moolenbeek, 1995)

Remarks: Puillandre et al. (2014) did not sequence the type species of Profundiconus; their sequenced material was identified as P. aff. profundorum. However, Tucker & Tenorio (2009, 2013) found Profundiconus to be a morphologically well supported group and we are thus confident in applying this name to the clade containing P. aff. profundorum.

Genus Conasprella Thiele, 1929

Subgenus Conasprella Thiele, 1929

Type species: Conus pagoda Kiener, 1847; SD, Tucker & Tenorio (2009: 140) (under ICZN, 1999: Art. 70.3.2).

[Synonym: Duodenticonus Tucker & Tenorio 2013; type species: Asprella memiae Habe & Kosuge, 1970; OD; n. syn.]

Included species: aphrodite (Petuch, 1979)

articulata (G.B. Sowerby II, 1873)

baileyi (Röckel & da Motta, 1979)

bathyscalis (Petuch, 1979) n. comb.

boucheti (Richard, 1983) n. comb.

bozzetti (Lauer, 1991)
Subgenus Bouche iconus Tucker & Tenorio, 2013

Type species: Conus alisi Moolenbeek, Röckel & Richard, 1995; OD

Included species:
- **alisi** (Moolenbeek, Röckel & Richard, 1995) n. comb.
- **kimioi** (Habe, 1965) n. comb.

Remarks: The species C. kimioi was placed in the subgenus Bouche iconicus (following Tucker & Tenorio 2013), even if the corresponding clad was not highly supported.

Subgenus Coltroiconus Petuch, 2013

Type species: Conus iansa Petuch, 1979; OD

Included species:
- **henriquei** (Petuch & R. F. Myers, 2014) n. comb.
- **iansa** (Petuch, 1979) n. comb.

Subgenus Dalliconus Tucker & Tenorio, 2009

Type species: Conus meguiniyi Pilsbry, 1955; OD

Included species:
- **armiger** (Crosse, 1858) n. comb.
- **bajunensis** (Nowell-Usticke, 1968) n. comb.
- **guyanensis** (van Mol, 1973) n. comb.
- **lehili** (Cargile, 1998) n. comb.
- **mazei** (Deshayes, 1874) n. comb.
- **raherti** (Richard, 2009) n. comb.
- **sauros** (Garcia, 2006) n. comb.

Subgenus Endemoiconus Iredale, 1931

Type species: Conus houckei Iredale, 1929; OD

[Synonyms: Kennastrella Powell, 1958; type species: Conus raoulensis Powell, 1958; OD. Teddiconus Tucker & Tenorio, 2009; type species: Conus sieboldii Reeves, 1848; OD]

Included species:
- **glohi** (Tenorio & Poppe, 2004) n. comb.
- **hovelli** (Iredale, 1929) n. comb.
- **ione** (Fulton, 1938) n. comb.
- **raoulensis** (Powell, 1958) n. comb.

Subgenus Fusiconus da Motta, 1991

Type species: Conus longurionis Kiener, 18547; OD

[Synonyms: Bathycosus Tucker & Tenorio, 2009; type species: Conus orbignyi Audouin, 1831; OD; n. syn. Fusiconus da Motta, 1991; type species: Conus traversianus E.A. Smith, 1875, OD; n. syn. Fusiconus Tucker & Tenorio, 2009; type species: Conus vimineus Reeves, 1849; OD; n. syn.]

Included species:
- **aculeiformis** (Reeve, 1844) n. comb.
- **comatosa** (Pilsbry, 1904) n. comb.
- **dictator** (Melvill, 1888) n. comb.
- **dieteri** (Moolenbeek, Zandbergen & Bouchet, 2008) n. comb.
- **elegans** (G. B. Sowerby III, 1895) n. comb.
- **eloikismenos** (Kilburn, 1975) n. comb.
- **fijensis** (Moolenbeek, Röckel & Bouchet, 2008) n. comb.
- **guidopoppei** (G. Raybaudi Massilia, 2005) n. comb.
- **hypochlora** (Tomlin, 1937) n. comb.
- **hopwoodi** (Tomlin, 1937) n. comb.
- **ichinoseana** (Kuroda, 1956) n. comb.
- **insulphtr** (Kiener, 1847) n. comb.
- **lentiginosa** (Reeve, 1844) n. comb.

Subgenus Kohniconus Tucker & Tenorio, 2009

Type species: Conus emarginatus Reeves, 1844; OD

Included species:
- **arcuata** (Broderip & G. B. Sowerby I, 1829) n. comb.
- **centario** (Born, 1778) n. comb.
- **emarginata** (Reeve, 1844) n. comb.
- **enzani** (Petuch & Sargent, 2011) n. comb.
- **fenzani** (Petuch & Sargent, 2011) n. comb.
- **rutila** (Reeve, 1849) n. comb.

Remarks: Tucker & Tenorio (2009) included both Conaspella delesserti and Conaspella arcuata in Kohniconus. In our analysis, the two species do not cluster together. The name Kohniconus could have been applied to the lineage that includes the species C. delesserti, but because of the closer morphological resemblance of Conus emarginatus with C. arcuata, we have applied Kohniconus to the lineage that includes C. arcuata.

Subgenus Lilliconus G. Raybaudi Massilia, 1994

Type species: Conus biraghi G. Raybaudi Massilia, 1992; OD

Included species:
- **biraghi** (G. Raybaudi Massilia, 1992) n. comb.

Subgenus Parviconus Cotton & Godfrey, 1932

Type species: Conus rutilus Menke, 1843; OD

Included species:
- **rutila** (Menke, 1843) n. comb.

Subgenus Pseudoconorbis Tucker & Tenorio, 2009

Type species: Conorbis coromandelicus E. A. Smith, 1894; OD

Included species:
- **coromandelica** (E. A. Smith, 1894) n. comb.
Subgenus Ximeniconus Emerson & Old, 1962

Type species: Conus ximenes Gray, 1839; OD

[Synonyms: Globiconus Tucker & Tenorio, 2009; type species: Conus tornatus G.B. Sowerby I, 1833; OD; n. syn. jaspidea Petuch, 2003; type species: Conus jaspidea Gmelin, 1791; OD; n. syn. Perplexiconus Tucker & Tenorio, 2009; type species: Conus perplexus G. B. Sowerby II, 1857; OD; n. syn.]

Included species:
alexandremonneri (Cossignani, 2014) n. comb.
agluptica (Cossignani, 2007) n. comb.
araucak (Petuch & R. F. Myers, 2014) n. comb.
baccata (G. B. Sowerby III, 1877) n. comb.
berschaueri (Petuch & R. F. Myers, 2014) n. comb.
damaisi (Cossignani, 2007) n. comb.
ericmonneri (Petuch & R. F. Myers, 2014) n. comb.
flusiamaris (Petuch & Sargent, 2011) n. comb.
henckesi (Coltro, 2004) n. comb.
hendli (Petuch & R. F. Myers, 2014) n. comb.
jaspidea (Gmelin, 1791) n. comb.
lucidus (W. Wood, 1828) n. comb.
mahogani (Reeve, 1843) n. comb.
mindana (Hwass in Bruguière, 1792) n. comb.

Incertae sedis
Conasprella delesserti (Récluz, 1843) n. comb.

Genus Conus Linnaeus, 1758

Subgenus Conus Linnaeus, 1758

Type species: Conus marmoreus Linnaeus, 1758; SD, Children (1823: 69)

[Synonyms: Caeculus Röding, 1798; type species: Conus marmoreus Linnaeus, 1758; SD, Winckworth (1945: 139). Coronaxis Swainson, 1840; type species: Conus bandanus Hwass, 1792; M]

Included species:
araneaeus [Lightfoot, 1786 marmoreus Linnaeus, 1758
bandanus Hwass in Bruguière, 1792 nocturnus [Lightfoot, 1786 vidua Reeve, 1843

Subgenus Afonsoconus Tucker & Tenorio, 2013

Type species: Conus kinoshitai Kuroda, 1956; OD

Included species:
brunni Powell, 1958
kinoshitai Kuroda, 1956

Subgenus Asprella Schauffuss, 1869

Type species: Conus asper Lamarck, 1810, by typification of replaced name. Asprella was established as a substitute name for Cylindrella Swainson, 1840 (see below). Conus asper was not among the 11 species included in Asprella by Schauffuss (1869: 43–44), and Wenz (1940) cited Conus sulcatus Bruguère, 1792 (a species originally included by Schauffuss) as the type species; Conus sulcatus and C. asper are subjective synonyms.

[Synonyms: Cylindrella Swainson, 1840; type species: Conus asper Lamarck, 1810; subjective synonym of Conus sulcatus Hwass, 1792; M. Cylindrella Swainson, 1840 (Conidae), is a homonym of Cylindrella Swainson, 1840 (Urocoptidae) and has been placed on the Official Index of Rejected and Invalid Names by ICZN, 1999: Opinion 1030. Sulciconus Bielz, 1869; type species (here designated); Conus sulcatus Hwass in Bruguère, 1792, n. syn. The names Asprella and Sulciconus were both published in 1869 and their exact dates of publication are not known in order to establish priority. Under ICZN (1999): Art. 24.2, we act here as First Revisers and give precedence to the name Asprella over Sulciconus.]

Included species:
fijsulcatus Moolenbeek, Röckel & Bouchet, 2008 helgae Blöcher, 1992
igisuulcatus Moolenbeek, Röckel & Bouchet, 2008 rolani Röckel, 1986
sulcatus Hwass in Bruguère, 1792
sulcocostaurus Kosuge, 1981

Subgenus Atlanticonus Petuch & Sargent, 2012

Type species: Conus granulatus Linnaeus, 1758; OD

Included species:
cuna Petuch, 1998
grani Linnaeus, 1758
ritae Petuch, 1995

Subgenus Attenuiconus Petuch, 2013

Type species: Conus attenuatus Reeve, 1844; OD

Included species:
attenuatus Reeve, 1844
honkeri Petuch, 1988
aaroniochrous Petuch, 1987
poulosi Petuch, 1993
eversoni Petuch, 1987

Subgenus Austroconus Tucker & Tenorio, 2009

Type species: Conus cyanostoma A. Adams, 1855; OD

[Possible senior synonym: Mamiconus Cotton & Godfrey, 1932; type species: Conus superstes Hedley, 1911; OD. The identity of C. superstes is uncertain; it is listed as a nomen dubium by Tucker & Tenorio (2013).]

Included species:
clarus E. A. Smith, 1881
sydneyensis G. B. Sowerby III, 1857

Subgenus Bermudaconus Petuch, 2013

Type species: Conus lighthourni Petuch, 1986; OD

Included species:
lighthourni Petuch, 1986
Subgenus *Brasiliconus* Petuch, 2013  
*Type species:* *Conus scopulorum* Van Mol, Tursch & Kempf, 1971; OD  
*Included species:* * scopulorum* Van Mol, Tursch & Kempf, 1971

Subgenus *Calibanus da Motta*, 1991  
*Type species:* *Conus furvus* Reeve, 1843; OD  
*Synonym:* *Thalassiconus* Tucker & Tenorio, 2013; type species: *Conus thalassiarbus* G. B. Sowerby I, 1834; OD  
*Included species:*  
*furvus* Reeve, 1843  *thalassiarbus* G. B. Sowerby I, 1834

Subgenus *Chelyconus* Möhr, 1852  
*Type species:* *Conus testudinarius* Hwass, 1792 [*synonym of Conus ermineus* Born, 1778]; SD, Cossmann (1896: 160)  
*Included species:* *ermineus* Born, 1778  *purpurascens* G. B. Sowerby I, 1833

Subgenus *Cylinder Montfort, 1810*  
*Type species:* *Conus textile* Linnaeus, 1758; OD. Dubois & Bour (2010) revived the name *Cylindrus* as from Batsch, 1789 and designated *Conus textile* as its type species. This has the consequence of destabilizing the pulmonate genus name *Cylindrus* Fitzinger, 1833, which is in current use. The ICZN will be petitioned to maintain usage of *Cylinder Montfort*, 1810, and *Cylindrus Fitzinger*, 1833, in their accustomed sense.  
*Included species:*  
*abbus* Hwass in Bruguëre, 1792  *ammiralis* Linnaeus, 1758  *aureus* Hwass in Bruguëre, 1792  *barbiarii* G. Raybaudi Massilia, 1995  *bengalensis* (Okutani, 1968)  *canonicus* Hwass in Bruguëre, 1792  *dalli* Stearns, 1873  *gloriarisius* Linnaneus, 1758  *gloriarisius* Poppe & Tagaro, 2009  *legatus* Lamarck, 1810  *nodulosus* G. B. Sowerby II, 1864  *priscii* (Bozzetti, 2012) n. comb.  *retifer* Menke, 1829  *scottiodani* (Poppe, Monnier & Tagaro, 2012) n. comb.  *tagaroae* (Limpalär & Monnier, 2013) n. comb.  *telatus* Reeve, 1848  *textile* Linnaeus, 1758  *victoriae* Reeve, 1843

Remarks: *Tucker & Tenorio* (2009) described two ‘body plans’ in their genus *Cylinder*, citing *Conus textile* and *C. gloriarisius* as examples of each group; they may correspond to the two groups found in the molecular phylogeny. *Tucker & Tenorio* (2009) relied on their similar radulae and diets to maintain them in a single genus: we have followed them and place all the species in a single subgenus. Among the sequenced species, *C. ammiralis*, *C. canonicus* and *C. dalli* cluster with the type species *C. textile*, the other species constitute a separate clade.

Subgenus *Darioconus* Iredale, 1930  
*Type species:* *Conus omaria* Hwass, 1792; OD  
*Synonyms:* *Regiconus* Iredale, 1930; type species: *Conus alicius* Linnaeus, 1758; OD; the simultaneously published *Darioconus* was given precedence over *Regiconus* by First Reviser *Kira* (1954: 75). *Ecythronus da Motta*, 1991; type species: *Conus crocatus* Lamarck, 1810; OD  
*Included species:*  
*alicius* Linnaeus, 1758  *auratifis* da Motta, 1992  *auricus* Hwass in Bruguëre, 1792  *bebekokenesi* Lauer, 2010  *biancae* Bozzetti, 2010  *crocatus* Lamarck, 1810  *echo* Lauer, 1989  *episcopus* da Motta, 1982  *lamherti* Souverbie, 1877  *lauri* (Monnier & Limpalär, 2013) n. comb.  *leviitii* (Tucker, Tenorio & Chaney, 2011) n. comb.  *loehri* Kilburn, 1972  *madagascariensis* G. B. Sowerby II, 1838  *magnificus* Reeve, 1843  *natalaaurarius* (S. G. Veldsman, 2013) n. comb.  *omaria* Hwass in Bruguëre, 1792  *pennaceus* Born, 1778  *thomae* Gmelin, 1791

Remarks: The species *C. thomae* was placed in the subgenus *Darioconus* (following *Tucker & Tenorio* 2013), even though the corresponding clade was not highly supported.

Subgenus *Dauciconus* Cotton, 1945  
*Type species:* *Conus daucus* Hwass, 1792; OD  
*Synonyms:* *Gradiconus* da Motta, 1991; type species: *Conus gradatus* W. Wood, 1828; OD; n. syn.; *Mellisiconus* da Motta, 1991; type species: *Conus mellisperus* Hwass in Bruguëre, 1792; OD; n. syn.; *Purpuriconus* da Motta, 1991; type species: *Conus carinatus* Hwass in Bruguëre, 1792; OD; n. syn.; *Caribiconus* Petuch, 2003; type species: *Conus amphiparius* Dall, 1889; OD; *Conaspirellodes Tucker & Tenorio, 2009*; type species: *Conus cancellatus* Hwass in Bruguer, 1792; OD; n. syn.; *Poromiconus* Petuch, 2013; type species: *Conus ziczac* Mühlfeld, 1816; OD; n. syn.; *Tuckericonus Petuch 2013; type species:* *Conus flavescens* G. B. Sowerby I, 1834; OD; n. syn.]  
*Included species:*  
*abruholensis* Petuch, 1987  *alongillayari* Bozzetti & Monnier, 2009  *amphiurgus* Dall, 1889  *anabathrum* Crosse, 1865  *arangos* Sarasia, 1877  *aurourpatus* Petuch, 1987  *bayeri* Petuch, 1987  *belizauus* (Petuch & Sargent, 2011) n. comb.  *bessei* Petuch, 1992  *bouai da Motta, 1988*  *brouneobirdius* Petuch, 1992  *bruneorobius* Petuch, 1990  *burryae* Clench, 1942  *daldus* (H. G. B. Sowerby III, 1858) n. comb.  *dispar* G. B. Sowerby I, 1833  *domae* Petuch, 1998  *edwardpaulyi* Petuch, 1998  *eleutheranaeus* (Petuch, 2013) n. comb.  *ernesti* Petuch, 1992  *explorator* Vink, 1990  *flamingo* Petuch, 1980  *flameaeolor* Petuch, 1992  *flavescens* G. B. Sowerby I, 1834  *garciada da Motta, 1982*  *gibousoxithos* Petuch, 1986  *glicksteini* Petuch, 1987  *goji* Petuch, 1992  *gradatus* W. Wood, 1828  *harsayzichi* Petuch, 1987  *havanensis* Aguayo & Pérez Farante, 1947  *hennepini* Petuch, 1993  *hili* Petuch, 1990  *honkorum* (Petuch & R. F. Myers, 2014) n. comb.  *inconstalis* E. A. Smith, 1877  *jacarusoii* Petuch, 1998  *jorasi* (Petuch, 2013) n. comb.  *jucundus* G. B. Sowerby III, 1887  *kaiserae* (Tenerino, Tucker & Chaney, 2012) n. comb.  *kalafuti da Motta, 1987*  *kerstichi* Walls, 1978  *kevani* Petuch, 1987  *kirkandersi* Petuch, 1987  *madagascariensis* G. B. Sowerby II, 1838  *magnificus* Reeve, 1843  *natalaaurarius* (S. G. Veldsman, 2013) n. comb.  *omaria* Hwass in Bruguëre, 1792  *pennaceus* Born, 1778  *thomae* Gmelin, 1791

Remarks: *Tucker & Tenorio* (2009) described two ‘body plans’ in their genus *Cylinder*, citing *Conus textile* and *C. gloriarisius* as examples of each group; they may correspond to the two groups found in the molecular phylogeny. *Tucker & Tenorio* (2009) relied on their similar radulae and diets to maintain them in a single genus: we have followed them and place all the species in a single subgenus. Among the sequenced species, *C. ammiralis*, *C. canonicus* and *C. dalli* cluster with the type species *C. textile*, the other species constitute a separate clade.
Subgenus **Dendoconus** Swainson, 1840

**Type species:** *Conus betulinus* Linnaeus, 1758; SD, Herrmannsen (1847: 177)

[Synonym: *Cleobula* Iredale, 1930; type species *Conus figulinus* Linnaeus, 1758; OD]

Included species:
- *betulinus* Linnaeus, 1758
- *buxus* (Röding, 1798)
- *figulinus* Linnaeus, 1758
- *glauca* Linnaeus, 1758

Remarks: The species *C. medoci* was placed in the subgenus *Dendoconus* (following Tucker and Tenorio 2013), even if the corresponding clade was not highly supported.

Subgenus **Ductoconus** da Motta, 1991

**Type species:** *Conus princeps* Linnaeus, 1758; OD

[Synonym: *Arubaconus* Petuch, 2013; type species *Conus hieroglyphus* Duclos, 1833; OD; n. syn.]

Included species:
- *hieroglyphus* Duclos, 1833
- *princeps* Linnaeus, 1758

Subgenus **Elisaconus** Tucker & Tenorio, 2013

**Type species:** *Conus litteratus* Linnaeus, 1758; OD

Included species:
- *litteratus* Linnaeus, 1758

Subgenus **Embrikena** Iredale, 1937

**Type species:** *Embrikena pergrandis* Iredale, 1937; M

Included species:
- *darkini* Röckel, Korn & Richard, 1993
- *monauri* Filmer, 2005
- *pergrandis* (Iredale, 1937)
- *fusini* T. C. Lan, 1978

Subgenus **Eremiconus** Tucker & Tenorio, 2009

**Type species:** *Conus minnamurra* (Garrard, 1961); OD

Included species:
- *abellii* Röckel & Korn, 1990
- *lizardsens* Crosse, 1865
- *colmani* Röckel & Korn, 1990
- *minnamurra* (Garrard, 1961)
- *limpust* Röckel & Korn, 1990

Subgenus **Eugeniciconus** da Motta, 1991

**Type species:** *Conus nobilis* Linnaeus, 1758; OD

Included species:
- *cordigeria* G. B. Sowerby II, 1866
- *mazichionatus* Hinds, 1843
- *nobilis* Linnaeus, 1758

Subgenus **Floraconus** Iredale, 1930

**Type species:** *Conus anemone* Lamarck, 1810; OD

[Synonym: *Ketyconus* da Motta, 1991; type species *Conus tinianus* Hwass in Bruguier, 1792; OD; n. syn.]

Included species:
- *anemone* Lamarck, 1810
- *aplaste* Reeve, 1843
- *ardisiaceus* Kiener, 1850
- *balteatus* G. B. Sowerby I, 1833
- *bocceus* Reeve, 1844
- *compressus* G. B. Sowerby II, 1866
- *gabelichia* da Motta & Ninomiya, 1982
- *mozambicus* Hwass in Bruguier, 1792
- *papilliferus* G. B. Sowerby I, 1834
- *tinianus* Hwass in Bruguier, 1792

Subgenus **Fraterconus** Tucker & Tenorio, 2013

**Type species:** *Conus distans* Hwass in Bruguier, 1792; OD

Included species:
- *distans* Hwass in Bruguier, 1792

Subgenus **Gastridium** Modeer, 1793

**Type species:** *Conus geographus* Linnaeus, 1758; SD, Winckworth (1935: 322)

[Synonyms: *Rollus* Montfort, 1810; type species *Conus geographus* Linnaeus, 1758; OD *Urticulus* Schumacher, 1817; type species *Conus geographus* Linnaeus, 1758; M. Tuliparia Swainson, 1840; type species *Conus nebulosa* Swainson, 1840 [synonym of *Conus tulipa*]; M. Protostriciconus Tucker & Tenorio, 2009; type species *Conus obscurus* G. B. Sowerby I, 1833; OD; n. syn.]
Included species:

**Cuvieri** Crosse, 1858

- *obscurus* G. B. Sowerby I, 1833
- *tulipa* Linnaeus, 1758

**Hermes** Monfort, 1810

- *nussatella* Linnaeus, 1758; OD

**Kalloconus** da Motta, 1991

- *sponsalis* Hwass in Bruguère, 1792; OD; n. syn.

**Kelleyconus** Petuch, 2013

- *patae* Abbott, 1971; OD

**Klemaeconus** Tucker & Tenorio, 2013

- *klemare* Cotton, 1953; OD; n. syn.

**Lamniconus** da Motta, 1991

- *clerii* Reeve, 1844; OD

**Harmoniconus** da Motta, 1991

- *sugimotonis* Macpherson, 1959

**Lautoconus** Monerosato, 1923

- *patricae* (Petuch & R. F. Myers, 2014); n. comb.
- *tostesi* Petuch, 1986
- *santolloxicon* Petuch, 1986

Subgenus **Harmoniconus da Motta, 1991**

*Type species: Conus musicus* Hwass in Bruguère, 1792; OD

Included species:

- *parvatus* Walls, 1979
- *punctatis* (Tucker, Tenorio & Chaney, 2011) n. comb.

Subgenus **Hermes Monfort, 1810**

*Type species: Conus nussatella* Linnaeus, 1758; OD

[Synonym: *Theliconus* Swainson, 1840; type species: *Conus nussatella* Linnaeus, 1758; OD]

Included species:

- *nussatella* Linnaeus, 1758

Subgenus **Kalloconus da Motta, 1991**

*Type species: Conus pulcher* [Lightfoot], 1786; OD

[Synonyms: *Genuaconus* Tucker & Tenorio, 2009; type species: *Conus genuanus* Hwass in Bruguère, 1792; OD; n. syn. *Tronoconus* Tucker & Tenorio, 2009; type species: *Conus venulatus* Hwass in Bruguère, 1792; OD; n. syn.]

Included species:

- *atalantica* Kiener, 1850
- *atlanticoselvagem* Afonso & Tenorio, 2004
- *byssinus* (Röding, 1798)
- *genuanus* Linnaeus, 1758

Subgenus **Kelleyconus** Petuch, 2013

*Type species: Conus patae* Abbott, 1971; OD

Included species:

- *binghamae* Petuch, 1987
- *patae* Abbott, 1971
- *ignatus* Cargile, 1998

Subgenus **Klemaeconus** Tucker & Tenorio, 2013

*Type species: Rhizoconus klemare* Cotton, 1953; OD

[Synonym: *Continuconus* Tucker & Tenorio, 2013; type species: *Conus plinthis* Richard & Mooienbeek, 1988; OD; n. syn.]

Included species:

- *estiva* Mooienbeek & Richard, 1995
- *hirasei* (Kuroda, 1956)
- *klemare* (Cotton, 1953)

Subgenus **Lamniconus** da Motta, 1991

*Type species: Conus clerii* Reeve, 1844; OD

Included species:

- *carcellesi* Martins, 1945
- *clerii* Reeve, 1844
- *lemniscatus* Reeve, 1849
- *tulipa* Linnaeus, 1758

Subgenus **Lautoconus** Monerosato, 1923

*Type species: Conus mediterraneus* Hwass in Bruguère, 1792 [synonym of *Conus ventricosus* Gmelin, 1791]; OD

[Synonyms: *Africanus* Petuch, 1975; type species: *Conus cuneolus* Reeve, 1843; OD; n. syn. *Varicosus da Motta, 1991*; type species: *Conus variegatus* Kiener, 1848 OD; n. syn.]

Included species:

- *aemulus* Reeve, 1844
- *africanus* Kiener, 1848
- *albuquequei* Trovão, 1978
- *alexandrinus* Kaicher, 1977
- *allaryi* Bozzetti, 2008
- *anhelar* Rolán & Röckel, 2001
- *antonyi* (Cossignani, 2014) n. comb.
- *antonionotorii* Rolán, 1990
- *babansii* Rolán & Röckel, 2001
- *belairiensis* Pin & Leung Tack in Pin, 1989
- *bellulus* Rolán, 1990
- *bernardinoi* (Cossignani, 2014) n. comb.
- *boavistensis* Rolán & Fernandes, 1990
- *bocagei* Trovão, 1979
- *bruguieri* Kiener, 1846
- *bulbus* Reeve, 1843
- *cabraloi* (Cossignani, 2014) n. comb.
- *caaco* Ferrario, 1983
- *cageronganisis* (Cossignani, 2014) n. comb.
- *cavolar* Monteiro, 1980
- *catlephasis* Rolán & Fernandes, 1990
- *fantasmalis* Rolán, 1990
- *felitae* Rolán, 1990
- *fidescri* (Tenorio, Afonso & Rolán, 2014) n. comb.
- *fimleri* Rolán & Röckel, 2000
- *flavosalbus* Rolán & Röckel, 2000
- *fontonae* Rolán & Trovão, 1990
- *franciscoi* Rolán & Röckel, 2000
- *furnae* Rolán, 1990
- *fuscoclayus* Röckel, Rolán & Monteiro, 1980
- *fuscolumateus* G. B. Sowerby III, 1905
- *ganzonii* (Afonso & Tenorio, 2014) n. comb.
- *grahami* Röckel, Casel & Burnay, 1980
- *guanche* Lauer, 1993
- *guinacius* Hwass in Bruguère, 1792
- *hybridus* Kiener, 1847
- *infinitus* Rolán, 1990
- *irregularis* G. B. Sowerby II, 1838
- *isabelarum* Tenorio & Afonso, 2004
- *josephinae* Rolán, 1980
- *joserchoi* (Cossignani, 2014) n. comb.
- *journardi* da Motta, 1984
- *kersteni* Tenorio, Afonso & Rolán, 2008
- *lineopectinati* Kaicher, 1977
- *lobentensis* Kaicher, 1977
- *longilineus* Röckel, Rolán & Monteiro, 1980
- *lugsbri* Reeve, 1849
- *luquei* Rolán & Trovão, 1990
- *maioensis* Trovão, Rolán & Félix-Alves, 1990
- *melonae* Tenorio & Afonso & Rolán, 2008
- *mercator* Linnaeus, 1758
- *messiasii* Rolán & Fernandes, 1990
- *micropectinati* Rolán & Röckel, 2000
- *calhetae* Rolán, 1990
- *cepaopeni* Trovão, 1975
- *chytrenoi* Tryon, 1884
- *claudiae* Tenorio & Afonso, 2004
- *cloveri* Walls, 1978
- *icteris* (Afonso & Tenorio, 2014) n. comb.
- *clavolus* Tenorio & Afonso, 2004
- *crotchii* Reeve, 1849
- *cuneolus* Reeve, 1843
- *curreanii* Rolán, 1986
- *damottai* Trovão, 1979
- *decusae* Rolán & Monteiro, 1980
- *delanoyae* Trovão, 1979
- *denizi* (Afonso & Tenorio, 2011) n. comb.
**Subgenus Leporiconus Iredale, 1930**

*Type species:* *Conus glans* Hwass in Bruguière, 1792; OD

- Included species:
  - *coffeea* Gmelin, 1791
  - *glans* Hwass in Bruguière, 1792
  - *granum* Röckel & Fischöder, 1985

**Subgenus Leptoconus Swainson 1840**

*Type species:* *Conus amadis* Gmelin, 1791; SD, Herrmannsen (1847: 504)

- [Synonym: *Nataliconus* Tucker & Tenorio, 2009; type species: *Conus natalis* G. B. Sowerby II, 1838; OD; n. syn.]

- Included species:
  - *amadis* Gmelin, 1791
  - *hamanni* Fainzilber & Ménis, 1986
  - *immelmani* Korn, 1998
  - *kaawamurai* Habe, 1962
  - *locumtenens* Blumenbach, 1791
  - *milneedwardii* Jousseaume, 1894
  - *natalis* G. B. Sowerby II, 1838
  - *ruyakensi* (S. G. Veldman, 2010) n. comb.

**Subgenus Lindaconus Petuch, 2002**

*Type species:* *Conus lindae* Petuch, 1987; OD

- [Synonym: *Spariconus* Petuch, 2003; type species: *Conus spurius* Gmelin, 1791; OD]

- Included species:
  - *bahamensis* Vink & Röckel, 1995
  - *lepidus* Petuch, 1993
  - *lindae* Petuch, 1987

**Subgenus Lithoconus Möchö, 1852**

*Type species:* *Conus millepunctatus* Lamarck, 1822 [synonym of *Conus leopardus* Röding, 1798]; SD, Cossmann (1896: 186)

- Included species:
  - *leopardus* Röding, 1798

**Subgenus Lividoconus Wils, 1970**

*Type species:* *Conus lividus* Hwass in Bruguière, 1792; OD

- [Synonym: *Calamiconus* Tucker & Tenorio, 2009; type species: *Conus lischkeanus* Weinkauff, 1875; OD; n. syn.]

- Included species:
  - *diadema* G. B. Sowerby I, 1834
  - *dorsalis* Poppe & Tagaro, 2005
  - *eximius* Reeve, 1849
  - *floridulus* A. Adams & Reeve, 1848
  - *garywilsoni* Lorenz & Morrison, 2004
  - *kermadeccensis* Iredale, 1913
  - *lischkeanus* Weinkauff, 1875
  - *lividus* Hwass in Bruguière, 1792
  - *muciculatus* G. B. Sowerby I, 1833
  - *sanguinolentus* [Lightfoot], 1786
  - *sanguinolentus* Quoy & Gaimard, 1834

**Subgenus Montieroconus da Motta, 1991**

*Type species:* *Conus ambiguus* Reeve, 1844; OD

- [Synonym: *Gladioconus* Tucker & Tenorio, 2009; type species: *Conus gladiator* Broderip, 1833; OD; n. syn.]

- Included species:
  - *ambiguus* Reeve, 1844
  - *belloque* van Rossum, 1996
  - *gladiator* Broderip, 1833

**Subgenus Papyriconus Tucker & Tenorio, 2013**

*Type species:* *Conus sculetto* Marsh, 1962; OD

- Included species:
  - *sculetto* Marsh, 1962

**Subgenus Phasmoconus Möchö, 1852**

*Type species:* *Conus radiatus* Gmelin, 1791; SD, Cotton (1945: 250)

- [Synonym: *Fuliginous da Motta, 1991; type species: *Conus moluccensis* Kuster, 1839; OD; n. syn.; *Graphiconus da Motta, 1991; type species: *Conus inscriptus* Reeve, 1843; OD; n. syn.; *Thoracoma da Motta, 1991; type species: *Conus exigus* Lamarck, 1810; OD; n. syn.; *Nimbiconus Tucker & Tenorio, 2013; type species: *Conus nimbosus* Hwass in Bruguière, 1792; OD; n. syn.]

- Included species:
  - *alabaster* Reeve, 1849
  - *alexandrei* (Limpaläer & Monnier, 2012) n. comb.
  - *amplus* Röckel & Korn, 1992
  - *bangsii* Röckel & Korn, 1992

- *andamanensis* E. A. Smith, 1879
- *angioiorum* Röckel & Mooney, 1992
Conus Consors

Type species: Conus advertex (Garrard, 1961); OD

Included species:
- adami Wils, 1988
- advertex (Garrard, 1961)
- angasi Tryon, 1884
- baeri Röckel & Korn, 1992
- banggiliolii (Bozzetti, 2010)
- barthelemyi Bernardi, 1861
- boutevroy Richard & Rabiller, 2013
- catus Hwass in Bruguier, 1792
- circumcissus Born, 1778
- consors G. B. Sowerby I, 1833
- fischoerleri Röckel & da Motta, 1983
- flavus G. B. Sowerby I, 1843
- fulmen Reeve, 1843
- gauguini Richard & Salvat, 1973
- stercusmuscarum Linnaeus, 1758
- striatus Linnaeus, 1758
- gubernator Hwass in Bruguier, 1792
- koukei (Monnier, Limpalaeër & Robin, 2013) n. comb.
- lebotttonii Lorenz, 2006
- magus Linnaeus, 1758
- monachus Linnaeus, 1758
- morrisoni G. Raybaudi Massilia, 1991
- nigromaculatus Röckel & Moolenbeek, 1992
- nigropunctatus G. B. Sowerby II, 1858
- robini (Limpalaeër & Monnier, 2012) n. comb.
- rouxi (Monnier, Limpalaeër & Robin, 2013) n. comb.
- striolatus Kiener, 1848

Subgenus Plicaustraconus Moolenbeek, 2008

Type species: Conus advertex (Garrard, 1961); OD

Included species:

Subgenus Plicaustraconus Tucker & Tenorio, 2009

Type species: Conus boschorum Moolenbeek & Coomans, 1993; OD

Included species:

Subgenus Pseudolilliconus Tucker & Tenorio, 2009

Type species: Conus carnalis G. B. Sowerby III, 1879; OD

Included species:

Subgenus Pseudonudolconus Tucker & Tenorio, 2009

Type species: Conus pseudonudolconus Tucker & Tenorio, 2009; OD

Included species:

Subgenus Pseuadoptrygia Tucker & Tenorio, 2013

Type species: Conus terryi Tenorio & Poppe, 2004; OD

Included species:

Subgenus Puncticulis Swainson, 1840

Type species: Conus arenatus Hwass in Bruguier, 1792; M.

Included species:
Subgenus *Pyruconus* Olsson, 1967

Type species: *Conus patricius* Hinds, 1843; OD

Included species:
- *C. fergusoni* G. B. Sowerby II, 1834

Remarks: Even though the two species are not in the same group in the molecular phylogeny, and to avoid the creation of a new subgeneric name, we have followed Tucker & Tenorio (2009), who placed *C. fergusoni* and *C. patricius* in the same genus, *Pyruconus* (here ranked as subgenus), based on radula and shell characters.

Subgenus *Quasiconus* Tucker & Tenorio, 2009

Type species: *Conus melvilli* G. B. Sowerby III, 1879; OD

Included species:
- *melvilli* G. B. Sowerby III, 1879

Subgenus *Rhizoconus* Möhr, 1832

Type species: *Conus miles* Linnaeus, 1758; SD, Cossmann (1896: 162)

Included species:
- *capitaneus* Linnaeus, 1758
- *cumingii* Reeve, 1848
- *hyna* Hwass in Bruguier, 1792
- *miles* Linnaeus, 1758
- *mustelinus* Hwass in Bruguier, 1792
- *namocanus* Hwass in Bruguier, 1792

Subgenus *Rubroconus* Tucker & Tenorio, 2013

Type species: *Conus coccineus* Gmelin, 1791; OD

Included species:
- *coccineus* Gmelin, 1791

Subgenus *Sandericonus* Petuch, 2013

Type species: *Conus sanderi* Wils & Moolenbeek, 1979; OD

Included species:
- *cariosa* Petuch, 1986
- *ednae* (Petuch, 2013) n. comb.
- *sanderi* Wils & Moolenbeek, 1979

Subgenus *Sciteconus* da Motta, 1991

Type species: *Conus algoensis* G. B. Sowerby I, 1834; OD

Included species:
- *algoensis* G. B. Sowerby I, 1834
- *bairstäeri* G. B. Sowerby III, 1889
- *brianhayesi* Korn, 2001

Subgenus *Splinoconus* da Motta, 1991

Type species: *Conus biliosus* Röding, 1798; OD

[Synonyms: *Kioconus* da Motta, 1991; type species: *Conus reclusianus* Bernardi, 1853; OD; n. syn. *Ongoconus* da Motta, 1991; type species: *Conus voluminalis* Reeve, 1843; OD; Precedence of *Splinoconus* (established at the rank of genus) over simultaneously established *Kioconus* and *Ongoconus* (established at the rank of subgenus) determined by ICZN (1999) Art. 24.1. *Stelleconus* Tucker & Tenorio, 2009; type species: *Conus malacanus* Hwass in Bruguier, 1792; OD; n. syn. *Isaconus* Tucker & Tenorio, 2013; type species: *Conus corallinus* Kiener, 1847; OD; n. syn. *Nitidoconus* Tucker & Tenorio, 2013; type species: *Conus boeticus* Reeve, 1844; OD; n. syn.]

Included species:
- *alconelli* da Motta, 1986
- *bayani* Jousseaume, 1872
- *biliosus* (Röding, 1798)
- *boeticus* Reeve, 1844
- *capitaneus* Hwass in Bruguier, 1792
- *capitellus* Fulton, 1938
- *caproilos* Roèckel, 1985
- *corallinus* Kiener, 1847
- *corallinus* Kiener, 1847
- *danaili* Roèckel & Korn, 1990
- *dayriti* Roèckel & da Motta, 1983
- *depressus* Lorenz, 2001
- *fumigatus* Hwass in Bruguier, 1792
- *gilberti* (Bozzetti, 2012) n. comb.
- *gloriakiiensis* Kuroda & Ito, 1963
- *hamamotii* Yoshiha & Koyama, 1984
- *inevati* da Motta & Roèckel, 1982
- *malacanus* Hwass in Bruguier, 1792
- *maloconus* da Motta, 1987
- *nucleus* Reeve, 1848
- *olgiatii* Bozzetti, 2007
- *paternissimus* Filmer, 2011
- *queenslandia* da Motta, 1984
- *reclusianus* Bernardi, 1853
- *reductaspiralis* Walls, 1979
- *richardsae* Roèckel & Korn, 1990
- *roseorapum* G. Raybaudi & da Motta, 1990
- *ruhahae* (Monnier & Limpalær, 2013) n. comb.
- *shikamae* Shikama, 1970
- *shikamae* Coomans, 1990
- *sakamoe* Moolenbeek & Wils, 1985
- *sukhadwalai* Roèckel & da Motta, 1983
- *tshishmanus* Kuroda & Ito, 1961
- *vanwijleni* (Moolenbeek & Zandbergen, 2013) n. comb.
- *viola* Cernohorsky, 1977
- *voluminalis* Reeve, 1843

Subgenus *Stephanococonus* Möhr, 1852

Type species: *Conus leucostictus* Gmelin, 1791 [= *Conus regius* Gmelin, 1791]; SD, Wenz (1943: 1469)

[Synonyms: *Rhombus* Montfort, 1810 (invalid; junior homonym of *Rhombus* Walbaum, 1792); type species: *Conus imperialis* Linnaeus, 1758; OD. *Cornutus* Suzuki, 1972; type species: *Cornutuslanellatus* Suzuki, 1972 (= *Conus chiangi* (Azuma, 1972)); OD. *Tarantocconus* Azuma, 1972; type species: *Conus chiangi* (Azuma, 1972); OD; n. syn. *Protoconus* da Motta, 1991 (invalid; junior homonym of *Protoconus* Yu, 1979 and *Protoconus* Stinchcomb, 1986); type species: *Conus cedonulli* Linnaeus, 1767; OD. *Seminoleconus* Petuch, 2003; type species: *Conus violaceus* Petuch 1988 (Pliocene); OD. *Rhombiconus* Tucker & Tenorio, 2009; type species: *Conus imperialis* Linnaeus, 1758; OD; n. syn. *Tentoonconus* Petuch & Droshagen, 2011; type species: *Conus cedonulli* Linnaeus, 1767; OD; n. syn.]
Included species:
archon Broderip, 1833
aurantius Hwass in Bruguieré, 1792
bartschi G. D. Hanna & Strong, 1949
brunaeus Wood, 1828
cedonulli Linnaeus, 1767
chiangi (Azuma, 1972)
curassavensis Hwass in Bruguieré, 1792
dominianus Hwass in Bruguieré, 1792
duffy Petuch, 1992
harlandi Petuch, 1987

Subgenus Strategoconus da Motta, 1991
Type species: Conus generalis Linnaeus, 1767; OD

[Synonym: Vituliconus da Motta, 1991; type species: Conus vitulinus Hwass in Bruguieré, 1792 (= Conus planorbis Born, 1778); OD; n. syn. Bolanicus Tucker & Tenorio, 2009; type species: Conus varius Linnaeus, 1758; OD; n. syn.]

Included species:
aethena Elmer, 2011
augur [Lightfoot], 1786
axelrodi Walls, 1978
bunius (Bozzetti, 2013)
n comb.
generalis Linnaeus, 1767
hanhassii (Lorenz & Barbier, 2012) n. comb.
hitanius Moolenbeek, Zandbergen & Bouchet, 2008
litophilus Hwass in Bruguieré, 1792
maldeus Hwass in Bruguieré, 1792

Subgenus Tesselliconus da Motta, 1991
Type species: Conus tessulatus Born, 1778; OD

Included species:
eburneus Hwass in Bruguieré, 1792
edaphus Dall, 1910

Subgenus Textilia Swainson, 1840
Type species: Conus bullatus Linnaeus, 1758; SD, Cotton (1943: 261)

Included species:
adamsii Broderip, 1836
bullatus Linnaeus, 1758
cerus Lamarck, 1822
chiapponorum Lorenz, 2004
dusaveli (H. Adams, 1872)
jjii Liénard, 1870

Subgenus Turricous Shikama & Habe, 1968
Type species: Turricous nakayasui Shikama & Habe, 1968 [synonym of Conus excelsus G. B. Sowerby III, 1808]; OD
[Synonyms: Kurodaconus Shikama & Habe, 1968; type species: Embrikena stupa Kuroda, 1956; OD; n. syn. Mitraconus Tucker & Tenorio, 2013; type species: Conus mitratus Hwass in Bruguieré, 1792; OD; n. syn.]

Included species:
acutangulus Lamarck, 1810
andremenezi Olivera & Biggs, 2010
beatrix Tenorio, Poppe & Tagaro, 2007
cylindraceus Broderip & G. B. Sowerby I, 1830
cylindraceus Broderip & G. B. Sowerby I, 1830
excelsus G. B. Sowerby III, 1908
gondwanensis Röckel & Moolenbeek, 1995
grataaupii Pilsbry, 1904
luciae Moolenbeek, 1986
millesi E. A. Smith, 1887
minnieculsus Olivera & Biggs, 2010
mitratus Hwass in Bruguieré, 1792
praeclells A. Adams, 1855
rization Olivera & Biggs, 2010
stupa (Kuroda, 1956)
stupella (Kuroda, 1956)

Subgenus Virgicous Cotton, 1945
Type species: Conus virgo Linnaeus, 1758; OD

[Synonym: Pseudohermes Tucker & Tenorio 2013; type species: Conus austroviolae Röckel & Korn, 1992; OD; n. syn.]

Included species:
ariopus G. B. Sowerby I, 1833
austroviolae Röckel & Korn, 1992
deralious Veillard, 1972
colinae Crosse, 1858
dmacarius Reeve, 1849
flavidus Lamarrco, 1810
frigidus Reeve, 1848
kintoki Habe & Kosuge, 1970
moreleti Crosse, 1858
sperchi Bartisch & Rehder, 1943
terebra Born, 1778
tethys (Petuch & Sargent, 2011)
n comb.
violeae Linnaeus, 1791
virgo Linnaeus, 1758

Subgenus Virroconus Iredale, 1930
Type species: Conus ebraeus Linnaeus, 1758; OD

[Synonyms: Dysapis Iredale, 1949; type species: Conus doro-reensis Péron, 1807; OD, n. syn. Miliariconus Tucker & Tenorio, 2009; type species: Conus miliaris Hwass in Bruguieré, 1792; OD, n. syn.]

Included species:
abbreviatus Reeve, 1843
aristophanes G. B. Sowerby II, 1857
chaleus (Roding, 1798)
coronalis Gmelin, 1791
dorreensis Péron, 1807
ebraeus Linnaeus, 1758
encaustus Kiener, 1845
judaicus Bergh, 1895
lecurtorum (Lorenz, 2011)
miliaris Hwass in Bruguieré, 1792
taeniatu Hwass in Bruguieré, 1792
thiarius G. B. Sowerby I, 1833

Incertae Sedis

Genus Kenyonia Brazier, 1896
Type species: Kenyonia pulcherrima Brazier, 1896; M

Included species:
pulcherrima Brazier, 1896

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M. PUILLANDRE ET AL.
### Appendix Table 1. List of the valid Recent species of cones and their current classification.

| Species          | Genus (Subgenus)                                      |
|------------------|------------------------------------------------------|
| abbas            | Conus (Cylinder)                                     |
| abbreviates      | Conus (Virroconus)                                   |
| abrothosensis    | Conus (Dauciconus)                                   |
| achatinus        | Conus (Pionoctus)                                    |
| aculeiformis     | Conasprella (Fusiconus)                              |
| acutangulus      | Conus (Tornocorus)                                   |
| adami            | Conus (Picauroconus)                                 |
| adamsonii        | Conus (Dauciconus)                                   |
| adimunensis      | Conus (Textillicus)                                  |
| adrex            | Conasprella (Ximeniconus)                            |
| aemelinus        | Conus (Phasmoconus)                                  |
| angasi           | Conus (Dauciconus)                                   |
| angioiorum       | Conus (Lautoconus)                                   |
| anglia           | Conus (Lautoconus)                                   |
| aemelis          | Conus (Dauciconus)                                   |
| aemus            | Conus (Lautoconus)                                   |
| africanus        | Conus (Dauciconus)                                   |
| alabaster        | Conasprella (Conasprella)                            |
| alicantiflorus   | Conus (Phasmoconus)                                  |
| alicantis        | Conus (Leptoconus)                                   |
| algosa           | Conus (Dauciconus)                                   |
| alba              | Conus (Lautoconus)                                   |
| albula            | Conus (Pionoctus)                                    |
| alkelyi          | Conus (Cylinder)                                     |
| allamandia        | Conus (Phasmoconus)                                  |
| allaryi           | Conus (Cylinder)                                     |
| amadis           | Conus (Dauciconus)                                   |
| amalthea          | Conus (Lautoconus)                                   |
| amargaretta      | Conus (Dauciconus)                                   |
| ambiguo          | Conus (Phasmoconus)                                  |
| ambrothosensis    | Conus (Lautoconus)                                   |
| ambola            | Conus (Dauciconus)                                   |
| amberinae         | Conus (Dauciconus)                                   |
| amarilla          | Conus (Dauciconus)                                   |
| amphirherius     | Conus (Lautoconus)                                   |
| ampluus          | Conus (Dauciconus)                                   |
| anabathrum       | Conus (Lautoconus)                                   |
| anabeleae        | Conus (Dauciconus)                                   |
| anaglyptica      | Conus (Dauciconus)                                   |
| andamanensis     | Conus (Dauciconus)                                   |
| andreanussis     | Conus (Dauciconus)                                   |
| anthonyi         | Conus (Dauciconus)                                   |
| antoniai         | Conus (Dauciconus)                                   |
| ariacidae         | Conus (Dauciconus)                                   |
| aphrodis          | Conus (Dauciconus)                                   |
| arafunensis       | Conus (Dauciconus)                                   |
| aragaoi          | Conus (Dauciconus)                                   |
| arakawa           | Conus (Dauciconus)                                   |
| archon            | Conus (Dauciconus)                                   |
| arcuata           | Conus (Dauciconus)                                   |
| ardisaceaus       | Conus (Dauciconus)                                   |
| arenatus          | Conus (Dauciconus)                                   |
| aristophanes     | Conus (Dauciconus)                                   |

### Appendix Table 1. Continued

| Species          | Genus (Subgenus)                                      |
|------------------|------------------------------------------------------|
| armeiger         | Conasprella (Dalicconus)                             |
| articulata       | Conasprella (Conasprella)                            |
| artopus          | Conus (Virgoconus)                                   |
| asiaticus        | Conus (Phasmoconus)                                  |
| ateralis         | Conus (Kalloconus)                                   |
| atheneae         | Conus (Strategoconus)                                |
| atimovatae       | Conus (Pionoconus)                                   |
| atlanticoselvagem| Conus (Kalloconus)                                   |
| attenuatus       | Conus (Atteniconus)                                  |
| augur            | Conus (Strategoconus)                                |
| aulanus          | Conus (Phasmoconus)                                  |
| aurantius        | Conus (Darioconus)                                   |
| aureinonimbosus  | Conus (Darioconus)                                   |
| aureopunctatus   | Conus (Dacioconus)                                   |
| aures            | Conus (Darioconus)                                   |
| auraunicus       | Conus (Darioconus)                                   |
| auriosconus      | Conus (Darioconus)                                   |
| austrius         | Conus (Darioconus)                                   |
| austroviola      | Conus (Darioconus)                                   |
| axiul              | Conus (Darioconus)                                   |
| babaenae          | Conus (Darioconus)                                   |
| baclata           | Conus (Darioconus)                                   |
| baelerio         | Conus (Darioconus)                                   |
| baerlinus         | Conus (Darioconus)                                   |
| bahamensis       | Conus (Darioconus)                                   |
| baileyi          | Conus (Darioconus)                                   |
| bainjensis       | Conus (Darioconus)                                   |
| balbacinensis     | Conus (Darioconus)                                   |
| balteatus         | Conus (Darioconus)                                   |
| bandidus          | Conus (Darioconus)                                   |
| barbieri          | Conus (Darioconus)                                   |
| barthelmyi       | Conus (Darioconus)                                   |
| bartoschi         | Conus (Darioconus)                                   |
| bayani            | Conus (Darioconus)                                   |
| bayeri           | Conus (Darioconus)                                   |
| beatrix           | Conus (Darioconus)                                   |
| belairensis       | Conus (Darioconus)                                   |
| bellocae         | Conus (Darioconus)                                   |
| bellulcus         | Conus (Darioconus)                                   |
| bengalenisi       | Conus (Phasmoconus)                                  |
| berdulina         | Conus (Phasmoconus)                                  |
| bernardinoi      | Conus (Phasmoconus)                                  |
| bertschaueri      | Conus (Phasmoconus)                                  |
| bessei            | Conus (Phasmoconus)                                  |
| betulinus         | Conus (Phasmoconus)                                  |
| biciacae          | Conus (Phasmoconus)                                  |
| bilorus           | Conus (Phasmoconus)                                  |
| biraghi           | Conus (Phasmoconus)                                  |
| blanfordianus    | Conus (Phasmoconus)                                  |
| bocagotrovao     | Conus (Phasmoconus)                                  |
| boheicus          | Conus (Phasmoconus)                                  |
| boholensis        | Conus (Phasmoconus)                                  |

Continued
**Appendix Table 1. Continued**

| Species | Genus (Subgenus) |
|---------|------------------|
| bondarevi Röckel & G. Raybaudi Massilia, 1992 | Conus (Spinoliconus) |
| bondigilii (Bozzetti, 2010) | Conus (Plicostauroconus) |
| borgesi Trovão, 1979 | Conus (Lautoconus) |
| boschorum Moolenbeek & Coomans, 1993 | Conus (Pseudoliconus) |
| boucheti (Richard, 1983) | Conasprella (Conasprella) |
| bouda Motta, 1988 | Conus (Dauciconus) |
| boutetorum Richard & Rabiller, 2013 | Conus (Pionoconus) |
| bozzetti (Lauer, 1991) | Conasprella (Conasprella) |
| brianhayesi Korn, 2001 | Conus (Scitilcone) |
| broderipi Reeve, 1844 | Conus (Phasmocorus) |
| bruquieri Kien, 1846 | Conus (Lautoconus) |
| brunnecostatus Petuch, 1992 | Conus (Dauciconus) |
| brunnecostaturus Petuch, 1990 | Conus (Dauciconus) |
| brunnus Wood, 1828 | Conus (Stephanoconus) |
| bruuni Powell, 1958 | Conus (Afonsoconus) |
| builbus Reeve, 1843 | Conus (Lautoconus) |
| bullatus Linneaus, 1758 | Conus (Textilia) |
| bunius (Bozzetti, 2013) | Conus (Strategocorus) |
| buryae Clench, 1942 | Conus (Dauciconus) |
| buxeus (Röding, 1798) | Conus (Dendroconus) |
| byssinus (Röding, 1798) | Conus (Kalloconus) |
| cabraloi (Cossignani, 2014) | Conus (Lautoconus) |
| cacao Ferrario, 1942 | Conus (Lautoconus) |
| cagarralensis (Cossignani, 2014) | Conus (Lautoconus) |
| calhetae Rolañ, 1990 | Conus (Spinoliconus) |
| californicus (Reeve, 1844) | Conus (Lautoconus) |
| californiae (Reeve, 1844) | Californicorus |
| cancelatilus Hwass in Bruguier, 1792 | Conus (Dauciconus) |
| canonicus Hwass in Bruguier, 1792 | Conus (Cylinder) |
| capitanellus Fulton, 1938 | Conus (Spinoliconus) |
| capitaneus Linneaus, 1758 | Conus (Rhizoconus) |
| capreolus Röckel, 1985 | Conus (Spinoliconus) |
| cariosus Fischer von Waldheim, 1807 | Conus (Punctilicus) |
| carcellesi Martins, 1945 | Conus (Lamnicorus) |
| cardinals Hwass in Bruguier, 1792 | Conus (Dauciconus) |
| carigle Coltro, 2004 | Conus (Dauciconus) |
| carioca Petuch, 1986 | Conus (Sandericonus) |
| camais G. B. Sowerby III, 1879 | Conus (Sandericonus) |
| castaneus Kien, 1848 | Conus (Pseudonodosucoconus) |
| catus Hwass in Bruguier, 1792 | Conus (Dauciconus) |
| cavailloni Fenaux, 1942 | Conus (Pionoconus) |
| caysalaens L. Raybaudi & Prati, 1994 | Conus (Phasmocorus) |
| cebuenus Wils, 1990 | Conus (Dauciconus) |
| cedonulli Linneaus, 1767 | Conus (Phasmocorus) |
| centurio (Born, 1778) | Conus (Stephanoconus) |
| cepasi Trovão, 1975 | Conasprella (Kohnicorus) |
| cerutti Cargile, 1997 | Conus (Lautoconus) |
| cervus Lamarck, 1822 | Conus (Dauciconus) |
| chaldaeus (Röding, 1798) | Conus (Textilia) |
| chiangi (Azuma, 1972) | Conus (Dauciconus) |
| chiapponorum Lorenz, 2004 | Conus (Textilia) |
| chytreus Tryon, 1884 | Conus (Lautoconus) |
| cidervyi da Motta, 1885 | Conus (Phasmocorus) |
| cinereus Hwass in Bruguier, 1792 | Conus (Phasmocorus) |

**Appendix Table 1. Continued**

| Species | Genus (Subgenus) |
|---------|------------------|
| cingulatus Lamarck, 1810 | Conus (Dauciconus) |
| circumactus Iredale, 1929 | Conus (Stephanoconus) |
| circumsitus Born, 1778 | Conus (Pionoconus) |
| clarius E. A. Smith, 1881 | Conus (Mamiconus) |
| claudiae Tenorio & Afonso, 2004 | Conus (Lautoconus) |
| clieni Reeve, 1844 | Conus (Lamnicorus) |
| cloveri Walls, 1798 | Conus (Lautoconus) |
| cocceus Reeve, 1844 | Conus (Rhizoconus) |
| cocosinus Gmelin, 1791 | Conus (Rubroconus) |
| coelinae Crosse, 1858 | Conus (Virgiconus) |
| coffeae Gmelin, 1791 | Conus (Leporiconus) |
| collius Reeve, 1849 | Conus (Phasmocorus) |
| colmani Röckel & Korn, 1990 | Conus (Eremiconus) |
| colombolus Petuch, 1987 | Conus (Dauciconus) |
| colturrorum (Petuch & R. F. Myers, 2014) | Conus (Dauciconus) |
| comatosa (Pilsbry, 1904) | Conasprella (Fusiconus) |
| compressus G. B. Sowerby II, 1866 | Conus (Fusiconus) |
| condei (Afonso & Tenorio, 2014) | Conus (Lautoconus) |
| consors G. B. Sowerby I, 1833 | Conus (Pionoconus) |
| conspersus Reeve, 1844 | Conus (Phasmocorus) |
| corallinus Kien, 1847 | Conus (Spinoliconus) |
| cordigera G. B. Sowerby II, 1866 | Conus (Eugonicus) |
| coriolisi (Röckel, Richard & Moolenbeek, 1995) | Conasprella (Fusiconus) |
| coromandelica (E. A. Smith, 1894) | Conasprella |
| coronatus Gmelin, 1791 | Conus (Virroconus) |
| crioulius Tenorio & Afonso, 2004 | Conus (Lautoconus) |
| crocatus Lamarck, 1810 | Conus (Dairoconus) |
| crotchi Reeve, 1849 | Conus (Lautoconus) |
| cuminghi Reeve, 1848 | Conus (Rhizoconus) |
| cuna Petuch, 1998 | Conus (Atlanticus) |
| cuneolus Reeve, 1843 | Conus (Lautoconus) |
| curassaviensis Hwass in Bruguier, 1792 | Conus (Stephanoconus) |
| curralensis Rolan, 1866 | Conus (Lautoconus) |
| cuvieri Crosse, 1858 | Conus (Gastridium) |
| cyanostoma A. Adams, 1855 | Conus (Mamiconus) |
| cylandraceus Broderip & G. B. Sowerby I, 1830 | Conus (Turiconus) |
| dalli Stearns, 1873 | Conus (Cylinder) |
| damasoi (Cossignani, 2007) | Conasprella (Ximeniconus) |
| damottai Trovão, 1979 | Conus (Lautoconus) |
| dampierensis Coombs & Filmer, 1985 | Conus (Phasmoconus) |
| danilai Röckel & Korn, 1990 | Conus (Sandericonus) |
| daphne Boivin, 1864 | Conus (Phasmoconus) |
| darkini Röckel, Kon & Richard, 1993 | Conus (Embrikena) |
| daucus Hwass in Bruguier, 1792 | Conus (Dauciconus) |
| dayniti Röckel & da Motta, 1983 | Conus (Sandericonus) |
| decoratus Röckel, Rolan & Monteiro, 1980 | Conus (Lautoconus) |
| deleneyoi (Goethaels & D. Monsecour, 2013) | Conus (Stephanoconus) |
| delanoyae Trovão, 1979 | Conus (Lautoconus) |
| delesserti (Récluz, 1843) | Conasprella (incertae sedis) |
| denizi (Afonso & Tenorio, 2011) | Conus (Lautoconus) |
| derrubado Rolan & Fernandes, 1990 | Conus (Lautoconus) |
| desidiosus A. Adams, 1853 | Conus (Lautoconus) |
| deynsieur Petuch, 1995 | Conus (Dauciconus) |
| diadema G. B. Sowerby I, 1834 | Conus (Lividococonus) |
| Species                  | Genus (Subgenus)                  |
|-------------------------|-----------------------------------|
| dianthus G. B. Sowerby III, 1882 | Conus (Dauciconus)               |
| dictator (Melvill, 1898)      | Conasprella (Fusiconus)          |
| diegoi (Cossignani, 2014)     | Conus (Lautoconus)               |
| dieteri (Moolenbeek, Zandbergen & Bouchet, 2008) | Conasprella (Fusiconus)          |
| diminutus Trovão & Rolán, 1986 | Conus (Lautoconus)               |
| dispar G. B. Sowerby I, 1833 | Conus (Dauciconus)               |
| distans Hwass in Brugièrè, 1792 | Conus (Fraterconus)               |
| dominicanus Hwass in Brugièrè, 1792 | Conus (Stephanococus)           |
| dordaei (Kosuge, 1981)       | Conus (Diacicus)                 |
| dornae Petuch, 1996         | Conus (Diacicus)                 |
| dorotheae Monnier & Limpalaër, 2010 | Conus (Lautoconus)               |
| dorotheae Pèron, 1807       | Conus (Vircoconus)               |
| dufyfi Petuch, 1992         | Conus (Stephanococus)            |
| dusavei (H. Adams, 1872)     | Conus (Teutix)                   |
| ebraeus Linnaeus, 1758      | Conus (Vircoconus)               |
| eburneae Hwass in Brugièrè, 1792 | Conus (Tesselconus)             |
| echinophilus (Petuch, 1975) | Conus (Lautoconus)               |
| echo Lauer, 1989            | Conus (Darioconus)               |
| edaphus Dall, 1910          | Conus (Tesselconus)              |
| ednae (Petuch, 2013)        | Conus (Sandericonus)             |
| edwardpauli Petuch, 1998    | Conus (Diacicus)                 |
| elenk Red Morrison, 1955    | Conus (Gastridium)               |
| elegans (G. B. Sowerby III, 1895) | Conasprella (Fusiconus)          |
| eleutheranesis (Petuch, 2013) | Conus (Diacicus)                |
| elokismenos (Kidburn, 1975)  | Conasprella (Fusiconus)          |
| emaciatus Reeve, 1849       | Conus (Vircoconus)               |
| emarginata (Reeve, 1844)    | Conasprella (Kohnicocus)         |
| emersonia (G. D. Hanna, 1963) | Conus (Kohlconus)               |
| empressae Lorenz, 2001      | Conus (Vircoconus)               |
| encaustus Kiener, 1845      | Conus (Vircoconus)               |
| episcopalus da Motta, 1982  | Conus (Sandericonus)             |
| ericmonnieri (Petuch & R. F. Myers, 2014) | Conasprella (Ximeniconus)      |
| ermineus Born, 1778         | Conus (Chelyconus)               |
| ernest Petuch, 1990         | Conus (Diacicus)                 |
| erythraeusis Reeve, 1843    | Conus (Phasmoconus)              |
| escondial Poppe & Tagaro, 2005 | Conus (Lividicoconus)            |
| estival Moolenbeek & Richard, 1995 | Conus (Klemaconus)             |
| eucorona (G.B. Sowerby III, 1903) | Conasprella (Conasprella)      |
| eugrammatica (Bartsch & Rehder, 1943) | Conasprella (Conasprella)      |
| evansi Bondarev, 2001       | Conus (Phasmoconus)              |
| eversoni Petuch, 1987       | Conus (Attenicusinus)            |
| evorai Monteiro, Fernandes & Rolán, 1995 | Conus (Lautoconus)              |
| excelsus G. B. Sowerby III, 1908 | Conus (Turricocus)              |
| exigusus Lamarck, 1810      | Conus (Phasmoconus)              |
| eximius Reeve, 1849         | Conus (Lividicoconus)            |
| explorator Vink, 1990       | Conus (Diacicus)                 |
| fantasmale Rolán, 1990      | Conus (Lautoconus)               |
| feltiae Rolán, 1990         | Conus (Lautoconus)               |
| felix Fenzan, 2012          | Conus (Plicastraconus)           |
| fenzeni (Petuch & Sargent, 2011) | Conasprella (Kohnocraticus)      |
| fergusoni G. B. Sowerby II, 1873 | Conus (Pyriconus)               |
| fernandesii Tenerio, Afonso & Rolán, 2008 | Conus (Lautoconus)              |
| fernugneus Hwass in Brugièrè, 1792 | Conus (Strategonus)             |
| fiadeiroi (Tenerio, Afonso, Cunha & Rolán, 2014) | Conus (Lautoconus)              |
| figulinus Linnaeus, 1758    | Conus (Dendoconus)               |
## Appendix Table 1. Continued

| Species | Genus (Subgenus) |
|---------|------------------|
| gratacapili Pilsbry, 1904 | Conus (Leporiconus) |
| grohi (Tenorio & Poppe, 2004) | Conus (Turriconus) |
| guanchn Lauer, 1993 | Conus (Endemoconus) |
| guanyrensis Van Mol, 1973 | Conus (Apolauconus) |
| hakui, 2002 | Conus (Apolauconus) |
| hamamotoyoshiva Koyama, 1984 | Conus (Apolauconus) |
| hamannfainizibier & Menis, 1986 | Conus (Apolauconus) |
| hanshassi (Lorenz & Barbier, 2012) | Conus (Apolauconus) |
| hasasewychi Petuch, 1987 | Conus (Apolauconus) |
| havanensis aguayo & Pérez farfante, 1947 | Conus (Apolauconus) |
| helgaelbiöcher, 1992 | Conus (Apolauconus) |
| henckesi (Coltroconus) | Conus (Apolauconus) |
| hennequinipetuch, 1993 | Conus (Apolauconus) |
| henriquiepetuch & r. f. myers, 2014 | Conus (Apolauconus) |
| herndle (Petuch & r. f. myers, 2014) | Conus (Apolauconus) |
| hieroglyphus Duclos, 1833 | Conus (Apolauconus) |
| hillpetuch, 1990 | Conus (Apolauconus) |
| hirasei (kuroda, 1956) | Conus (Apolauconus) |
| hivanus Moolenbeek, Zandbergen & Bouchet, 2008 | Conus (Apolauconus) |
| honkeripetuch, 1988 | Conus (Apolauconus) |
| honkerorum (Petuch & r. f. myers, 2014) | Conus (Apolauconus) |
| hopwood (tominlin, 1937) | Conus (Apolauconus) |
| howelli (Iredale, 1929) | Conus (Apolauconus) |
| hyaena Hwass in Bruguère, 1792 | Conus (Apolauconus) |
| hyberdis Kiener, 1847 | Conus (Apolauconus) |
| hypoclorus (Tominlin, 1937) | Conus (Apolauconus) |
| iansa (petuch, 1979) | Conus (Apolauconus) |
| ichinosoeana (kuroda, 1956) | Conus (Apolauconus) |
| ignotus Cargile, 1998 | Conus (Apolauconus) |
| ikedai (ninomiya, 1987) | Conus (Apolauconus) |
| immelmanikorn, 1998 | Conus (Apolauconus) |
| imperialisLinnaeus, 1758 | Conus (Apolauconus) |
| inconstans e. a. smith, 1877 | Conus (Apolauconus) |
| infinitus Rolán, 1990 | Conus (Apolauconus) |
| infrenatus Reeve, 1848 | Conus (Apolauconus) |
| inscriptus Reeve, 1843 | Conus (Apolauconus) |
| insculpta (Kiener, 1847) | Conus (Apolauconus) |
| iodonostoma Reeve, 1843 | Conus (Apolauconus) |
| ione (fulton, 1838) | Conus (Apolauconus) |
| irregulararia G. B. Sowerby II, 1858 | Conus (Apolauconus) |
| isabelarum Tenorio & Afonso, 2004 | Conus (Apolauconus) |
| jacarusoipetuch, 1998 | Conus (Apolauconus) |
| janowskyae (Tucker & Tenorio, 2011) | Conus (Apolauconus) |
| janus Hwass in Bruguère, 1792 | Conus (Apolauconus) |
| jaspidea (Gmelin, 1791) | Conus (Apolauconus) |
| jeannmartini (G. Raybaudi Massilia, 1992) | Conus (Apolauconus) |
| jickeliewinkauft, 1873 | Conus (Apolauconus) |
| jolveti (Moolenbeek, Röckel & Bouchet, 2008) | Conus (Apolauconus) |
### Appendix Table 1. Continued

| Species          | Genus (Subgenus)                  |
|------------------|------------------------------------|
| littoratus       | Conus (Elisaconus)                 |
| lindus           | Conus (Lividoconus)                |
| lizardsensis     | Conus (Eremiconus)                 |
| lizarum          | Conasprella (Fusiconus)           |
| lobitennis       | Conus (Lautoconus)                 |
| locumteniens     | Conus (Darioconus)                 |
| lothi            | Conus (Lautoconus)                 |
| longillineus      | Conasprella (Fusiconus)           |
| lori            | Conasprella (Conasprella)          |
| lizarum          | Conus (Plicastraconus)             |
| lucasi           | Conus (Textilia)                   |
| lucaya           | Conus (Dauciconus)                 |
| luciae           | Conus (Turniconus)                 |
| lucidus          | Conus (Ximeniconus)                |
| lugubris         | Conus (Lautoconus)                 |
| luquei           | Conus (Leporiconus)               |
| luteus           | Conus (Phasmoconus)                |
| lynceus          | Conus (Dauciconus)                 |
| maculiferus      | Conus (Darioconus)                 |
| madagascarensis  | Conus (Phasmoconus)                |
| madecassinus     | Conus (Darioconus)                 |
| maegalianus      | Conus (Darioconus)                 |
| magnificus       | Conus (Darioconus)                 |
| magnottii        | Conus (Darioconus)                 |
| magus            | Conus (Solioconus)                 |
| mahogani         | Conus (Ximeniconus)                |
| maioensis        | Conus (Lautoconus)                 |
| malacensis       | Conus (Spoliiconus)               |
| malacius         | Conus (Stratetoconus)              |
| mappo           | Conus (Stephanconus)               |
| mazochis          | Conus (Eugeniconus)                |
| marieae-Redler    | Conus (Phasmoconus)                |
| marmoreus        | Conus (Conus)                      |
| martensi         | Conus (Solioconus)                 |
| martinianus      | Conus (Dauciconus)                 |
| maya             | Conus (Spioconus)                  |
| mazei           | Conus (Harmoniciconus)             |
| mcbridei         | Conasprella (Dalliconis)           |
| mcgintyi         | Conasprella (Dalliconis)           |
| medouc           | Conus (Dendoconus)                 |
| melissae-Tenorio | Conus (Lautoconus)                 |
| melvillii         | Conus (Quasiconus)                 |
| memiae           | Conus (Darioconus)                 |
| mercator         | Conus (Lautoconus)                 |
| messiasi         | Conus (Lautoconus)                 |
| micropunctatus    | Conus (Lautoconus)                 |
| milesi           | Conus (Rhoizoconus)                |
| milesi           | Conus (Turniconus)                 |
| milianus         | Conus (Turniconus)                 |
| milinius         | Conus (Virgiconus)                 |
| mithun          | Conus (Phasmoconus)                |
| miniellus        | Conus (Darioconus)                 |
| minicelius        | Conus (Philiconus)                |
| minnaurumur       | Conus (Turriconus)                |
| miruchi          | Conus (Turriconus)                 |
| miratus           | Conus (Turriconus)                |

### Appendix Table 2. Continued

| Species          | Genus (Subgenus)                  |
|------------------|------------------------------------|
| moluccensis      | Conus (Phasmoconus)                |
| monachus         | Conus (Pionoconus)                 |
| moncuri          | Conus (Elaconus)                   |
| monilae          | Conus (Strategoconus)              |
| monolifer       | Conus (Doriconus)                  |
| monoleenbeeki    | Conus (Phasmoconus)                |
| monteia          | Conus (Lautoconus)                 |
| moreleti         | Conus (Virgiconus)                 |
| morrisoni        | Conus (Pionoconus)                 |
| mozambique       | Conus (Fioraconus)                 |
| muraconatus      | Conus (Phasmoconus)                |
| mulderi          | Conus (Phasmoconus)                |
| munculatus       | Conus (Lividoconus)                |
| mus              | Conus (Municonus)                  |
| musicus          | Conus (Linidoconus)                |
| musilinus        | Conus (Rhiziconus)                 |
| namocanus        | Conus (Rhiziconus)                 |
| nanus            | Conus (Harmoniciconus)             |
| naranjus         | Conus (Lautoconus)                 |
| natalauriantius  | Conus (Darioconus)                 |
| natalis          | Conus (Leptoconus)                 |
| navarol          | Conus (Lautoconus)                 |
| negroides        | Conus (Lautoconus)                 |
| neptunus         | Conus (Phasmoconus)                |
| niederhoefneri   | Conus (Phasmoconus)                |
| nielsenae        | Conus (Spiniconus)                 |
| nigromacula      | Conus (Pionoconus)                 |
| nigropunctatus   | Conus (Pionoconus)                 |
| nimbosus         | Conus (Phasmoconus)                |
| nobilis          | Conus (Eugeniconus)                |
| nobre-Trovão     | Conus (Leptoconus)                 |
| nocturnus        | Conus (Cylinder)                   |
| nodolusus        | Conus (Spioconus)                  |
| nucleus          | Conus (Hermes)                     |
| nussatella       | Conus (Spioconus)                  |
| nux              | Conus (Harmoniciconus)             |
| nybakkeni       | Conus (Doriconus)                  |
| obfuscus         | Conus (Gastriodion)                |
| ochroleucus       | Conus (Phasmoconus)                |
| oghihi           | Conus (Spioconus)                  |
| omaria           | Conus (Darioconus)                 |
| orbigny          | Conus (Fusiconia)                  |
| orion-Broderip   | Conus (Doriconus)                  |
| others           | Conus (Doriconus)                  |
| ostrinus         | Conus (Doriconus)                  |
| otohimeae        | Conus (Conasprella)                |
| paciei           | Conus (Doriconus)                  |
| pacificus        | Conus (Doriconus)                  |
| pagoda           | Conus (Fusiconia)                  |
| papillerus       | Conus (Fioraconus)                 |
| papuensis        | Conus (Fioraconus)                 |
| paraguana        | Conus (Doriconus)                  |
| parascaliai      | Conus (Doriconus)                  |
| parheliorum      | Conus (Doriconus)                  |
| parvus           | Conus (Phasmoconus)                |

 Continued
| Species | Genus (Subgenus) |
|---------|-----------------|
| parvatus Walls, 1979 | Conus (Harmonic) |
| paschalli Petuch, 1998 | Conus (Dauciconus) |
| pate Abbott, 1971 | Conus (Kellyconus) |
| patglocksteinae Petuch, 1987 | Conus (Dauciconus) |
| patriceae (Petuch & R. F. Myers, 2014) | Conus (Lamnicous) |
| patriciae Hinds, 1843 | Conus (Pycrrycus) |
| paukstisi (Tucker, Tenorio & Chaney, 2011) | Conus (Harmonic) |
| pauleae Petuch, 1988 | Conus (Dauciconus) |
| pauperculus G. B. Sowerby I, 1834 | Conus (Spliniconus) |
| pel/Moolenbeek, 1996 | Conus (Rhizoconus) |
| penchaszadeh/Petuch, 1986 | Conus (Dauciconus) |
| pennaceus Born, 1778 | Conus (Darioconus) |
| pepeiu (Moolenbeek, Zandbergen & Bouchet, 2008) | Conasprella (Fusiconus) |
| pergranda’s (Iredale, 1937) | Conus (Embriken) |
| perplexa (G. B. Sowerby II, 1857) | Conasprella (Ximineiconus) |
| pertussus Hwass in Bruguìere, 1792 | Conus (Rhizoconus) |
| petergabrielii Lorenz, 2006 | Conus (Phasmonconus) |
| philippi/Kien, 1847 | Conus (Dauciconus) |
| pica A. Adams & Reeve, 1848 | Conus (Phasmonconus) |
| puctus Reeve, 1843 | Conus (Sisteconus) |
| pineau/Pr & Leung Tack, 1989 | Conus (Lautoconus) |
| planorisis Born, 1778 | Conus (Stratagiconus) |
| plinthis Richard & Moolenbeek, 1988 | Conus (Klemacoen) |
| polongimanurumai/Kosuge, 1980 | Conus (Stephanocoen) |
| poornmani Berry, 1968 | Conus (Dauciconus) |
| poremkski (Petuch & R. F. Myers, 2014) | Conasprella (Ximineiconus) |
| portaboloeious Petuch, 1990 | Conus (Dauciconus) |
| poulosi Petuch, 1993 | Conus (Atteniuconus) |
| praeceillens A. Adams, 1855 | Conus (Turniconus) |
| pretiosus G. Nevill & H. Nevill, 1874 | Conus (Phasmonconus) |
| primus Röckel & Korn, 1990 | Conus (Phasmonconus) |
| princesps Linnaeus, 1758 | Conus (Ductoconus) |
| priscai (Bozzetti, 2012) | Conus (Cylinder) |
| profundorum (Kuroda, 1956) | Profundiconus |
| proximus G. B. Sowerby II, 1860 | Conus (Phasmonconus) |
| pseudaurantius Vink & Cosel, 1985 | Conus (Stephanocoen) |
| pseudoperimplus Moolenbeek, Zandbergen & Bouchet, 2008 | Conus (Stephanocoen) |
| pseudocardinalis Coltro, 2004 | Conus (Dauciconus) |
| pseudocuneus Röckel, Rölan & Monteiro, 1980 | Conus (Lautoconus) |
| pseudokimioi da Motta & Martin, 1982 | Conasprella (Boucheticonus) |
| pseudonifer Monteiro, Tenorio & Poppe, 2004 | Conus (Kalloconus) |
| pseudorbgynii (Röckel & Lan, 1981) | Conasprella (Fusiconus) |
| pulcher/Lightfoot, 1786 | Conus (Kalloconus) |
| pulcherrina Brazier, 1896 | INCERTAE SEDIS (Kenyonia) |
| pulcarius Hwass in Bruguìere, 1792 | Conus (Puncticulis) |
| puncticulata (Hwass in Bruguìere, 1792) | Conasprella (Ximineiconus) |
| purissimus Filmer, 2011 | Conus (Splinoconus) |
| purpurascens G. B. Sowerby I, 1833 | Conus (Chelyconus) |
| purio (Hwass in Bruguìere, 1792) | Conasprella (Ximineiconus) |
| queenslandis da Motta, 1984 | Conus (Splinoconus) |
| quercinus [Lightfoot, 1786 | Conus (Lividiconus) |
| quinquandoni Lorenz & Barbier, 2008 | Conus (Phasmonconus) |
| rachaelae (Petuch, 1988) | Conasprella (Kohniconus) |
| radius Gmelin, 1791 | Conus (Phasmonconus) |
| rainae (McGinty, 1953) | Conasprella (Dalliconus) |
| ranonanus da Motta, 1978 | Conus (Phasmonconus) |
| raouelensis (Powell, 1958) | Conasprella (Endemiconus) |
| rattus Hwass in Bruguìere, 1792 | Conus (Rhizoconus) |
| rautilisvaï/Rolán, Monteiro & Fernandes, 1998 | Conus (Lautoconus) |
| rawaenensis da Motta, 1978 | Conus (Rhizoconus) |
| recluzianus Bernardi, 1853 | Conus (Splinoconus) |
| recurvus Broderip, 1833 | Conus (Dauciconus) |
| reductaspiralis Walls, 1979 | Conus (Splinoconus) |
| regius Gmelin, 1791 | Conus (Dauciconus) |
| regoneae Rolán & Trovǎo, 1990 | Conus (Lautoconus) |
| regulari G. B. Sowerby I, 1833 | Conus (Dauciconus) |
| retifer Menke, 1829 | Conus (Cylinder) |
| richardbinghami Petuch, 1993 | Conus (Dauciconus) |
| richardsae Röckel & Korn, 1992 | Conus (Phasmonconus) |
| richeri Richard & Moolenbeek, 1988 | Conus (Phasmonconus) |
| rita Petuch, 1995 | Conus (Atlanticonus) |
| rizal Olivera & Biggs, 2014 | Conus (Turniconus) |
| roatanensis (Petuch & Sargent, 2011) | Conasprella (Ximineiconus) |
| roberti (Richard, 2009) | Conasprella (Dalliconus) |
| robini (Limpalär & Monnier, 2012) | Conus (Pioniconus) |
| roeckel Rolán, 1980 | Conus (Lautoconus) |
| roli Röckel, 1986 | Conus (Asprella) |
| rosaliensis Petuch, 1998 | Conus (Dauciconus) |
| rosemaryae Petuch, 1990 | Conus (Dauciconus) |
| roseorupum G. Raybaudi & da Motta, 1990 | Conus (Splinoconus) |
| rouxi (Monnier, Limpalär & Robin, 2013) | Conus (Lephecon) |
| royaiken (S. G. Veldsman, 2010) | Conus (Lephecon) |
| rufinaculosus Macpherson, 1959 | Conus (Klemacoen) |
| ruthe (Monnier & Limpalär, 2013) | Conus (Splinoconus) |
| rutilia (Menke, 1843) | Conasprella (Parviconus) |
| saeacularis (Melvill, 1898) | Conasprella (Fusioniconus) |
| sagoi (Korn & G. Raybaud Massilia, 1993) | Conasprella (Lilliconus) |
| sahibergi da Motta & Harland, 1986 | Conus (Dauciconus) |
| salletae (Cossignani, 2014) | Conus (Lautoconus) |
| saireiensis Rolán, 1980 | Conus (Lautoconus) |
| salzmann G. Raybaudi Massilia & Rolán, 1997 | Conasprella (Phasmiconus) |
| sandieri Wils & Moolenbeek, 1979 | Conus (Sandericonus) |
| sandwichensis Walls, 1978 | Conus (Tesseliconus) |
| sanguineus Kiener, 1850 | Conus (Stephanocoen) |
| sanguinolentus Quoy & Gaimard, 1834 | Conus (Lividicoen) |
| santanaeasif G. Raybaudi Massilia, 1993) | Conus (Sandericonus) |
| sathberga da Motta & Harland, 1986 | Conus (Dauciconus) |
| saracasa Rolán, 1986 | Conus (Lautoconus) |
| sargenti (Petuch, 2013) | Conasprella (Ximineiconus) |
| sarthi Korn, Niederhötter & Blöcher, 2002 | Conus (Phasmonconus) |
| sauros (Garcia, 2006) | Conasprella (Dalliconus) |
| sazanka Shikama, 1970 | Conus (Splinoconus) |
| scalaris Valenciennes, 1833 | Conus (Dauciconus) |
| scalarispira (Bozzetti, 2012) | Conus (Pseudolilliconus) |
| scalarisimius da Motta, 1988 | Conus (Dauciconus) |
| sculptus Reeve, 1843 | Conus (Phasmonconus) |
| scariba (Dall, 1910) | Conasprella (Kohniconus) |
| scopulicola (Okutani, 1972) | Profundiconus |
### Appendix Table 1. Continued

| Species | Genus (Subgenus) |
|---------|------------------|
| scopulorum Van Mol, Tursch & Kempf, 1971 | **Conus** (Braisliconas) |
| scottjordani (Poppe, Monnier & Tagaro, 2012) | **Conus** (Cylindrus) |
| sculli Marsh, 1962 | **Conus** (Paprycicus) |
| sculpturatus Röckel & da Motta, 1986 | **Conus** (Phascicocus) |
| sennonotrumin Rehder & Abbott, 1951 | **Conus** (Daucicocus) |
| serranegrae Rolán, 1990 | **Conus** (Lautoconus) |
| sertacincus Röckel, 1986 | **Conus** (Phascicocus) |
| shaskyi (Tenorio, Tucker & Chaney, 2012) | **Conus** (Daucicocus) |
| shikamaicoomans, Moolenbeek & Wills, 1985 | **Conus** (Spinoconus) |
| sieboldii (Reeve, 1848) | **Conasprella** (Endemoconus) |
| silviae (Cossignani, 2014) | **Conus** (Lautoconus) |
| simonei (Petch & R. F. Myers, 2014) | **Conasprella** (Ximeniconus) |
| skoglundiae (Tenorio, Tucker & Chaney, 2012) | **Conus** (Daucicocus) |
| smira (Bartsch & Rehder, 1943) | **Conasprella** (Textilia) |
| sogodensis (Poppe, Monnier & Tagaro, 2012) | **Conus** (Phascicocus) |
| solangeae Bozetti, 2004 | **Conus** (Stephanococus) |
| solidus Gmelin, 1791 | **Conus** (Phascicocus) |
| solomonensis Delsaerdt, 1992 | **Conasprella** (Endemoconus) |
| somalica (Bozetti, 2013) | **Conus** (Phascicocus) |
| spectrum Linnaeus, 1758 | **Conus** (Lautoconus) |
| sphenacles G. B. Sowerby I, 1833 | **Conus** (Daucicocus) |
| spiceri Bartsch & Rehder, 1943 | **Conasprella** (Ximeniconus) |
| spirofilis (Habe & Kosuge, 1970) | **Conus** (Lauroconus) |
| spindulidus G. B. Sowerby I, 1833 | **Conus** (Daucicocus) |
| sponsalis Hwass in Bruguère, 1792 | **Conus** (Harmonicicus) |
| spurus Gmelin, 1791 | **Conus** (Lindacocus) |
| stahlischmidtii (Tenorio & Tucker, 2014) | **Conasprella** (Endemoconus) |
| stanfieldi Petuch, 1998 | **Conus** (Daucicocus) |
| steamsii (Conrad, 1869) | **Conasprella** (Ximeniconus) |
| stercumusracter Linnaeus, 1758 | **Conus** (Pionconus) |
| stipsoni Dall, 1902 | **Conus** (Daucicocus) |
| stocki (Coomans & Moolenbeek, 1990) | **Conasprella** (Fusiconus) |
| stramineus Larnarck, 1810 | **Conus** (Fusiconus) |
| stratarius G. B. Sowerby II, 1865 | **Conus** (Phascicocus) |
| strateles Link, 1807 | **Conus** (Daucicocus) |
| striatus Linnaeus, 1758 | **Conus** (Pionconus) |
| striolatus Kiener, 1848 | **Conus** (Lauroconus) |
| stupa (Kuroda, 1956) | **Conus** (Turnicicus) |
| stupella (Kuroda, 1956) | **Conus** (Turnicicus) |
| suduirauti Raybaudi Massilia, 2004 | **Conus** (Strategococus) |
| sugimotonis Kuroda, 1928 | **Conus** (Klemaecocus) |
| sukhadwalai Röckel & da Motta, 1983 | **Conus** (Spinoconus) |
| sulciatus Hwass in Bruguère, 1792 | **Conus** (Asprella) |
| sulcocastaneous Kousige, 1981 | **Conus** (Asprella) |
| sunderlandi Petuch, 1987 | **Conus** (Daucicocus) |
| suratensis Hwass in Bruguère, 1792 | **Conus** (Dendroconus) |
| suttonorum Moolenbeek, Röckel & Bouchet, 2008 | **Conus** (Phascicocus) |
| suturatus Reeve, 1844 | **Conus** (Tesselicocus) |
| swainsoni Estival & Cosel, 1986 | **Conus** (Strategococus) |
| swinneni (Tenorio, Afonso, Cunha & Rolán, 2014) | **Conus** (Lauroconus) |
| sydneyensis G. B. Sowerby III, 1887 | **Conus** (Mamiconus) |
| tabidus Reeve, 1844 | **Conus** (Monteiroconus) |
| Species | Genus (Subgenus) |
|---------|------------------|
| ventricosus Gmelin, 1791 | Conus (Lautoconus) |
| venulatus Hwass in Bruguier, 1792 | Conus (Lautoconus) |
| verdensis Reeve, 1843 | Conus (Lautoconus) |
| vexillum Gmelin, 1791 | Conus (Rhizoconus) |
| vinctaee Reeve, 1843 | Conus (Textilia) |
| vicuwwi Old, 1973 | Conus (Cylinder) |
| vittaturus Hwass in Bruguier, 1792 | Conus (Cylinder) |
| villegasensis Gmelin, 1791 | Conus (Dauciconus) |
| virgatus Reeve, 1849 | Conus (Dauciconus) |
| virgo Linnaeus, 1758 | Conus (Dauciconus) |
| visagenus Kilburn, 1974 | Conus (Dauciconus) |
| visseri Delsaert, 1990 | Conus (Dauciconus) |
| vitatus Hwass in Bruguier, 1792 | Conus (Rhimiconus) |
| voluminalis Reeve, 1843 | Conus (Phiamoconus) |
| vulcanus Tenorio & Afonso, 2004 | Conus (Phiamoconus) |
| wakayamaensis (Kuroda, 1956) | Conus (Dauciconus) |
| wallacei (Lorenz & Morrison, 2004) | Conus (Dauciconus) |
| wallangra (Garrard, 1961) | Conus (Dauciconus) |
| wandosi (Tenorio & Afonso, 2013) | Conus (Dauciconus) |
| wisi Delsaerd, 1998 | Conus (Dauciconus) |
| wittigi Walls, 1977 | Conus (Dauciconus) |
| xanthicus Dall, 1910 | Conus (Dauciconus) |
| xanthocinclus Petuch, 1986 | Conus (Dauciconus) |
| xicol Röckel, 1987 | Conus (Dauciconus) |
| ximenes (Gray, 1839) | Conus (Dauciconus) |
| yemenensis Bondarev, 1997 | Conus (Dauciconus) |
| zandbergeni Filmer & Moolenbeek, 2010 | Conus (Dauciconus) |
| zapatosensis Röckel, 1987 | Conus (Dauciconus) |
| zebra Lamarck, 1810 | Conus (Dauciconus) |
| zebroides Kiener, 1848 | Conus (Dauciconus) |
| zeylanicus Gmelin, 1791 | Conus (Dauciconus) |
| ziczac Mühlfield, 1816 | Conus (Dauciconus) |
| zinhoi (Cossignani, 2014) | Conus (Dauciconus) |
| zonatus Hwass in Bruguier, 1792 | Conus (Dauciconus) |
| zylmanae Petuch, 1998 | Conus (Dauciconus) |

**Appendix Table 2.** Nominal genus-group names of Recent Conidae and their current status in the present classification.

| Name | Status |
|------|--------|
| Afonsoconus Tucker & Tenorio, 2013 | Conus (Afonsoconus) |
| Africanus Petuch, 1975 | synonym of Conus (Lautoconus) |
| Arubaconus Petuch, 2013 | synonym of Conus (Ductoconus) |
| Asprella Schaufuss, 1869 | Conus (Asprella) |
| Atlanticconus Petuch & Sergent, 2012 | Conus (Atlanticconus) |
| Attenuiconus Petuch, 2013 | Conus (Attenuiconus) |
| Austroconus Tucker & Tenorio, 2009 | synonym of Conus (Mamiconus) |
| Bathyconus Tucker & Tenorio, 2009 | synonym of Conasprella (Buciconus) |
| Bermudaconus Petuch, 2013 | Conus (Bermudaconus) |
| Boucheconus Tucker & Tenorio, 2013 | Conasprella (Boucheciconus) |
| Brasiliconus Petuch, 2013 | Conus (Brasiliconus) |
| Calamiconus Tucker & Tenorio, 2009 | synonym of Conus (Lividiconus) |
| Callibanus dama Motta, 1991 | Conus (Calibanus) |
| Calliconus Tucker & Tenorio, 2009 | Calicorniconus |
| Carboconus Petuch, 2003 | synonym of Conus (Dauciconus) |
| Cheliconus Mörch, 1852 | Conus (Cheliconus) |
| Cleobula Iredale, 1930 | synonym of Conus (Dendoconus) |
| Coltroconus Petuch, 2013 | Conasprella (Cylindrella) |
| Conasprella Thiele, 1929 | Conasprella (Conasprella) |
| Conasprellaoides Tucker & Tenorio, 2009 | synonym of Conus (Dauciconus) |
| Continuconus Tucker & Tenorio, 2013 | synonym of Conus (Klemaeconus) |
| Conus Linnaeus, 1758 | Conus (Conus) |
| Cornutoconus Suzuki, 1972 | synonym of Conus (Carboconus) |
| Coronax Swainson, 1840 | synonym of Conus (Carboconus) |
| Cucullus Roeding, 1798 | synonym of Conus (Carboconus) |
| Cylinder Montfort, 1810 | synonym of Conus (Carboconus) |
| Cylindrella Swainson, 1840 | synonym of Conus (Carboconus) |
| Cylindruss Batsch, 1789 | Conus (Carboconus) |
| Dalliciconus Tucker & Tenorio, 2009 | Conasprella (Dalciconus) |
| Darioconus Iredale, 1930 | Conus (Darioconus) |
| Dauciconus Cotton, 1945 | Conus (Dauciconus) |
| Dendroconus Swainson, 1840 | Conus (Dauciconus) |
| Ductoconus dama Motta, 1991 | Conus (Dauciconus) |
| Duodenticus Tucker & Tenorio, 2013 | synonym of Conasprella (Conasprella) |
| Dyraspis Iredale, 1949 | synonym of Conus (Virroconus) |
| Elisaconus Tucker & Tenorio, 2013 | Conus (Elisaconus) |
| Embrikena Iredale, 1937 | Conus (Emzikena) |
| Endemiconus Iredale, 1931 | Conasprella (Endemiconus) |
| Eremiconus Tucker & Tenorio, 2009 | Conus (Eremiconus) |
| Erythroconus dama Motta, 1991 | synonym of Conus (Darioconus) |
| Eugeniconus dama Motta, 1991 | Conus (Eugeniconus) |
| Floraconus Iredale, 1930 | Conus (Floraconus) |
| Fraterconus Tucker & Tenorio, 2013 | Conus (Fraterconus) |
| Fulgiconus dama Motta, 1991 | synonym of Conus (Phiamoconus) |
| Fumiconus dama Motta, 1991 | synonym of Conasprella (Fumiconus) |
| Fusiconus dama Motta, 1991 | Conasprella (Fusiconus) |
| Gastridium Modeer, 1793 | Conus (Gastridium) |
| Genuanconus Tucker & Tenorio, 2009 | synonym of Conus (Kalloconus) |
| Gladioconus Tucker & Tenorio, 2009 | synonym of Conus (Monteiroconus) |
| Globoconus Tucker & Tenorio, 2009 | synonym of Conasprella (Ximeniconus) |
| Graciconus dama Motta, 1991 | synonym of Conus (Dauciconus) |
| Graphiconus dama Motta, 1991 | synonym of Conus (Phiamoconus) |

Continued
### Appendix Table 2. Continued

| Name                                      | Status                                      |
|-------------------------------------------|---------------------------------------------|
| Harmoniconus da Motta, 1991               | Conus (Harmoniconus)                        |
| Hermes Montfort, 1810                     | Conus (Hermes)                              |
|Heroconus da Motta, 1991                   | synonym of Conus (Pionoconus)               |
|Isoconus Tucker & Tenorio, 2013            | synonym of Conus (Splinoconus)              |
|Jaspidoconus Petuch, 2003                  | synonym of Conasprella (Ximeniconus)        |
|Kaltoconus da Motta, 1991                  | Conus (Kaltoconus)                          |
|Kellyconus Petuch, 2013                    | Conus (Kellyconus)                          |
|Kenyonia Brazier, 1896                     | Conus (Kenyonia)                            |
|Kermasprelia Powell, 1958                  | synonym of Conasprella (Endemoconus)        |
|Ketyconus da Motta, 1991                   | synonym of Conus (Floraconus)               |
|Klemaeconus Tucker & Tenorio, 2013         | Conus (Klemaeconus)                         |
|Kohniconus Tucker & Tenorio, 2009          | Conasprella (Kohniconus)                    |
|Kurodaconus Shikama & Habe, 1968          | synonym of Conus (Turiconus)                |
|Lamnicconus Tucker da Motta, 1991          | Conus (Lamnicconus)                         |
|Lautoconus Monterosato, 1923               | Conus (Lautoconus)                          |
|Leporiconus Iredale, 1930                  | Conus (Leporiconus)                         |
|Leptoconus Swainson, 1840                  | Conasprella (Lilloiconus)                   |
|Lilloiconus Raybould Massilia, 1994        | Conus (Lidacoconus)                         |
|Lidacoconus Petuch, 2002                   | Conus (Lidacoconus)                         |
|Lithoconus Mörch, 1852                    | Conus (Lithoconus)                          |
|Lividiconus Wils, 1970                     | synonym of Conus (Profundiconus)            |
|Lizaconus da Motta, 1991                   | synonym of Conus (Purpuriconus)             |
|Magelliconus da Motta, 1991                | Conus (Magelliconus)                        |
|Mamicconus Cotton & Godfrey, 1932          | synonym of Conus (Viroconus)                |
|Miliariconus Tucker & Tenorio, 2009        | synonym of Conus (Turiconus)                |
|Mitraconus Tucker & Tenorio, 2013          | Conus (Mitericiconus)                       |
|Monteiriconus Tucker & Tenorio, 2009       | synonym of Conus (Phasmoconus)              |
|Nataliconus Tucker & Tenorio, 2009         | synonym of Conus (Splinoconus)              |
|Nimboconus Tucker & Tenorio, 2013          | synonym of Conus (Klioconus)                |
|Nidicoconus Tucker & Tenorio, 2013         | Conus (Papripiconus)                        |
|Ongococonus Tucker & Tenorio, 2013         | Conasprella (Parviconus)                    |
|Papyriiconus Tucker & Tenorio, 2013        | synonym of Conasprella (Ximeniconus)        |
|Perplexiconus Tucker & Tenorio, 2009       | Conus (Perplexiconus)                       |
|Phasmoconus Mörch, 1852                    | Conus (Phasmoconus)                         |
|Pionicoconus Mörch, 1852                   | Conus (Pionicoconus)                        |
|Plicastaconus Moelenbeek, 2008             | Conus (Plicastaconus)                       |
|Poremapiconus Petuch, 2013                 | synonym of Conus (Dauciconus)               |
|Profundiconus Kuroda, 1966                 | Profundiconus                               |
|Protoconus da Motta, 1991                  | synonym of Conus (Tenorioconus)             |
|Protothriciconus Tucker & Tenorio, 2009    | synonym of Conus (Gastridium)               |
|Pseudoconorbis Tucker & Tenorio, 2009      | Conasprella (Pseudoconorbis)                |
|Pseudohermes Tucker & Tenorio, 2013        | synonym of Conus (Virgiconus)               |
|Pseudolilliconus Tucker & Tenorio, 2009    | Conus (Pseudolilliconus)                    |
|Pseudonoduloconus Tucker & Tenorio, 2009   | Conus (Pseudonoduloconus)                   |
|Pseudopterygia Tucker & Tenorio, 2013      | Conus (Pseudopterygia)                      |
|Puncticulis Swainson, 1840                 | Conus (Puncticulis)                         |
|Purpuriconus da Motta, 1991                | synonym of Conus (Dauciconus)               |
|Pyruconus Olsson, 1967                     | Conus (Pyruconus)                           |

### Appendix Table 2. Continued

| Name                                      | Status                                      |
|-------------------------------------------|---------------------------------------------|
|Quasiconus Tucker & Tenorio, 2009          | Conus (Quasiconus)                         |
|Regiconus iridale, 1930                    | synonym of Conus (Darioconus)               |
|Rhizoconus Mörch, 1852                    | Conus (Rhizoconus)                         |
|Rhombiconus Tucker & Tenorio, 2009         | synonym of Conus (Stephanoconus)            |
|Rhombus Montfort, 1810                    | synonym of Conus (Rhombiconus)              |
|Rolanicconus Tucker & Tenorio, 2009        | synonym of Conus (Strategoconus)            |
|Rollus Montfort, 1810                      | synonym of Conus (Gastridium)               |
|Rubroconus Tucker & Tenorio, 2013          | Conus (Rubroconus)                         |
|Sandericonus Petuch, 2013                  | Conus (Sandericonus)                        |
|Sclerconus da Motta, 1991                  | Conus (Sclerconus)                         |
|Seminoleconus Petuch, 2003                 | synonym of Conus (Protoconus)               |
|Socioconus da Motta, 1991                  | synonym of Conus (Pionoconus)               |
|Splinoconus da Motta, 1991                 | Conus (Splinoconus)                         |
|Spuriconus Petuch, 2003                    | Conus (Lidacoconus)                        |
|Stellaconus Tucker & Tenorio, 2009         | synonym of Conus (Sclerconus)               |
|Stephanoconus Mörch, 1852                  | Conus (Stephanoconus)                       |
|Strategoconus da Motta, 1991               | Conus (Strategoconus)                       |
|Stroiconus Thiele, 1929                    | synonym of Conus (Pionoconus)               |
|Sulcoconus Belz, 1869                     | synonym of Conus (Asprella)                 |
|Taranteoconus Azuma, 1972                  | synonym of Conus (Stephanoconus)            |
|Tenorioconus Petuch & Droshilhagen, 2011   | synonym of Conus (Tesselliconus)            |
|Tesselliconus da Motta, 1991               | Conus (Tesselliconus)                       |
|Textilia Swainson, 1840                    | Conus (Textilia)                            |
|Thallassiconus Tucker & Tenorio, 2013      | synonym of Conus (Calibanus)                |
|Theliconus Swainson, 1840                  | synonym of Conus (Hermes)                   |
|Thoraciconus da Motta, 1991                | synonym of Conus (Fulgiconus)               |
|Trovaconus Tucker & Tenorio, 2009          | synonym of Conus (Kalloconus)               |
|Tuckericiconus Petuch, 2013                | synonym of Conus (Daucusiconus)             |
|Turpinia Swainson, 1840                    | synonym of Conus (Gastridium)               |
|Utriculus Schumacher, 1817                 | Conus (Turiconus)                           |
|Varioconus da Motta, 1991                  | synonym of Conus (Gastridium)               |
|Vinmiconus Tucker & Tenorio, 2009          | synonym of Conus (Lidacoconus)              |
|Viriticonus Tucker & Droshilhagen, 2011    | synonym of Conus (Asprella)                 |
|Virgiconus Cotton, 1945                    | Conus (Virgiconus)                          |
|Viroconus iridale, 1930                    | Conus (Viroconus)                           |
|Vituliconus da Motta, 1991                 | synonym of Conus (Strategoconus)            |
|Ximeniconus Emerson & Old, 1962           | Conasprella (Ximeniconus)                   |
|Yeddoconus Tucker & Tenorio, 2009          | synonym of Conasprella (Endemoconus)        |

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