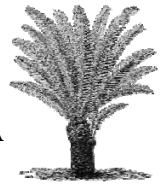


World List of Cycads: A Historical Review

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INTRODUCTION

The World List of Cycads represents a compilation of recognized names of all known extant cycads. The very first taxonomically rigorous world list came out in 1985 in *Encephalartos*, the journal of the Cycad Society of South Africa (Osborne & Hendricks, 1985). This list included 130 species and 61 infra-specific taxa. It was followed shortly thereafter by a supplementary list—also published in *Encephalartos* (Osborne & Hendricks, 1986)—which corrected a few mis-spelled names and provided a few additions and deletions. Not including the aforementioned supplement, there have been a total of ten published World Lists of Cycads (plus one that is currently in press), most of which were included in the proceedings of International Conferences on Cycad Biology, which have been held every three years since 1987. Each new list has followed new discoveries and changes in taxonomy and outlook that made previous lists obsolete. In addition to the ‘official’ published world lists—which endeavoured to include only validly published names—two earlier ‘world lists of cycads’ were compiled. The first was in 1980 by the IUCN Threatened Plants Committee (TCP, 1980) as a survey form which was never published; the second appeared in 1985 in the *Cycad Newsletter* (Anonymous, 1985) as a compilation of names appearing in three other sources. These two lists (coded WL0 and WL00, respectively) are mentioned here simply as the earliest known compilations of cycad names.

WORLD LIST CITATIONS

(in chronological order)

The following coding system was developed to easily identify (and refer to) the various World Lists:

- WL0 TPC. 1980. *World List of Cycads*. IUCN Threatened Plants Committee Botanic Gardens Conservation Co-ordinating Body, Royal Botanic Gardens, Kew, UK.
- WL00 Anonymous. 1985. World list of cycads. *Cycad Newsletter* 8(4):8-11.
- WL1 Osborne, R. & J. Hendricks. 1985. A world list of cycads. *Encephalartos* 3:13-17.
- WL1S Osborne, R. & J. Hendricks. 1986. A world list of cycads—supplement. *Encephalartos* 5:27.
- WL2 Stevenson, D.W., R. Osborne & J. Hendricks. 1990. A world list of cycads. *Proceedings of the First International Conference on Cycad Biology (CYCAD 87)*. *Memoirs of the New York Botanical Garden* 57:200–206.
- WL3 Stevenson, D.W. & R. Osborne. 1993a. The world list of cycads. Pp. 354–364, *In*: D.W. Stevenson & K.J. Norstog (eds.), *Proceedings of the Second International Conference on Cycad Biology (CYCAD 90)*. Palm & Cycad Societies of Australia Ltd., Milton, Queensland, Australia.
- WL4 Stevenson, D.W. & R. Osborne. 1993b. The world list of cycads. *Encephalartos* 33:19–25.
- WL5 Stevenson, D.W., R. Osborne & K.D. Hill. 1995. The world list of cycads. Pp. 55–64, *In*: P. Vorster (ed.), *Proceedings of the Third International Conference on Cycad Biology (CYCAD 93)*. The Cycad Society of South Africa, Stellenbosch, South Africa.
- WL6 Osborne R., D.W. Stevenson & K.D. Hill. 1999. The world list of cycads. Pp. 224–239, *In*: C.J. Chen (ed.), *Proceedings of the Fourth International Conference on Cycad Biology (CYCAD 96)*. International Academic Publishers, Beijing, China.

- WL7 Hill, K.D., D.W. Stevenson & R. Osborne. 2004a. The world list of cycads. Pp. 219–235, *In*: T. Walters & R. Osborne (eds.), *Cycad Classification: Concepts and Recommendations*. CABI Publishing, Cambridge, MA.
- WL8 Hill, K.D., D.W. Stevenson & R. Osborne. 2004b. The world list of cycads. *Proceedings of the Fifth International Conference on Cycad Biology (CYCAD 99)*. *Botanical Review* 70:274–298.
- WL9 Hill, K.D., D.W. Stevenson & R. Osborne. 2004c. The world list of cycads. Pp. 195–212, *In*: J.A. Lindström (ed.), *Proceedings of the Sixth International Conference on Cycad Biology (CYCAD 2002)*. Nong Nooch Tropical Garden, Pattaya, Thailand.
- WL10 Hill, K.D., D.W. Stevenson & R. Osborne. 2007. The world list of cycads. Proceedings of the 7th International Conference on Cycad Biology (CYCAD 2005), Xalapa, Mexico, January 2005. *Memoirs of the New York Botanical Garden* 97:454–483.
- WL11 Osborne, R., D.W. Stevenson, K.D. Hill & L. Stanberg. *In press*. The world list of cycads. *Proceedings of the 8th International Conference on Cycad Biology (CYCAD 2008)*. Panama City, Panama, January 2008.

NOTES PERTAINING TO WORLD LISTS OF CYCADS

General Notes

Various cycad researchers have been involved, either directly or indirectly, in the World List of Cycads. But the only one who has been involved in the production of every list to date is Dr. Roy Osborne, and we all owe him a great debt of gratitude for his persistence and diligence in first compiling and then maintaining the world list over the years.

The first few world lists were informal and were not initiated or supported by any particular group or governing body. More recently, oversight of the World List has been assumed by the IUCN/Species Survival Commission Cycad Specialist Group (CSG), which is currently chaired by Dr. John Donaldson. This formal association was initiated to ensure that the world list is maintained and updated at least every three years. Each new list is now an expected and highly anticipated addition to the proceedings of the triannual International Conferences on Cycad Biology.

In recent years, the world list has also become one of the primary sources of updated information on the taxonomy and nomenclature of extant cycads for the IUCN Red List of Threatened Species. Prior to WL10 (Hill *et al.*, 2007), the conservation status of cycads had not been addressed in the world list. However, it was decided at the 2005 meeting of the CSG that a column should be added for this information.

Overview of Each World List

Each formal World List of Cycads has included the names and authors of all valid, extant cycad species and infra-specific taxa known at the time of publication, as well as each taxon's geographic distribution (where known). The following is a general overview of each world list published to date:

- WL0 was compiled by the IUCN Threatened Plants Committee. This IUCN “World List” was a document distributed to various cycad researchers as a survey response form and was not a taxonomic evaluation in the sense of the subsequent “world lists.” This first list consisted of 151 species, five infra-specific taxa, and nine undescribed taxa in 10 genera listed by family.
- WL00 was an unofficial “layman’s” attempt at compiling a list of the cycad species of the world using the following three sources (quoted exactly as given): (A) The Cycad Society of South Africa – 20 Maryvale Road, Westville 3630 South Africa; (B) Threatened Plants Committee,

Botanic Gardens Conservation Co-Ordinating Body C/- The Herbarium, Royal Botanic Gardens, Kew, Richmond, Surrey, England (herein included as WL0); and (C) The Society for Growing Australian Plants. Australian Plants Vol. 13 No. 101 December 1984 Special issue devoted to Cycads written by L.P. Butt. The list included 197 species; 21 subspecies, forms, or varieties; 9 taxa listed as “sp.” or “sp. nov.”; and 4 synonyms.

- WL1 was the first taxonomically rigorous World List of Cycads. Even though it was an informal list, in the sense that there were no formal associations with any particular governing body, it did involve a serious taxonomic evaluation of all known cycad taxa. It consisted of 130 species and 61 infra-specific taxa in 10 genera.
- The WL1S supplement, issued shortly after WL1, corrected three mis-spelled names, added three new species, and demoted one taxon from specific to varietal status; WL1 and WL1S combined totalled 133 species and 62 infra-specific taxa.
- WL2 began to add important genus-specific references as well as the recently described genus, *Chigua*. It contained 155 species (19% increase over WL1+WL1S) and 53 infra-specific taxa (13% decrease).
- WL3 added publication dates for the formal descriptions of each taxon, separated *Macrozamia* into Section *Macrozamia* and Section *Parazamia*, provided more specific locality information for *Zamia* taxa, and increased the number of species by 18% (to 183), while drastically decreasing the number of infra-specific taxa by 83% (to 9).
- WL4 added an asterisk next to the type species of each genus, arranged the taxa in alphabetical order by family (instead of by genus), reported that ten *Zamia* species on the previous list were synonyms (these names remained on the list, but were placed in brackets), and increased the number of overall species to 187, while the number of infra-specific taxa decreased to 8.
- WL5 reported progress on the genus *Cycas*, provided a list of *Encephalartos* taxa that “needed work,” and increased the overall number of species by 12% to 210 (the infra-specific taxa remained at 8).
- WL6 introduced the journals in which the original descriptions were published, provided numerous *Cycas* and *Encephalartos* synonyms, removed nine *Zamia* synonyms from the list, and included 243 species (16% increase) and 19 infra-specific taxa (138% increase).
- WL7 removed the cycad families and the sections within *Macrozamia*, thereby reverting to listing taxa alphabetically by genus. It also instituted standards for naming priority, author and journal abbreviations, and reference style, and added numerous species of *Ceratozamia* (9), *Cycas* (35), and *Zamia* (13), thereby bringing the total number of species to 303 (24% increase) and reducing the number of infra-specific taxa to 10 (47% decrease).
- WL8 added a partial, although fairly extensive list of synonyms for each genus, added information on the type specimens representing each taxon, presented a list of useful cycad publications, (organized by region), and included 305 species and the same 10 infra-specific taxa as WL7.
- WL9 made no significant changes or additions of new information; the total species decreased to 303 and the infra-specific taxa remained at 10.
- WL10 added details of the threatened status of each taxon, changed the notation of the type species for *Encephalartos* from *E. friderici-guilielmi* to *E. caffer*; added two newly described *Cycas* species, reinstated one *Macrozamia* species, and removed one and added one *Zamia* species. The overall species count was increased to 304, and the list still included the same 10 infra-specific taxa.
- WL11 included the addition of several new species, additions to the lists of synonyms and changes to types, enhancements to the areas of occurrence, and updates to the levels of threat. The genus *Chigua* (2 species) was reassigned to *Zamia* (as a single species), and the following genera received a net increase of new species: *Ceratozamia* (6), *Cycas* (5), *Dioon* (1), *Zamia* (11). The overall number of species was increased to 326 (7% increase), and the list included 9 infra-specific taxa.

- In 1998, *The Cycad Pages* website was launched (Hill & Stevenson, 1998-2009) and continues to provide the international community with an online version of the World List of Cycads.

Itemized Notes of Each World List

The following are some specific notes pertaining to each of the World Lists:

WLO (TPC, 1980):

- The document included only the list of cycad names, with no supporting text.
- As mentioned above, this document was distributed by the IUCN Threatened Plants Committee as a survey response form; it did not represent a taxonomic evaluation of cycad taxa.
- A total of 151 species, five infra-specific taxa, and nine undescribed taxa in 10 genera were listed by family (Cycadaceae, Stangeriaceae, and Zamiaceae).
- This list included a conservation status code for each taxon (not treated herein).

WL00 (Anonymous, 1985):

- The authors—which were not named—indicated that the list was simply a compilation from three sources. They did “not pretend that it [was] exhaustive.” They also stated they would “welcome comments, etc. especially on those cycads which appear on less than the three lists.”
- The authors also stated that “much more work is required on cycadaceae especially on the Australian species.”

WL1 (Osborne & Hendricks, 1985):

- This is the first World List of Cycads that represents a true taxonomic evaluation of cycad taxa.
- Numerous *Ceratozamia mexicana* varieties were listed; however, it was noted that the taxonomy of this species may be subject to significant revision.
- Only 15 species and numerous infra-specific taxa were listed within *Cycas*; however, the following notes were provided:
 - The taxonomy of *Cycas* was in need of extensive revision and several deletions and insertions were anticipated in future lists.
 - Several *Encephalartos* species were yet to be described.
 - Some revision or additions were feasible for the genus *Macrozamia*.
 - *Zamia* taxonomy was in need of substantial revision.

WL1S (Osborne & Hendricks, 1985):

- Spelling was corrected for three *Cycas* species; two new *Cycas* species and one new *Zamia* species were added; and *Ceratozamia miqueliana* was demoted from species to varietal status (as *C. mexicana* var. *miqueliana*).
- The authors alluded to the anticipated publication of two significant papers that would include complete listings of all validly published names within *Zamia* and *Ceratozamia*; these works, then, provided the basis for the treatment of these genera in WL2.

WL2 (Stevenson *et al.*, 1990):

- No future changes were expected in *Ceratozamia*, and Stevenson *et al.* (1986) was suggested as a good source of information on species concepts, ecology, and distribution of this genus.
- The genus *Chigua* and its two incipient species were added to the list (following Stevenson, 1990).
- Taxonomy of *Cycas* was still in need of substantial revision, with several deletions and insertions to be expected in future lists; the authors based the current list on Schuster (1932).
- Taxonomy of *Dioon* was reported to be fairly complete, with no significant changes anticipated; the spelling of the genus was changed from *Dion* back to *Dioon*, based on a recommendation by

the nomenclature committee of the XIV International Botanical Congress in Berlin; Sabato and De Luca (1985) was suggested as a good source of information on *Dioon* species and ecology.

- Although little revision was expected in *Encephalartos*, some additions from Central Africa were regarded as “certain.”
- Minor revision and additions were expected in *Macrozamia* in future lists, although no significant departures from Johnson (1959) were expected.
- The need for substantial revision of *Zamia* taxonomy was reaffirmed; the authors reported that taxonomic problems in this genus were explained by Eckenwalder (1980) and Stevenson and Sabato (1986); and additional names were expected in a future list, based on 12 new species being described in an upcoming monograph on neotropical cycads.
- The number of valid species stated to be in the genera *Encephalartos* (46), *Macrozamia* (14), and *Zamia* (43) did not coincide with the actual number of names listed within them; the correct number of valid species names listed within these genera was 51, 13, and 46, respectively—thereby increasing the total species in the list from the reported 148 to 155.
- Work on WL2 was supported in part by National Science Foundation grants BSR 8607049 and BSR 8796279 to D.W. Stevenson.

WL3 (Stevenson & Osborne, 1993a):

- No changes were to be expected in *Ceratozamia*; Stevenson *et al.* (1986) was again suggested as a thorough treatment of the genus.
- Much confusion and considerable criticism arose of Schuster’s (1932) work on *Cycas*, causing the authors to ignore this publication during the preparation of WL3; much field work was reported to be necessary before the taxonomic status of the genus could be considered ‘satisfactory’; Butt (1990) was suggested as a source of useful information on Australian representatives of the genus; and reference was made to work being conducted by Sabato and Stevenson that would address the issue of typification and valid publication of names.
- Taxonomy of *Dioon* was again reported to be fairly complete, and no significant changes were anticipated; Sabato and De Luca (1985) was reiterated as a comprehensive review of the genus.
- Taxonomy of *Encephalartos* was reported to be nearly complete, although several potential new taxa were under investigation; the authors also stated that the treatment of South African taxa by Dyer (1965) remained valid and that the popular works of Giddy (1984) and Goode (1989) could serve as useful references.
- The authors stated that the treatment of *Lepidozamia* by Johnson (1959) remained valid.
- The taxa of *Macrozamia* were divided among Section *Macrozamia* and Section *Parazamia*; the authors reiterated their support for Johnson’s (1959) treatment of this genus.
- The authors reported that taxonomy of *Zamia* has always presented difficulties and that further revision remained necessary; *Zamia* localities were made more specific; the authors again suggested Eckenwalder (1980) and Stevenson and Sabato (1986) as good references focusing on the difficulties of *Zamia* taxonomy.
- The number of valid species in the genera *Encephalartos* (52) and *Macrozamia* (14) did not coincide with the actual number of species names listed within them; the former is explained by the accidental omission of *E. cycadifolius* during the printing of the list (R. Osborne, pers. comm.); the correct numbers were 51 and 16, respectively—thereby increasing the total species in the list from 182 to 183 (184 if we include *E. cycadifolius*, which was supposed to be included).

WL4 (Stevenson & Osborne, 1993b):

- The three cycad families—Cycadaceae (containing all species of *Cycas*), Stangeriaceae (containing *Bowenia* and *Stangeria*), and Zamiaceae (containing all other genera)—were added, and taxa were arranged alphabetically by family, instead of by genus as in previous lists.
- Asterisks denoted the type species within each genus.

- The abbreviations, AUS, MEX, and RSA, were added to represent Australia, Mexico, and the Republic of South Africa, respectively—the three main centers of cycad endemism.
- A note indicated that, while the treatment of *Bowenia* by Johnson (1959) remained valid, the Tinaroo (Queensland) population may be described as a separate species in the future.
- Although some support existed for both *Ceratozamia latifolia* and *C. robusta* reverting to varietal status, the authors chose to leave them as full species—following Stevenson *et al.* (1986).
- It was noted that the genus *Chigua* was recently described by Stevenson (1990).
- It was noted that major progress had occurred in Australian *Cycas* by Hill (1992), but that much more field work remained to be done, especially with respect to the broad concepts of *C. circinalis* and *C. rumphii*, and clarification of the status of several other taxa; another note referenced the anticipated publication of a revised edition of Pant's (1993) "*Cycas* and the Cycadales;" and the following synonyms were introduced: *C. gracilis*, *C. kennedyana* & *C. normanbyana* (= *C. media*).
- The authors stated that Johnson's (1959) treatment of *Macrozamia* had been partially revised by Jones (1991) and that several taxonomic problems had been resolved, although further changes were still anticipated; Butt's (1991) treatment of Australian Zamiaceae was suggested as a useful resource.
- Several footnotes on the genus *Zamia* suggested that 10 of the names listed in WL3 were invalid; the invalid names were not removed from the list, but were instead placed within brackets; the following is a summary of the problematic names:
 - *Z. cupatiensis* is a synonym of *Z. ulei*.
 - *Z. jirijirimensis* is a synonym of *Z. lecointei*.
 - *Z. obidensis* is most likely a shaded, juvenile form of *Z. lecointei*.
 - *Z. lawsoniana* and *Z. sylvatica* are probably synonyms of *Z. loddigesii*.
 - *Z. poeppigiana* and *Z. lindenii* descriptions are identical, and the former name has nomenclatural priority.
 - *Z. lindleyi* is now considered *nomen dubium*.
 - *Z. monticola* and *Z. verschaffeltii* are synonyms of *Z. muricata*.
 - *Z. picta* and *Z. variegata* were almost certainly named from the same material collected by Warszewicz in Guatemala, and the latter name has nomenclatural priority.

WL5 (Stevenson *et al.*, 1995):

- Additional progress was reported by Hill (1993, 1994a) on Australian *Cycas*; additional extensive work on Asian and Pacific island representatives by Hill (1994b, 1994c, 1995) was nearing resolution; and Volume 1 of the *Journal of the Cycad Society* (1994) was listed as a source of information on Chinese *Cycas*.
- The authors provided the following list of names within the genus *Encephalartos* that were in common usage at the time and which were in need of proper assignment: *E.* sp. "Msinga" (KwaZulu-Natal, aff. *E. natalensis*), *E.* sp. "Piet Retiefii" (E. Transvaal, aff. *E. lebomboensis*), *E.* sp. "venitus" (E. Transvaal, aff. *E. cupidus*), *E.* sp. "Lake George" (Uganda, aff. *E. ituriensis*), and *E.* sp. "Jinja" (Kenya).
- Additional taxonomic problems in *Macrozamia* had been resolved (Jones & Forster, 1994), but further changes may still be necessary.
- The 10 *Zamia* synonyms mentioned in WL4 remained in brackets.

WL6 (Osborne *et al.*, 1999):

- The journals in which the original descriptions were published were added to the list, and new taxa that had been described since WL5 were indicated with a dagger.
- The following main *Cycas* synonyms were provided: *C. circinalis* (syn. *C. undulata*); *C. media* subsp. *media* (syn. *C. normanbyana*, *C. kennedyana*).

- An additional list of *Cycas* synonyms from the *Flora of China* (no citation provided) were also included: *C. taiwaniana* (syn. *C. diannanensis* Z.T. Guan & G.D. Tao and *C. tanqingii* D.Y. Wang); *C. miquelii* (syn. *C. ferruginea* F.N. Wei and *C. sexseminifera* F.N. Wei); *C. multipinnata* (syn. *C. longipetiolula* D.Y. Wang); *C. micholitzii* (syn. *C. multifrondis* D.Y. Wang); *C. szechuanensis* (syn. *C. fairylakea* D.Y. Wang, *C. guizhouensis* Lan & R.F. Zhou, *C. multiovula* D.Y. Wang, *C. parvulus* S.L. Yang, *C. segmentifida* D.Y. Wang & C.Y. Deng and *C. shiwandashantca* H.T. Chang & Y.C. Zhong).
- An additional note indicated that the taxonomy of Chinese *Cycas* was in confusion, and that the authors chose to follow the forthcoming *Flora of China*; Hill (1996) and Wang and Liang (1996) were added as additional *Cycas* references.
- The authors stated there was no longer support for *Ceratozamia latifolia* and *C. robusta* reverting to varietal status (e.g., Vovides *et al.*, 1983); they continued to follow Stevenson *et al.* (1986).
- The following *Encephalartos* synonyms were provided: *E. caffer* (syn. *E. brachyphyllus* Lehm. & De Vriese); *E. cycadifolius* (syn. *E. eximius* I. Verd.); *E. ferox* (syn. *E. kosiensis* Hutch.); *E. dyerianus* (syn. *E. graniticolus* Robbertse *et al.*); *E. longifolius* (syn. *E. lanuginosus* (Jacq.) Lehm.); *E. poggei* (syn. *E. lemarinellianus* De Wild.); *E. horridus* (syn. *E. nanus* Lehm.); *E. dolomiticus* (syn. *E. verrucosus* Robbertse *et al.*); *E. equatorialis* (syn. *E. imbricans* P. Vorster); *E. whitelockii* (syn. *E. successibus* P. Vorster).
- Nine of the 10 *Zamia* synonyms given in WL4 and WL5 were removed from the list, while *Z. monticola* was re-instated as a valid species.
- The number of *Cycas* species reported to be in the list (65) was incorrect; the actual number included was 64.
- The number of valid species reported to be included in the list (242) did not coincide with the actual number of names listed therein; the correct number of species listed was 243.

WL7 (Hill *et al.*, 2004a):

- Families were removed from the list, Section *Macrozamia* and Section *Parazamia* were removed, and the taxa were once again listed alphabetically by genus.
- Numerous new species were added in the following genera: *Ceratozamia* (9), *Cycas* (35), *Dioon* (3), *Encephalartos* (5), *Macrozamia* (2), and *Zamia* (13).
- Hill and Stevenson's (1998-2005) *The Cycad Pages* website was announced.
- The authors instituted the following standards:
 - International Code of Botanical Nomenclature was consulted for priority of names appearing in the list (<http://www.ipni.org>).
 - Authors' names were abbreviated in accordance with Brummit and Powell (1992) and the International Plant Names Index website (<http://www.ipni.org>).
 - Journals were abbreviated according to the *Botanico-Periodicum-Huntianum* standard (Lawrence *et al.*, 1968).
 - Other reference material followed Stafleu and Cowan (1976-1983), with page numbers given as the first and last numbers of the taxonomic treatment within the relevant publication.
- A final note acknowledged the considerable progress that had been made in cycad taxonomy since the publication of WL1.

WL8 (Hill *et al.*, 2004b):

- Numerous synonyms were provided for all genera, although no attempt was made for this list to be either exhaustive or complete.
- Reference was made to recent taxonomic changes reflected in WL7.
- Details of the nature and locality of type specimens were added in a separate column; the following specimen abbreviations were used: H = holotype, I = isotype, L = lectotype, N =

neotype, SYN = syntype, and BAS = under basionym; abbreviations for herbaria followed *Index Herbariorum* (Holmgren *et al.*, 1990; <http://sciweb.nybg.org/science2/IndexHerbariorum.asp>).

- A fairly extensive list of useful and/or interesting cycad publications, organized by region, was appended following the Literature Cited section.

WL9 (Hill *et al.*, 2004c): There were no significant changes, additions, or deviations from WL8.

WL10 (Hill *et al.*, 2007):

- Letter designations of the threatened status of each taxon—as listed in the *IUCN/SSC Cycad Action Plan* (Donaldson, 2003)—were added, using the following abbreviations: EW = extinct in the wild, CR = critically endangered, EN = endangered, VU = vulnerable, NT = near threatened, LC = least concern, DD = data deficient, and NE = not evaluated.
- The type species designation for *Encephalartos* was changed from *E. friderici-guilielmi* Lehm. to *E. caffer* (Thunb.) Lehm., following Vorster (2004).
- Distribution information was updated or amended for several species.

WL11 (Osborne *et al.*, *in press*):

- Several new species and new synonyms were added to the list.
- Following Lindström (2009), the genus *Chigua* was reassigned to *Zamia* (as a single species, *Z. restrepoi*).
- *Cycas fairylakea* was reduced to a subspecies of *C. szechuanensis*, and *C. littoralis* was reduced to a synonym of *C. edentata*.
- *Zamia verschaffeltia* was determined to be a *nomen dubium*.
- Red List designations were updated based on the revised IUCN Red List (IUCN, 2009).

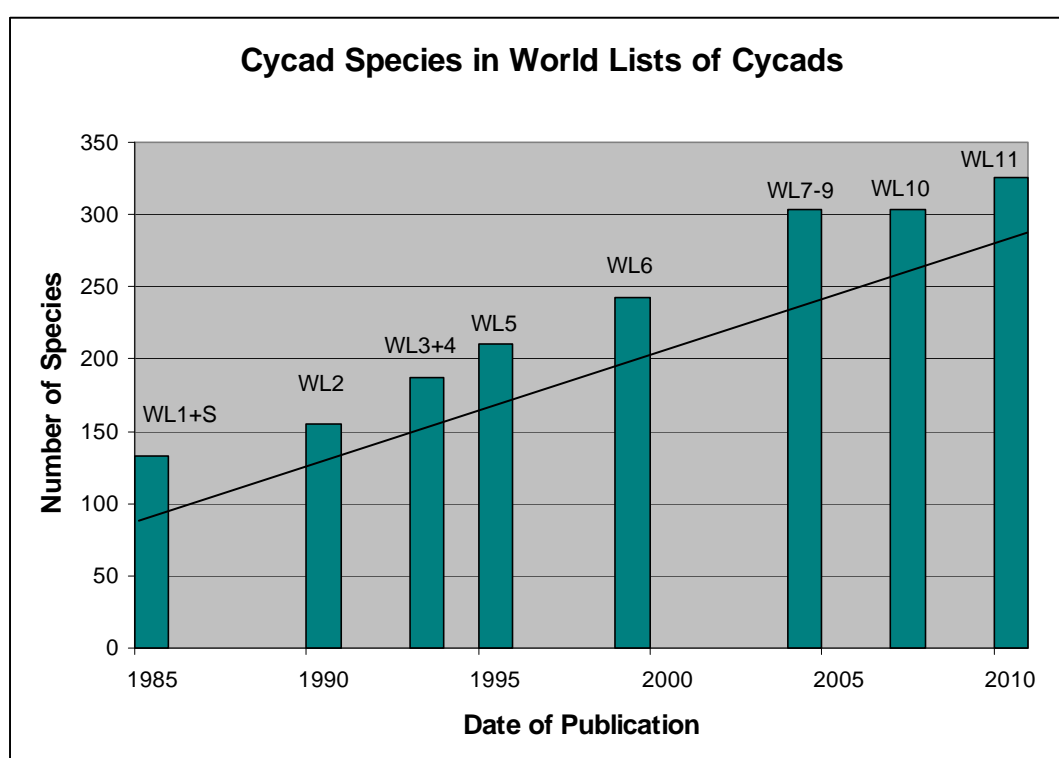
The Cycad Pages website (Hill & Stevenson, 1998-2008):

- *The Cycad Pages* is primarily an online version of the World List of Cycads expanded to include all known synonyms and details of typification of all validly published names.
- The World List section of the website provides a separate page for every known extant cycad. Each page includes the following:
 - Name and etymology
 - Author(s) and citation for the original description
 - Information about the type specimen
 - Photos (if available) of plants in habitat, male and female cones, and the type specimen
 - Historical notes and distinguishing features
 - Distribution and habitat
 - Conservation status, according to the *IUCN Red List* (<http://www.redlist.org>)
 - Specific descriptive details
- In addition to the individual pages described above, the following is provided for all cycad genera:
 - Dichotomous key to the species
 - Publication details and designation of the type species
 - Distinguishing characteristics
 - Description of habitat and vegetative and reproductive traits
- The website also provides additional cycad-related information, including the following:
 - An introductory article on cycads, and general information on cycad identification and classification, including the currently recognized hierarchical classification of living cycads, a list of important morphological traits used in identifying cycad taxa, and a key to the genera
 - Articles on cycad ecology and conservation, coralloid roots and nitrogen fixation, evolution and the fossil record, geography and distribution, and cycad genomics
 - Horticultural information, including how to obtain, propagate and grow plants

- Cultural, medicinal, and ethnic significance of cycads in different parts of the world
- Where to see cycads, in the wild or in gardens
- A list of cycad societies around the world
- Web links to more cycad-related information, news, and references

WORLD LISTS AND CYCAD TAXONOMY

Although mentioned briefly above, it is important to reiterate that the number of taxa appearing on the various world lists over the past two decades has reflected both significant changes and increased activity in cycad taxonomy. Dyer (1886) remarked that there were only nine genera and 75 species of cycads. Interestingly, more valid species have been added to the world list since its inception (195) than were known when the first list was published in 1985 (130). It is also interesting that the number of new species added has been pretty consistent over the past 15 years (avg. 13 per year). The figure below illustrates the number of species appearing in the World List of Cycads since its inception.



DESCRIPTION OF TABLES

The remainder of this document consists primarily of two tables. First is a comparison table (p. 10) listing the total number of species and infra-specific taxa included in each list, the number of species that were added and removed from one list to the next, and the number of synonyms provided in each list.

Second is a compilation table (pp. 11-34) listing every cycad name ever included on a formal World List of Cycads. In addition to the name, this table also provides the following additional information for each valid taxon: author(s), distribution, date of publication and abbreviated journal citation, location of the type specimen, list in which the taxon was added (or removed), current conservation status (if known), and a partial list of synonyms (by genus). It should be noted here that, because WL0 and WL00 were not actually taxonomic evaluations of cycad taxa, they will not be addressed in the compilation table. Like the world lists themselves, this review document will be dynamic and will be updated following the publication of each new World List of Cycads.

COMPARISON OF WORLD LISTS OF CYCADS

	WL1	WL1S	WL2*	WL3	WL4	WL5	WL6	WL7	WL8	WL9	WL10	WL11
Total species (infra-species or sp. nov.)	130 (61)	---	155 (53)	183 (9)	187 (8)	210 (8)	243 (19)	303 (10)	305 (10)	303 (10)	304 (10)	326 (9)
<i>Bowenia</i>	2 (0)	---	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)
<i>Ceratozamia</i>	9 (8)	---	10 (0)	11 (0)	11 (0)	12 (0)	12 (0)	21 (0)	21 (0)	21 (0)	20 (0)	26 (0)
<i>Chigua</i>	---	---	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	0 (0)
<i>Cycas</i>	15 (29)	---	17 (41)	33 (2)	39 (2)	52 (2)	64 (13)	98 (8)	99 (8)	99 (8)	100 (8)	105 (7)
<i>Dioon</i>	10 (6)	---	10 (4)	10 (2)	10 (4)	10 (4)	10 (4)	13 (0)	13 (0)	13 (0)	13 (0)	14 (0)
<i>Encephalartos</i>	43 (4)	---	51 (5)	51 (2)	54 (2)	54 (2)	61 (2)	65 (2)	65 (2)	65 (2)	65 (2)	65 (2)
<i>Lepidozamia</i>	2 (0)	---	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)	2 (0)
<i>Macrozamia</i>	14 (3)	---	13 (3)	16 (3)	21 (0)	30 (0)	39 (0)	40 (0)	40 (0)	40 (0)	41 (0)	41 (0)
<i>Microcycas</i>	1 (0)	---	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
<i>Stangeria</i>	1 (0)	---	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)	1 (0)
<i>Zamia</i>	33 (11)	---	46 (0)	54 (0)	44 (0)	44 (0)	49 (0)	58 (0)	59 (0)	57 (0)	57 (0)	69 (0)
Species added (rem.)	---	3 (1)	24 (3)	31 (3)	16 (12)	24 (1)	33 (0)	68 (8)	2 (0)	0 (2)	3 (3)	27 (5)
<i>Bowenia</i>	---	---	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<i>Ceratozamia</i>	---	0 (1)	2 (0)	1 (0)	1 (1)	1 (0)	0 (0)	9 (0)	0 (0)	0 (0)	0 (1)	6 (0)
<i>Chigua</i>	---	---	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (2)
<i>Cycas</i>	---	2 (0)	0 (0)	16 (0)	7 (1)	14 (1)	12 (0)	36 (2)	1 (0)	0 (0)	2 (1)	7 (2)
<i>Dioon</i>	---	---	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (0)	0 (0)	0 (0)	0 (0)	1 (0)
<i>Encephalartos</i>	---	---	8 (0)	2 (2)	3 (0)	0 (0)	7 (0)	5 (1)	0 (0)	0 (0)	0 (0)	0 (0)
<i>Lepidozamia</i>	---	---	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<i>Macrozamia</i>	---	---	0 (1)	4 (1)	5 (0)	9 (0)	9 (0)	2 (1)	0 (0)	0 (0)	1 (0)	0 (0)
<i>Microcycas</i>	---	---	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<i>Stangeria</i>	---	---	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
<i>Zamia</i>	---	1 (0)	14 (2)	8 (0)	0 (10**)	0 (0)	5 (0)**	13 (4)	1 (0)	0 (2)	1 (1)	13 (1)
Synonyms provided	---	---	---	---	10	10	25	25	174	175	177	177
<i>Bowenia</i>	---	---	---	---	0	0	0	0	2	2	2	2
<i>Ceratozamia</i>	---	---	---	---	0	0	0	0	6	6	6	6
<i>Chigua</i>	---	---	---	---	0	0	0	0	0	0	0	0
<i>Cycas</i>	---	---	---	---	0	3	15	15	52	51	53	81
<i>Dioon</i>	---	---	---	---	0	0	0	0	12	12	12	12
<i>Encephalartos</i>	---	---	---	---	0	0	10	10	27	27	27	24
<i>Lepidozamia</i>	---	---	---	---	0	0	0	0	5	5	5	2
<i>Macrozamia</i>	---	---	---	---	0	0	0	0	8	8	7	10
<i>Microcycas</i>	---	---	---	---	0	0	0	0	1	1	1	1
<i>Stangeria</i>	---	---	---	---	0	0	0	0	4	4	4	4
<i>Zamia</i>	---	---	---	---	10**	10**	0	0	57	59	59	65

* Information in this column is based on a comparison of WL2 with WL1+WL1S.

** WL4 provided 10 *Zamia* synonyms, but the names were not actually removed until WL6 (they were just placed in brackets), and then only nine names were removed (the other name, *Z. monticola*, was reinstated as a valid species).

COMPILATION OF WORLD LISTS OF CYCADS

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
BOWENIA Hook. ex Hook. f. (2 species)	Australia	1863	<i>Bot. Mag.</i> 89: sub t. 5398	---	1	---
<i>B. serrulata</i> (W. Bull) Chamb.	Australia (Qld)	1912	<i>Bot. Gaz.</i> 54: 419	t. 5	1	LC
* <i>B. spectabilis</i> Hook. ex Hook. f.	Australia (Qld)	1863	<i>Bot. Mag.</i> 89: sub t. 5398	t. 5398	1	LC
Synonyms:	Synonymy:					
<i>B. spectabilis</i> var. <i>serrata</i> Bailey	<i>B. serrulata</i>	1883	<i>Queensland Flora</i> p. 501	I—K	8	---
<i>B. spectabilis</i> var. <i>serrulata</i> W. Bull	<i>B. serrulata</i>	1878	<i>Retail List</i> 143: 4, t. 5	t. 5	8	---
CERATOZAMIA Brongn. (26 species)	Belize, Guatemala, Mexico	1846	<i>Ann. Sci. Nat. Bot Ser.</i> 3, 5: 7-9, t. 1	---	1	---
<i>C. alvarezii</i> Pérez-Farr., Vovides & Iglesias	Mexico (Chiapas)	1999	<i>Novon</i> 9(3) 410-413	H—CHIP	7	EN B1ab(i,iii)+2ab (i,iii)
<i>C. becerrae</i> Pérez-Farr., Vovides & Schutzman	Mexico (Chiapas, Tabasco)	2004	<i>Bot. J. Linn. Soc.</i> 146: 123-128	H—XAL	7, as <i>C. beccarae</i> ; changed to <i>C. beccarae</i> in 8 & <i>C. beccerae</i> in 10	EN B1ab(i,iii,iv)+ 2ab(i,ii,iv)
<i>C. brevifrons</i> Miq.	Mexico (Veracruz)	1847	<i>Tijdschr. Wis-Natuurk. Wetensch. Eerste Kl. Kon. Ned. Inst. Wetensch.</i> 1: 41-42	?	11	DD
<i>C. chimalapensis</i> Pérez-Farr. & Vovides	Mexico (Oaxaca)	2008	<i>Bot. J. Linn. Soc</i> 157: 169-175	H—HEM	11	CR B1
<i>C. decumbens</i> Vovides, S. Avendaño, Pérez-Farr. & González-Astorga	Mexico (Veracruz)	2008	<i>Novon</i> 18: 109-114	H—XAL	11	CR B2
<i>C. euryphyllidia</i> Vázq. Torres, Sabato & D.W. Stev.	Mexico (Oaxaca, Veracruz)	1986	<i>Brittonia</i> 38(1): 17-26	H—NY	1	CR B1ab (i-v)+2ab (i-v)
<i>C. fuscoviridis</i> D. Moore	Mexico (Hidalgo)	1878	<i>Sci. Proc. Roy. Dublin Soc. Ser. 2:</i> 113-114	?	7 (10) 11	CR B1ab(i,iii-v); C1
<i>C. hildae</i> G.P. Landry & M.C. Wilson	Mexico (Querétaro, San Luis Potosí)	1979	<i>Brittonia</i> 31(3): 422-424, fig. 1	H—GH	1	EN A2abcd; B1ab (ii-iv)
<i>C. hondurensis</i> J.L. Haynes, Whitelock, Schutzman & R.S. Adams	Honduras (Atlántida)	2008	<i>The Cycad Newsletter</i> 31 (2/3): 16-21	H—EAP	11	CR A2acd+3cd B1b (i-v) C1+2a(ii)
<i>C. huastecorum</i> S. Avendaño, Vovides & Cast.- Campos	Mexico (Veracruz)	2003	<i>Bot. J. Linn. Soc.</i> 141: 395-398	H—XAL	7	DD
<i>C. kuesteriana</i> Regel	Mexico (Tamaulipas)	1857	<i>Bull. Soc. Imp. Naturalistes Moscou</i> 30: 186-188, t. 3, fig. 6; t. 4, fig. 22	H—LE	1	CR B1ab(ii-iv)+2ab (ii-iv)
<i>C. latifolia</i> Miq.	Mexico (Hidalgo, Querétaro, San Luis Potosí, Veracruz)	1848	<i>Tijdschr. Wis-Natuurk. Wetensch. Eerste Kl. Kon. Ned. Inst. Wetensch.</i> 1: 206	N—NY	2	VU A2cd; C1
<i>C. matudae</i> Lundell	Guatemala (Huehuetenango, San Marcos), Mexico (Chiapas)	1939	<i>Lloydia</i> 2(2): 75-76	H—MICH	1, as <i>C. matudai</i> ; spelling corr. 2	EN B1ab(iii,v)+ 2ab (iii,v)
* <i>C. mexicana</i> Brongn.	Mexico (Hidalgo, Puebla, Veracruz)	1846	<i>Ann. Sci. Nat. Bot. Ser.</i> 3, 5: 7-8, t. 1	H—P	1	VU A2cd; C1
var. <i>latifolia</i> (Miquel) Schuster †	---	1932	<i>Pflanzenr. (Engler) [Heft 99] 4,Fam.</i> 1:131	---	1 (2)	---
var. <i>longifolia</i> (Miquel) Schuster †	---	1932	<i>Pflanzenr. (Engler) [Heft 99] 4,Fam.</i> 1:131	---	1 (2)	---
var. <i>longifolia</i> forma <i>fuscoviridis</i> D. Moore ex Schuster †	---	---	---	---	1 (2)	---
var. <i>longifolia</i> forma <i>tenuis</i> (Dyer) Schuster †	---	---	---	---	1 (2)	---
var. <i>miqueliana</i> (H.Wendl.) Schuster †	---	1932	<i>Pflanzenr. (Engler) [Heft 99] 4,Fam.</i> 1:131	---	1 (2)	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
var. <i>robusta</i> (Miquel) Dyer †	---	---	---	---	1 (2)	---
var. <i>tenuis</i> Dyer †	---	1884	<i>Biol. Cent.-Amer., Bot.</i> 3(16): 193.	---	1 (2)	---
var. <i>vulgaris</i> Schuster †	---	1932	<i>Pflanzenr. (Engler) [Heft 99] 4,Fam.1:131</i>	---	1 (2)	---
<i>C. microstrobila</i> Vovides & J.D. Rees	Mexico (San Luis Potosí)	1983	<i>Madroño</i> 30(1): 38-41	HXAL	3 (4) 5	VU A2abe; C1
<i>C. miqueliana</i> H. Wendl.	Mexico (Chiapas, Tabasco, Veracruz)	1854	<i>Index Palm.</i> : 68	N—NY	1 (1S) 2	VU A2acd; C1
<i>C. mirandae</i> Vovides, Pérez-Farr. & Iglesias	Mexico (Chiapas)	2001	<i>Bot. J. Linn. Soc.</i> 137(1): 81-85, fig. 1-2 as <i>C. mirandae</i>	H—CHIP	7, changed from <i>C. norstogii</i>	VU
<i>C. mixeorum</i> Chemnick, T.J. Greg. & S. Salas-Mor.	Mexico (Oaxaca)	1997	<i>Phytologia</i> 83(1): 47-52 (issued 1998)	H—HNT	7	DD
<i>C. moretii</i> Vázq. Torres & Vovides	Mexico (Veracruz)	1998	<i>Novon</i> 8(1): 87-90, fig. 1	H—CIB	7	EN B1ab(i,iv,v)+ 2ab(i,iv,v)
<i>C. norstogii</i> D.W. Stev.	Mexico (Chiapas, Oaxaca)	1982	<i>Brittonia</i> 34: 181-184, figs 1-2	H—NY	1; changed to <i>C. mirandae</i> in 7; known as <i>C. sp. "plumosa"</i> assigned to " <i>C. norstogii</i> "	CR A2abd; B1ab (iii-v)
<i>C. robusta</i> Miq.	Belize (Cayo, Stann Creek, Toledo), Guatemala (Alta Verapaz, Petén, Quiché, Huehuetenango, Izabal), Mexico (Chiapas, Oaxaca, Veracruz)	1847	<i>Tijdschr. Wis-Natuurk. Wetensch. Eerste Kl. Kon. Ned. Inst. Wetensch.</i> 1: 42-43	N—NY	2	VU A2acd; C1
<i>C. sabatoi</i> Vovides, Vázq. Torres, Schutzman & Iglesias	Mexico (Hidalgo, Querétaro)	1993	<i>Novon</i> 3(4): 502-504	H—XAL	4	EN B1ab(i,ii,iv)+ 2ab(i,ii,iv)
<i>C. vovidesii</i> Pérez-Farr. & Iglesias	Mexico (Chiapas)	2007	<i>Bot. J. Linn. Soc.</i> 153: 393-400, figs 1-6	H—HEM	11	VU C2a
<i>C. whitelockiana</i> Chemnick & T.J. Greg.	Mexico (Oaxaca)	1995	<i>Phytologia</i> 79(1): 51-57 (issued 1996)	H—HNT	7	EN B1ab(i-iii,v)+ 2ab(i-iii,v); C1
<i>C. zaragozae</i> Medellin-Leal	Mexico (San Luis Potosí)	1963	<i>Brittonia</i> 15: 175-176	H—SLPM	1	CR A2acd; B1ab (iii-v)
<i>C. zoquorum</i> Pérez-Farr., Vovides & Iglesias	Mexico (Chiapas)	2001	<i>Bot. J. Linn. Soc.</i> 137(1): 81-85, fig.1	H—CHIP	7	CR
Synonyms:	Synonymy:					
<i>C. boliviana</i> Brongn.	<i>Zamia boliviana</i>	1846	<i>Ann. Sci. Nat. Bot. Ser.</i> 3, 5: 9	L—P	8	---
<i>C. brevifrons</i> Miq.	<i>C. mexicana</i>	1847	<i>Tijdschr. Wis-Natuurk. Wetensch. Eerste Kl. Kon. Ned. Inst. Wetensch.</i> 1: 41-42	?	8 (11)	---
<i>C. intermedia</i> Miq.	<i>C. mexicana</i>	1847	<i>Tijdschr. Wis-Natuurk. Wetensch. Eerste Kl. Kon. Ned. Inst. Wetensch.</i> 1: 40-41	?	8	---
<i>C. katzeriana</i> Regel	<i>Zamia katzeriana</i>	1876	<i>Trudy Imp. S.-Peters.. Bot. Sada</i> 4: 298	L—LE	8	---
<i>C. longifolia</i> Miq.	<i>C. mexicana</i>	1847	<i>Tijdschr. Wis-Natuurk. Wetensch. Eerste Kl. Kon. Ned. Inst. Wetensch.</i> 1: 40	?	8	---
<i>C. mexicana</i> var. <i>tenuis</i> Dyer	<i>C. vovidesii</i>	1884	<i>Biol. Cent. Amer.</i> 3(16): 193	H—K	11	---
<i>DIPSACOZAMIA</i> Lehm.	<i>CERATOZAMIA</i>	1846	in Lindl., <i>Veg. Kingd.</i> : 225	C	8	---
CHIGUA D.W. Stev. (0 species) †	---	1990	<i>Mem. New York Bot. Gard.</i> 57: 169-172	---	2 (11)	---
<i>C. bernalii</i> D.W. Stev. †	---	1990	<i>Mem. New York Bot. Gard.</i> 57: 169-172	H—COL	2 (11)	---
* <i>C. restrepoi</i> D.W. Stev. †	---	1990	<i>Mem. New York Bot. Gard.</i> 57: 169-172	H—HUA	2 (11)	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>CYCAS</i> L. (105 species)	Asia, Australia, Indian & SW Pacific Ocean countries	1753	<i>Sp. Pl.</i> : 1188.	---	1	---
<i>C. aculeata</i> K.D. Hill & H.T. Nguyen	Vietnam (Da Nang)	2004	<i>Bot. Rev.</i> 70(2): 149-150	H—HN	7	EN B1ab(iii-v)+2ab (iii-v); C1
<i>C. aenigma</i> K.D. Hill & A. Lindstr.	Philippines (Palawan - cult.)	2008	<i>Telopea</i> 12(1): 130-132, fig. 3	H—LBC	11	DD
<i>C. angulata</i> R. Br.	Australia (NT, Qld)	1810	<i>Prodr.</i> 1: 348	H—BM	3	LC
<i>C. annaikalensis</i> Rita Singh & P. Radha	India (Western Ghats)	2006	<i>Brittonia</i> 58(2): 119-123	H—IUPH	11	DD
<i>C. apoa</i> K.D. Hill	Indonesia (Papua), Papua New Guinea (West Sepik, Morobe)	1994	<i>Austral. Syst. Bot.</i> 7: 553-554, fig. 9	H—CANB	5	NT
<i>C. arenicola</i> K.D. Hill	Australia (NT)	1993	<i>Telopea</i> 5(2): 419-422	H—NSW	4	NT
<i>C. armstrongii</i> Miq.	Australia (NT)	1868	<i>Arch. Néerl. Sci. Exact. Nat.</i> 3(5): 235-236	H—U	3	LC
<i>C. arnhemica</i> K.D. Hill	Australia (NT)	1994	<i>Telopea</i> 5(4): 693-696, fig. 1	H—NSW	5	LC
subsp. <i>muninga</i> Chirgwin & K.D. Hill	Australia (NT)	1996	<i>Telopea</i> 7(1): 44-46, fig. 20	H—NSW	6	LC
subsp. <i>naija</i> K.D. Hill	Australia (NT)	1996	<i>Telopea</i> 7(1): 46-47, fig. 21	H—DNA	6	LC
<i>C. badensis</i> K.D. Hill	Australia (Qld)	1996	<i>Telopea</i> 7(1): 20-21, fig. 9	H—BRI	6	NT
<i>C. baguanheensis</i> L.K. Fu & S.Z. Cheng †	---	1981	<i>Acta Phytotax. Sin.</i> 19(3): 337	H—PE	1, as <i>C. buguanheensis</i> ; spelling corr. in 1S (5)	---
<i>C. balansae</i> Warb.	China (Guangxi), Vietnam (Lang Son, Q. Ninh, Thai Nguyen, Vinh Phuc)	1900	<i>Monsunia</i> 1: 179	H—P	3	NT
<i>C. basaltica</i> C.A. Gardner	Australia (WA)	1923	<i>Bull. Woods Forests Dept., Western Australia</i> 32: 31	H—PERTH	3	LC
<i>C. beddomei</i> Dyer	India (Andhra Pradesh)	1885	<i>Trans. Linn. Soc. London, Bot. Ser.</i> 2, 5: 85-86. pl. 17	H—K	3	CR B1ab(i,ii,iv)+2ab (i,ii,iv)
<i>C. bifida</i> (Dyer) K.D. Hill	China (Guangxi, Yunnan), Vietnam (Cao Bang, Lang Son, Tuyen Quang)	2004	<i>Bot. Rev.</i> 70(2): 161-163	H—K	7	VU A2c
<i>C. bougainvilleana</i> K.D. Hill	Papua New Guinea (Bougainville, New Britain), Solomon Isl.	1994	<i>Austral. Syst. Bot.</i> 7: 557-560, fig. 11	H—NSW	5	NT
<i>C. brachycantha</i> K.D. Hill, H.T. Nguyen & Phan K. Loc	Vietnam (Bac Kan)	2004	<i>Bot. Rev.</i> 70(2): 155-157, fig. 6	H—HN	7	NT
<i>C. brunnea</i> K.D. Hill	Australia (Qld)	1992	<i>Telopea</i> 5(1): 200-201, fig. 15	H—DNA	4	NT
<i>C. cairnsiana</i> F. Muell.	Australia (Qld)	1876	<i>Fragm.</i> 10: 63, 121	H—MEL	1	NT
<i>C. calcicola</i> Maconochie	Australia (NT)	1978	<i>J. Adelaide Bot. Gard.</i> 1(3): 175, fig. 1	H—DNA	1	LC
<i>C. campestris</i> K.D. Hill	Papua New Guinea (Central, Gulf)	1994	<i>Austral. Syst. Bot.</i> 7: 538-540	H—NSW	5	NT
<i>C. canalis</i> K.D. Hill	Australia (NT)	1994	<i>Telopea</i> 5(4): 698-700, fig. 4a-d	H—NSW	5; "subsp. <i>canalis</i> " added in 6, rem. 7	LC
subsp. <i>carinata</i> K.D. Hill †	---	1994	<i>Telopea</i> 5(4): 699-700, fig. 4e-g	H—NSW	5 (10)	LC
<i>C. candida</i> K.D. Hill	Australia (Qld)	2004	<i>Telopea</i> 10(2): 607-611	H—NSW	7	NT
<i>C. chamaoensis</i> K.D. Hill	Thailand (Chantaburi)	1999	<i>Brittonia</i> 51(1): 58, fig. 6	H—NSW	7	CR B1ab(i,iii-v)+2ab(i,iii-v)

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>C. chamberlainii</i> W.H. Brown & Kienholz †	---	1925	<i>Philipp. J. Sci.</i> 26: 47-48, pls 1-2, fig. 1	H—NY	3 (7) 8 (10)	EN B1ab(i,iv)+2ab (i,iv)
<i>C. changjiangensis</i> N. Liu	China (Hainan)	1998	<i>Acta Phytotax. Sin.</i> 36(6): 552-554, fig. 1	H—IBSC	7	EN A4acd; B1ab (i,iii)
<i>C. chevalieri</i> Leandri	Vietnam (Ha Tinh, Nghe An, Quang Binh, Quang Tri)	1931	in Lecomte, <i>Fl. Indo-Chine</i> 5(10): 1092	I—P	1	NT
* <i>C. circinalis</i> L.	India (Andra Pradesh, Karnataka, Kerala, Maharashtra, Tamil Nadu)	1753	<i>Sp. Pl.</i> : 1188	t19, in Rheede, <i>Hort. Malab.</i> 1682	1	DD
var. <i>orixensis</i> Haines †	---	1924	<i>Bot. Bihar Orissa</i> 6: 1228	---	5 (7)	---
subsp. <i>circinalis</i> †	---	---	---	---	2 (3)	---
forma <i>circinalis</i> †	---	---	---	---	2 (3)	---
forma <i>glauca</i> (Miquel) Schuster †	---	---	---	---	1 (3)	---
forma <i>gothanii</i> Schuster †	---	---	---	---	1 (3)	---
forma <i>undulata</i> (Desfontaines) Schuster †	---	---	---	---	1 (3)	---
subsp. <i>madagascariensis</i> (Miquel) Schuster †	---	---	---	---	1 (3)	---
forma <i>madagascariensis</i> †	---	---	---	---	2 (3)	---
forma <i>trigonocarpoides</i> Schuster †	---	---	---	---	1 (3)	---
subsp. <i>papuana</i> (F. Mueller) Schuster †	---	1932	Engler's <i>Das Pflanzenreich Heft</i> 99	---	1 (3)	---
subsp. <i>riuminiana</i> (Porte) Schuster †	---	---	---	---	1 (3)	---
var. <i>riuminiana</i> †	---	---	---	---	2 (3)	---
var. <i>curranii</i> Schuster †	---	---	---	---	1 (3)	---
forma <i>apertorum</i> Schuster †	---	---	---	---	1 (3)	---
forma <i>chamberlainii</i> (W.H. Brown & Keinholtz) †	---	---	---	---	1 (3)	---
forma <i>maritima</i> Schuster †	---	---	---	---	1 (3)	---
var. <i>scratchleyana</i> (F. Mueller) Schuster †	---	---	---	---	1 (3)	---
subsp. <i>vera</i> Schuster †	---	---	---	---	1 (3)	---
var. <i>vera</i> †	---	---	---	---	2 (3)	---
var. <i>beddomei</i> Dyer †	---	---	---	---	1 (3)	---
var. <i>pectinata</i> (W. Griffith) Schuster †	---	---	---	---	1 (3)	---
<i>C. clivicola</i> K.D. Hill	Malaysia,Thailand (Chum-phon, Narathiwat, Phang Nga, Phuket, Ranong, Trang)	1999	<i>Brittonia</i> 51(1): 62-63, fig. 8a-d, g-h	H—NSW	7	NT
subsp. <i>lutea</i> K.D. Hill	Cambodia, Thailand (Prachinburi, Rayong), Vietnam (An Giang, Kien Giang)	1999	<i>Brittonia</i> 51(1): 64, fig. 8e,f,i	H—NSW	7	DD
<i>C. collina</i> K.D. Hill, H.T. Nguyen & Phan K Loc	Vietnam (Son La)	2004	<i>Bot. Rev.</i> 70(2): 142-144	H—HN	7	VU A2c
<i>C. condaoensis</i> K.D. Hill & S.L. Yang	Vietnam (Ba Ria-Vung Tau)	2004	<i>Bot. Rev.</i> 70(2): 178-179, fig. 14	H—K	7	VU D2
<i>C. conferta</i> Chirgwin ex Chirgwin & Wigston	Australia (NT)	1993	<i>J. Adelaide Bot. Gard.</i> 15(2): 147	H—DNA	3	VU C1
<i>C. couttsiana</i> K.D. Hill	Australia (Qld)	1992	<i>Telopea</i> 5(1): 197-198, fig. 13	H—NSW	4	NT
<i>C. cupida</i> P.I. Forst.	Australia (Qld)	2001	<i>Austrobaileya</i> 6: 153	H—BRI	7	VU (as per author)
<i>C. curranii</i> (J. Schust.) K.D. Hill	Philippines (Palawan)	1995	<i>Proc. Third Int. Conf. Cycad Biol.</i> : 150	L—K	5	DD
<i>C. debaoensis</i> Y.C. Zhong & C.J. Chen	China (Guangxi)	1997	<i>Acta Phytotax. Sin.</i> 35(6): 571	H—PE	7	CR B1ab(i,iii-v)+ 2ab(i,iii-v)
<i>C. desolata</i> P.I. Forst.	Australia (Qld)	1995	<i>Austrobaileya</i> 4(3): 345-352, figs 1-5	H—BRI	6	VU D2
<i>C. diannanensis</i> Z.T. Guan & G.D. Tao	China (Yunnan), ?N Vietnam	1995	<i>Sichuan Forestry & Design</i> 1995: 1	?H—I	7	VU A2c

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<i>C. dolichophylla</i> K.D. Hill, H.T. Nguyen & Phan K. Loc	China (Yunnan), Vietnam (Bac Kan, Cao Bang, Ha Giang, Lai Chau, Lao Cai, Ninh Binh, Son La, Thai Nguyen, Thanh Hoa, Tuyen Quang)	2004	<i>Bot. Rev.</i> 70(2): 157-160, fig. 7	H—HN	7	VU A2c
<i>C. edentata</i> de Laub.	Indonesia (Bali, Bengkulu, Jawa Barat, Jawa Tengah, Jawa Timur, Lampung, Riau, Sumatra Utara), Malaysia (Johore, Langkawi, Malacca, Pahang, Perak, Terengganu), Myanmar, Philippines (Balabac, Basilan, Cebu, Masbate, Mindanao, Mindoro, Negros, Palawan, Panay, Polillo), Singapore (Changi), Thailand (Chumphon, Narathiwat, Phang Nga, Phu Ket, Satun, Trang, Trat), Vietnam (Kien Giang)	1998	in De Laub. & Adema, <i>Blumea</i> 43: 372	H—L	7	DD
<i>C. elephantipes</i> A. Lindstr. & K.D. Hill	Thailand (Chaiyaphum)	2002	<i>Brittonia</i> 54(4): 301. fig. 3 (issued 2003)	H—BKF	7	EN
<i>C. elongata</i> (Leandri) D.Yue Wang	Vietnam (Binh Dinh, Khanh Hoa, Ninh Thuang, Phu Yen, Quang Ngai)	1996	<i>Cycads in China</i> : 51, as <i>C. elonga</i>	L—P	6	VU A2c
<i>C. fairylakea</i> D.Yue Wang †	---	1996	<i>Cycads in China</i> : 54	H—SZG	7 (11)	EN
<i>C. falcata</i> K.D. Hill	Indonesia (Sulawesi Selatan, Sulawesi Tenggara)	1999	<i>Kew Bull.</i> 54(1): 209	H—K	7	DD
<i>C. ferruginea</i> F.N. Wei	China (Guangxi), Vietnam (Lang Son, Thai Nguyen)	1994	<i>Guihaia</i> 14: 300	H—IBK	7	NT
<i>C. fugax</i> K.D. Hill, H.T. Nguyen & Phan K. Loc	Vietnam (Phu Tho)	2004	<i>Bot. Rev.</i> 70(2): 145-146, fig. 3	H—HN	7	CR A4acd
<i>C. furfuracea</i> W. Fitzg.	Australia (WA)	1918	<i>J. & Proc. Roy. Soc. W. Australia</i> 3: 108	L—NSW	3	LC
<i>C. glauca</i> hort. ex Miq.	East Timor, Indonesia (Nusa Tenggara Timur, Suma Barat, Sumba Timur, Timur Barat)	1840-41	<i>Comm. Phytog.</i> : 127	L—U	7	DD
<i>C. guizhouensis</i> K.M. Lan & R.F. Zou	China (Guangxi, Guizhou, Yunnan)	1983	<i>Acta Phytotax. Sin.</i> 21(2): 209-210	H—PE	1S (6) 7	NT
<i>C. hainanensis</i> C.J. Chen	China (Hainan)	1975	<i>Acta Phytotax. Sin.</i> 13(4): 82, t. 2, figs 5-6	H—IBSC	1	EN A2abc
<i>C. hoabinhensis</i> Phan K. Loc & H.T. Nguyen	Vietnam (Ha Nam, Ha Tay, Hoa Binh, Ninh Binh)	2004	<i>Bot. Rev.</i> 70(2): 153-155, fig. 5	H—HNU	7	EN A4c
<i>C. hongheensis</i> S.Y. Yang & S.L. Yang	China (Yunnan)	1996	in D.Y. Wang, <i>Cycads in China</i> : 62	H—Panzhihua Inst. Hort	6	CR B1ab(i-v)+2ab (i-v); C1
<i>C. indica</i> A. Lindstr. & K.D. Hill	India (Karnataka)	2007	<i>Telopea</i> 11(4): 481-483, fig. 3	H—E	11	DD
<i>C. inermis</i> Lour.	Vietnam (Da Nang, Dong Nai, Khanh Hoa, Quang Nam)	1793	<i>Fl. Cochinch.</i> ed. 2, 2: 776-777	H—BM	5	VU A2c
<i>C. javana</i> (Miq.) de Laub.	Indonesia (Jawa Barat, Jawa Tengah, Jawa Timur)	1996	in D.Y. Wang, <i>Cycads in China</i> : 65	H—L	6	DD
<i>C. lacrimans</i> A. Lindstr. & K.D. Hill	Philippines (Mindanao)	2008	<i>Telopea</i> 12(1): 136-138, fig. 5	H—NY	11	EN
<i>C. kennedyana</i> F. Mueller †	---	1882	<i>Australas. Chem. Drugg.</i> : 16	H—MEL	3 (4)	---
<i>C. lane-poolei</i> C.A. Gardner	Australia (WA)	1923	<i>Bull. Woods Forests Dept., Western Australia</i> 32: 30-32, fig. e	H—PERTH	5	LC

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<i>C. lindstromii</i> S.L. Yang, K.D. Hill & N.T Hiêp	Vietnam (Ba Ria-Vung Tau, Binh Thuan, Khanh Hoa, Ninh Thuan)	1997	<i>Novon</i> 7: 213-215, fig. 1	H—FTG	6	VU A2c
<i>C. litoralis</i> K.D. Hill †	---	1999	<i>Brittonia</i> 51(1): 70-72, fig. 11	H—NSW	7 (11)	NT
<i>C. maconochiei</i> Chirgwin & K.D. Hill	Australia (NT)	1996	<i>Telopea</i> 7(1): 48-49, fig. 22	H—NSW	6, as “subsp. <i>maco-nochiei</i> ”; subsp. removed in 7	NT
subsp. <i>lanata</i> K.D. Hill	Australia (NT)	1996	<i>Telopea</i> 7(1): 49-51	H—DNA	6	LC
subsp. <i>viridis</i> K.D. Hill	Australia (NT)	1996	<i>Telopea</i> 7(1) : 51-52, fig. 23	H—NSW	6	LC
<i>C. macrocarpa</i> Griff.	Malaysia (Kelantan, Pahang, Terengganu), Thailand (Chanta-buri, Chumphon, Narathiwat, Ranong)	1854	<i>Not. Pl. Asiat.</i> 4: 11-14, pl. 362, fig. 2	H—K	5	VU A2c
subsp. <i>brevidens</i> K.D. Hill †	---	?	?	?	10 (11)	?
<i>C. media</i> R. Br.	Australia (Qld)	1810	<i>Prodr.</i> 1: 348	H—BM	1; “subsp. <i>media</i> ” added in 6, rem. 7	LC
var. <i>media</i> †	---	1868	<i>Prodromus</i> 16(2)	---	2 (3)	---
var. <i>basaltica</i> (C.A. Gardner) Schuster †	---	1932	Engler's <i>Das Pflanzenreich Heft 99</i>	---	1 (3)	---
var. <i>furfuracea</i> (W.V.Fitzgerald) Schuster †	---	1932	Engler's <i>Das Pflanzenreich Heft 99</i>	---	1 (3)	---
var. <i>lane-poolei</i> (C.A. Gardner) Schuster †	---	1932	Engler's <i>Das Pflanzenreich Heft 99</i>	---	1 (3)	---
subsp. <i>banksii</i> K.D. Hill	Australia (Qld)	1996	<i>Telopea</i> 7(1): 15-16	H—NSW	7	LC
subsp. <i>ensata</i> K.D. Hill	Australia (Qld)	1996	<i>Telopea</i> 7(1): 14-15, fig. 6	H—NSW	7	LC
<i>C. megacarpa</i> K.D. Hill	Australia (Qld)	1992	<i>Telopea</i> 5(1): 188-189, fig. 5	H—NSW	4	EN A2c
<i>C. micholitzii</i> Dyer	?Laos, Vietnam (Dac Lak, Gia Lai, Kon Tum)	1905	<i>Gard. Chron.</i> 38: 142-144, figs 48-49	H—K	1	VU A2c
var. <i>micholitzii</i> Dyer †	---	---	---	---	1 (5)	---
var. <i>simplicipinna</i> Smitinand †	---	---	---	---	1 (5, elev. to sp.)	---
<i>C. micronesica</i> K.D. Hill	Micronesia (Mariana Islands)	1994	<i>Austral. Syst. Bot.</i> 7: 554-556, fig. 10	H—NSW	5	EN A3ce
<i>C. miquelii</i> Warb. †	---	1900	<i>Monunia</i> 1: 179, 184	---	6 (7)	---
<i>C. montana</i> A. Lindstr. & K.D. Hill	Indonesia (Nusa Tenggara Timur)	2009	<i>Telopea</i> 12(3): 385-418	H—BO	11	NT
<i>C. multipinnata</i> C.J. Chen & S.Y. Yang	China (Yunnan), Vietnam (Yen Bai)	1994	<i>Acta Phytotax. Sin.</i> 32: 239, 480-481	H—PE	5	EN A2c
<i>C. nathorstii</i> J. Schust.	N Sri Lanka	1932	<i>Pflanzenr.</i> 99: 76, fig. 10e	L—G	1 (4) 5	DD
<i>C. nitida</i> K.D. Hill & A. Lindstr.	Philippines (Luzon)	2008	<i>Telopea</i> 12(1): 142-143, fig. 6	H—NSW	11	NT
<i>C. nongnoochiae</i> K.D. Hill	Thailand (Nakhon Sawan)	1999	<i>Brittonia</i> 51(1): 60-62, fig. 7	H—NSW	7	VU A2c; D2
<i>C. normanbyana</i> F. Mueller †	---	1874	<i>Fragm.</i> 8: 169-171, <i>Icon.</i> 65-66	H—MEL	3 (4)	---
<i>C. ophiolitica</i> K.D. Hill	Australia (Qld)	1992	<i>Telopea</i> 5(1): 190-191, fig. 7	H—NSW	4	NT
<i>C. orientis</i> K.D. Hill	Australia (NT)	1994	<i>Telopea</i> 5(4): 696-697, fig. 3	H—NSW	6	LC
<i>C. pachypoda</i> K.D. Hill	Vietnam (Binh Thuan, Ninh Thuan)	2004	<i>Bot. Rev.</i> 70(2): 176-178, fig. 13	H—HN	7	VU D2
<i>C. panzihuaensis</i> L. Zhou & S. Y. Yang	China (Sichuan, Yunnan)	1981	<i>Acta Phytotax. Sin.</i> 19(3): 335, t. 10, figs. 1-6; t. 11, figs. 1-10	H—PE	1, as <i>C. panzihuaensis</i> ; spelling corr. in 1S	NT
<i>C. papuana</i> F. Muell.	Indonesia (Papua), Papua New Guinea (Western)	1876	<i>Descr. Notes Papuan Pl.</i> 4: 71-72	L—MEL	3	NT

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<i>C. pectinata</i> Buch.-Ham.	Bangladesh, Bhutan, China (Yunnan), NE India, Laos, Myanmar, Nepal, Thailand (Chaiyaphum, Chiang Mai, Kanchanaburi, Loei, Mae Hong Son, Phetchabun, Phrae, Sukhothai), Vietnam (Gia Lai, Kon Tum, Lam Dong, Quang Ngai)	1826	<i>Mem. Wern. Nat. Hist. Soc.</i> 5(2): 322-323, figs 3,5	L—K	3	VU A2c
<i>C. petraea</i> A. Lindstr. & K.D. Hill	Thailand (Loei)	2002	<i>Brittonia</i> 54 (4): 299. fig. 1 (issued 2003)	H—BKF	7	NT
<i>C. platyphylla</i> K.D. Hill	Australia (Qld)	1992	<i>Telopea</i> 5(1): 193-194, fig. 9	H—NSW	4	EN A2c
<i>C. pramburiensis</i> S.L. Yang, W. Tang, K.D. Hill & P. Vatcharakorn	Thailand (Prachuap Khiri Khan)	1999	<i>Brittonia</i> 51(1): 44-47, fig. 1	H—K	7	VU D2
<i>C. pruinosa</i> Maconochie	Australia (NT, WA)	1978	<i>J. Adelaide Bot. Gard.</i> 1(3): 177-178, fig.2	H—DNA	1	LC
<i>C. revoluta</i> Thunb.	?China, Japan (Ryukyu Islands)	1782	<i>Verh. Holl. Maatsch. Weetensch. Haarlem</i> 20(2): 424, 426-427	H—UPS	1	NT
var. <i>revoluta</i> †	---	---	---	---	2 (3)	---
var. <i>robusta</i> †	---	---	---	---	1 (3)	---
var. <i>taiwaniana</i> (Carruthers) Schuster †	---	---	---	---	1 (3)	---
<i>C. riuminiana</i> Porte ex Regel	Philippines (Luzon)	1863	<i>Gartenflora</i> 12: 16-17	H—LE	3	DD
<i>C. rumphii</i> Miq.	Australia (Ashmore Reef, Christmas Island) Indonesia (Jawa Timur, Kalimantan Barat, Maluku, Papua, Sulawesi Utara, Sulawesi Tengah, Sulawesi Selatan, West Papu), Papua New Guinea (West Sepik)	1839	<i>Bull. Sci. Phys. Nat. Néerl.</i> 2: 45	t. 23 in Rumphius, <i>Herb. Amb.</i> , 1749	1	NT
subsp. <i>rumphii</i> †	---	---	---	---	2 (3)	---
var. <i>rumphii</i> †	---	---	---	---	2 (3)	---
var. <i>subinclusa</i> Schuster †	---	---	---	---	1 (3)	---
forma <i>subinclusa</i> †	---	---	---	---	2 (3)	---
forma <i>palauica</i> Kaneh †	---	---	---	---	1 (3)	---
forma <i>papuana</i> (F. Mueller) Kaneh †	---	1938	<i>Botanical Magazine Tokyo</i> 52	---	1 (3)	---
forma <i>seemannii</i> (A. Braun) Kaneh †	---	---	---	---	1 (3)	---
subsp. <i>normanbya</i> (F. Mueller) Schuster †	---	1932	Engler's <i>Das Pflanzenreich Heft</i> 99	---	1, as forma <i>normanbyana</i> ; made subsp. in 2 (3)	---
subsp. <i>zeylanica</i> (Schuster) †	---	---	---	---	1 (3)	---
<i>C. saxatilis</i> K.D. Hill & A. Lindstr.	Philippines (Palawan)	xxxx	<i>In preparation</i>	?	7	DD
<i>C. schumanniana</i> Lauterb.	Papua New Guinea (Eastern Highlands, Madang, Morobe)	1900	<i>Fl. Schutzgeb. Sudsee</i> : 154-155	L—WRSL	4	NT
<i>C. scratchleyana</i> F. Muell.	Indonesia (Papua, Maluku, West Papua), Papua N. Guinea (Central, Gulf, Milne Bay, Western)	1885	<i>Victorian Naturalist</i> 2(2): 18-19	H—MEL	3	NT
<i>C. seemannii</i> A. Braun	Australia (Torres Strait Islands), Fiji, New Caledonia, Tonga, Vanuatu	1876	<i>Sitzungsber. Ges. Naturf. Freunde Berlin</i> : 114-115	L—K	3	VU A2c
<i>C. segmentifida</i> D.Yue Wang & C.Y. Deng	China (Guangxi, Guizhou, Yunnan), ?N Vietnam	1995	<i>Encephalartos</i> 43: 11-14	H—SZG	7	VU A2c

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<i>C. semota</i> K.D. Hill	Australia (Qld)	1996	<i>Telopea</i> 7(1): 23-26, fig.11	H—NSW	6	NT
<i>C. sexseminifera</i> F.N. Wei	China (Guangxi), Vietnam (Cao Bang, Ninh Binh, Thanh Hoa)	1996	<i>Guihaia</i> 16: 1	H—IBK	7	NT
<i>C. shanyaensis</i> G.A. Fu (as ‘ <i>shanyagensis</i> ’)	China (Hainan Island)	2006	<i>Bull. Bot. Res.</i> 26(1): 2-3	H—HFB	11	DD
<i>C. siamensis</i> Miq.	Cambodia, Laos, Myanmar, Thailand (Chachoengsao, Chaiyaphum, Chonburi, Hua Hin, Kanchanaburi, Lampang, Nakhon Ratchasima, Phetchabun, Ratchaburi, Sakon Nakhon, Tak, Uthai Thani, Uttaridit), Vietnam (Dac Lak, Gia Lai, Kon Tum, Nghe An, T. Hoa)	1863	<i>Bot. Zeitung Berlin</i> 21: 334	H—U	1	VU A2c
subsp. <i>siamensis</i> †	---	---	---	---	2 (3)	---
subsp. <i>balansae</i> (Warburg) Schuster †	---	1932	<i>Pflanzenr. (Engler) IV. 1(Heft 99)</i> : 81	---	1 (3)	---
<i>C. silvestris</i> K.D. Hill	Australia (Qld)	1992	<i>Telopea</i> 5(1): 181-182, fig. 1	H—NSW	4	VU D2
<i>C. simplicipinna</i> (Smitinand) K.D. Hill	Laos, ?Myanmar, Thailand (Chiang Mai, Loei, Mae Hong Song), Vietnam (Quang Tri)	1995	<i>Proc. Third Int. Conf. Cycad Biol.</i> : 150	L—BKF	5	NT
<i>C. spherica</i> Roxb.	India (Orissa)	1832	<i>Fl. Ind.</i> : 747	?	7, as <i>C. sphaerica</i> ; spelling corr. in 10	DD
<i>C. sundaica</i> Miq. ex A.Lindstr. & K.D.Hill	Indonesia (Nusa Tenggara Timur)	2009	<i>Telopea</i> 12(3): 385-418	H—BO	7	LC
<i>C. szechuanensis</i> C.Y. Cheng, W.C. Cheng & L.K. Fu	China (Fujian, Guangdong)	1975	<i>Acta Phytotax. Sin.</i> 13(4): 81, t. 1, fig. 7-8	H—PE	1S	CR A2ac; B1ab (i,iii, v)+2ab (i,iii,v); C1
subsp. <i>fairylakea</i> (D.Yue Wang) N. Liu	China (Guangdong)	1996	<i>Proc. Sixth Int. Conf. Cycad Biol.</i> : 1-4	H—SZG	11	EN
<i>C. taitungensis</i> C.F. Shen, K.D. Hill, C.H. Tsou & C.J. Chen	China (Taiwan)	1994	<i>Bot. Bull. Acad. Sin.</i> 35: 135-138	H—HAST	5	VU A2ac
<i>C. taiwaniana</i> Carruth.	China (Guangdong)	1893	<i>J. Bot.</i> 31: 1-3, pl. 331	H—BM	3	EN A2acd
<i>C. tanqingii</i> D.Yue Wang	China (Yunnan), ?Vietnam (Lai Chau)	1996	<i>Cycads of China</i> : 134, fig. 4	H—SZG	7	NT
<i>C. tansachana</i> K.D. Hill & S.L. Yang	Thailand (Saraburi)	1999	<i>Brittonia</i> 51(1): 65-66	H—NSW	7	CR A2c; B1ab (i-v) +2ab(i-v)
<i>C. thouarsii</i> R. Br. ex Gaudich.	Comoros, Kenya, Madagascar, Mozambique, Seychelles, Tanzania	1826	<i>Voy. Uranie, Bot.</i> : 434	?H—P	3	LC
<i>C. tropophylla</i> K.D. Hill & Phan K. Loc	Vietnam (Hai Phong, Quang Ninh)	2004	<i>Bot. Rev.</i> 70(2): 168-170, fig. 10	H—HN	7	NT
<i>C. tuckeri</i> K.D. Hill	Australia (Qld)	1996	<i>Telopea</i> 7(1): 20-23, fig. 10	H—NSW	6	NT
<i>C. vespertilio</i> A. Lindstr. & K.D. Hill	Philippines (Cebu, Leyte, Luzon, Negros, Panay, Samar)	2008	<i>Telopea</i> 12(1): 134-136, fig. 4	H—LBC	11	NT
<i>C. wadei</i> Merrill	Philippines (Culion)	1936	<i>Philipp. J. Sci.</i> 60(3): 234-236, pls 1-4	L—NY	1	DD
<i>C. xipholepis</i> K.D. Hill	Australia (Qld)	1996	<i>Telopea</i> 7(1): 32-33, fig. 15	H—NSW	6	LC
<i>C. yorkiana</i> K.D. Hill	Australia (Qld)	1996	<i>Telopea</i> 7(1): 18-19, fig. 8	H—NSW	6	NT
<i>C. zambalensis</i> Madulid & Ago	Philippines (Luzon)	2005	<i>Blumea</i> 50:519-522	H—PNH	10	CR (provisional)
<i>C. zeylanica</i> (Schuster) A. Lindstr. & K. D. Hill	India (Andaman Islands), S Sri Lanka	2002	<i>Novon</i> 12(2): 238	L—G	7	DD

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
Synonyms:	Synonymy:					
<i>C. acuminatissima</i> H.T. Chang, Y.C. Zhong & Z.F. Lu	<i>C. sexseminifera</i>	1998	<i>Acta Sci. Nat. Univ. Sunyatseni</i> 37: 6	H—SYS	8	---
<i>C. baguanheensis</i> L. K. Fu & S.Z. Cheng	<i>C. panzhihuaensis</i>	1981	<i>Acta Phytotax. Sin.</i> 19(3): 337	H—PE	8	---
<i>C. bellefontii</i> Linden & Rodigas	<i>nomen dubium</i>	1886	<i>Ill. Hort.</i> 33: 27, pl. 586 as <i>C. bellefontii</i>	?	8	---
<i>C. brevipinnata</i> H.T. Chang, Y.Y. Huang & Y.C. Zhong	<i>C. sexseminifera</i>	1998	<i>Acta Sci. Nat. Univ. Sunyatseni</i> 37: 8	H—SYS	8	---
<i>C. canalis</i> subsp. <i>carinata</i> K.D. Hill	<i>C. canalis</i>	1994	<i>Telopea</i> 5(4): 699-700, fig. 4e-g	H—NSW	10	---
<i>C. celebica</i> Miq.	<i>C. rumphii</i>	1839	<i>Bull. Sci. Phys. Nat. Néerl.</i> 1839: 45	t. 20-21 in Rum-phius, <i>Herb. Amb.</i> , 1749	8	---
<i>C. chamberlainii</i> W.H. Brown & Kienholz	<i>C. riuminiana</i>	1925	<i>Philipp. J. Sci.</i> 26: 47-48, pls 1-2, fig. 1	H—NY	10	---
<i>C. circinalis</i> f. <i>glauca</i> (Miq.) J. Schust.	<i>C. glauca</i>	1932	<i>Pflanzenr.</i> 99: 66	?	11	---
<i>C. circinalis</i> f. <i>gothanii</i> J. Schust.	<i>nomen dubium</i>	1932	<i>Pflanzenr.</i> 99: 66	?	11	---
<i>C. circinalis</i> subsp. <i>madagascariensis</i> (Miq.) J. Schust.	<i>C. thouarsii</i>	1932	<i>Pflanzenr.</i> 99: 73	?	11	---
<i>C. circinalis</i> subsp. <i>madagascariensis</i> f. <i>trigonocarpoides</i> J. Schust.	<i>C. thouarsii</i>	1932	<i>Pflanzenr.</i> 99: 74	?	11	---
<i>C. circinalis</i> subsp. <i>papuana</i> (F. Muell.) J. Schust.	<i>C. papuana</i>	1932	<i>Pflanzenr.</i> 99: 70	?	11	---
<i>C. circinalis</i> subsp. <i>papuana</i> var. <i>scratchleyana</i> (F. Muell.) J. Schust.	<i>C. scratchleyana</i>	1932	<i>Pflanzenr.</i> 99: 70	?	11	---
<i>C. circinalis</i> subsp. <i>circinalis</i> forma <i>undulata</i> (Hort. ex Gaudich.) J. Schust.	<i>C. circinalis</i>	1932	<i>Pflanzenr.</i> 99: 66	?	11	---
<i>C. circinalis</i> subsp. <i>riuminiana</i> (Porte ex Regel) J. Schust.	<i>C. riuminiana</i>	1932	<i>Pflanzenr.</i> 99: 68	N—K	11	---
<i>C. circinalis</i> subsp. <i>riuminiana</i> var. <i>curranii</i> J. Schust.	<i>C. curranii</i>	1932	<i>Pflanzenr.</i> 99: 69	I—K, P	11	---
<i>C. circinalis</i> subsp. <i>riuminiana</i> var. <i>curranii</i> f. <i>chamberlainii</i> (W.H. Brown & Kienholz) J. Schust.	<i>C. riuminiana</i>	1932	<i>Pflanzenr.</i> 99: 69	I—NY, A, K, BM, L, P, US	11	---
<i>C. circinalis</i> subsp. <i>riuminiana</i> var. <i>curranii</i> f. <i>graminea</i> J. Schust.	<i>C. wadei</i>	1932	<i>Pflanzenr.</i> 99: 69	L—NY	11	---
<i>C. circinalis</i> subsp. <i>riuminiana</i> var. <i>curranii</i> f. <i>maritima</i> J. Schust.	<i>C. edentata</i>	1932	<i>Pflanzenr.</i> 99: 69	L—K	11	---
<i>C. circinalis</i> subsp. <i>seemannii</i> (A. Braun) J. Schust.	<i>C. seemannii</i>	1932	<i>Pflanzenr.</i> 99: 71, 73		11	---
<i>C. circinalis</i> subsp. <i>vera</i> var. <i>beddomei</i> (Dyer) J. Schust.	<i>C. beddomei</i>	1932	<i>Pflanzenr.</i> 99: 67	S—K	11	---
<i>C. circinalis</i> subsp. <i>vera</i> var. <i>pectinata</i> (Griff.) J. Schust.	<i>C. pectinata</i>	1932	<i>Pflanzenr.</i> 99: 68	N—K	11	---
<i>C. circinalis</i> subsp. <i>thouarsii</i> (Gaudich.) Engl.	<i>C. thouarsii</i>	1908	<i>Die Pflanzenwelt Afrikas</i>		11	---
<i>C. circinalis</i> var. <i>angustifolia</i> Miq.	<i>C. circinalis</i>	1840-41	<i>Comm. Phyt.</i> : 125-126	L—U	11	---
<i>C. circinalis</i> var. <i>javana</i> Miq.	<i>C. javana</i>	1842	<i>Monogr. Cycad.</i> :28. t. 1, figs t, u, t II, fig. E1	H—L	8	---
<i>C. circinalis</i> var. <i>orixensis</i> Haines	<i>C. spherica</i>	1924	<i>Bot. Bihar Orissa</i> 6: 1228	?	8	---
<i>C. circinalis</i> var. <i>swamyii</i> Pant	<i>nomen nudum</i> ~ <i>C. circinalis</i>	2002	<i>Intro. to Gymnosperms, Cycas and the Cycadales</i>	?	10	---
<i>C. crassipes</i> Hung T. Chang, Y.C. Zhong & Z.F. Lu	<i>C. sexseminifera</i>	1999	<i>Acta Sci. Nat. Univ. Sunyatseni</i> 38(3): 121-122	H—SYS	11	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>C. diannanensis</i> Z.T. Guan & G.D. Tao	<i>C. taiwaniana</i>	1995	<i>Sichuan Forestry & Design</i> 1995: 1	?H—I	6 (7)	---
<i>C. fairylakea</i> D. Yue Wang	<i>C. szechuanensis</i>	1996	<i>Cycads in China</i> : 54	H—SZG	6 (7) 11	---
<i>C. ferruginea</i> F.N. Wei	<i>C. miquelii</i>	1994	<i>Guihaia</i> 14: 300	H—IBK	6 (7)	---
<i>C. gracilis</i> Miq.	<i>C. media</i>	1863	<i>Versl. Meded. Afd. Natuurk. Kon. Acad. Wetensch. Ser. 1</i> , 15: 366-367	H—U	8	---
<i>C. gracilis</i> var. <i>glauca</i> Regel	<i>C. media</i>	1876	<i>Trudy Imp. S.-Petersburgsk. Bot. Sada</i> 4(4): 282	H—LE	4	---
<i>C. gracilis</i> var. <i>viridis</i> Regel	<i>C. media</i>	1876	<i>Trudy Imp. S.-Petersburgsk. Bot. Sada</i> 4(4): 282	L—LE	4	---
<i>C. guizhouensis</i> K.M. Lan & R.F. Zou	<i>C. szechuanensis</i>	1983	<i>Acta Phytotax. Sin.</i> 21(2): 209-210	H—PE	6 (7)	---
<i>C. hainanensis</i> subsp. <i>changjiangensis</i> (N.Liu) N. Liu	<i>C. changjiangensis</i>	2004	<i>Proc. Sixth Int. Conf. Cycad Biol.</i> : 3	H—IBSC	11	---
<i>C. hypoleuca</i> Presl	<i>nomen dubium</i>	1849	<i>Epimeliae Botanicae</i> : 238	?	8	---
<i>C. immersa</i> Craib	<i>C. siamensis</i>	1912	<i>Bull. Misc. Inform.</i> 1912: 434-435	H—K	8	---
<i>C. jenkinsiana</i> Griff.	<i>C. pectinata</i>	1854	<i>Not. Pl. Asiat.</i> 4: 9-10, pl. 360, figs 1-2, pl. 362, fig. 1	H—K	8	---
<i>C. kennedyana</i> F. Muell.	<i>C. media</i>	1882	<i>Australas. Chem. Drugg.</i> : 16	H—MEL	4 (5) 8	---
<i>C. kennedyana</i> F. Muell.	<i>C. media</i> subsp. <i>media</i>	1882	<i>Australas. Chem. Drugg.</i> : 16	H—MEL	6	---
<i>C. lingshuiensis</i> G.A. Fu	<i>C. hainanensis</i>	2004	<i>Bull. Bot. Res.</i> 24: 387-388	H—HFB	10	---
<i>C. litoralis</i> K.D. Hill	<i>C. edentata</i>	1999	<i>Brittonia</i> 51(1): 70-72, fig. 11	H—NSW	11	---
<i>C. longiconifera</i> H.T. Chang, Y.C. Zhong & Y.Y. Huang	<i>C. segmentifida</i>	1998	<i>Acta Sci. Nat. Univ. Sunyatseni</i> 37: 6	H—SYS	8	---
<i>C. longipetiolula</i> D. Yue Wang	<i>C. multipinnata</i>	1996	<i>Cycads in China</i> : 68	H—SZG	6 (11)	---
<i>C. longipetiolula</i> D. Yue Wang	<i>C. bifida</i> x <i>C. multipinnata</i> hybrid swarm	1996	<i>Cycads in China</i> : 68	H—SZG	11	---
<i>C. longisporophylla</i> F.N. Wei	<i>C. sexseminifera</i>	1997	<i>Guihaia</i> 17: 209	H—IBK	8	---
<i>C. longlinensis</i> H.T. Chang & Y.C. Zhong	<i>C. guizhouensis</i>	1997	<i>Acta Sci. Nat. Univ. Sunyatseni</i> 36: 68	H—SYS	8	---
<i>C. madagascariensis</i> Miq.	<i>C. thouarsii</i>	1840-41	<i>Comm. Phytog.</i> : 127	t. 2a-e in Petit-Thouars, <i>Hist Veg.</i> , 1804	8	---
<i>C. micholitzii</i> var. <i>simplicipinna</i> Smitinand	<i>C. simplicipinna</i>	1971	<i>Nat. Hist. Bull. Siam Soc.</i> 24: 164, figs. 2-3, 4f	L—BKF	8	---
<i>C. miquelii</i> Warb.	<i>C. revoluta</i>	1900	<i>Monsunia</i> 1: 179, 184	SYN—H. Amstel-od. U028127, U208129	8	---
<i>C. multifida</i> H.T. Chang & Y.C. Zhong	<i>C. segmentifida</i>	1997	<i>Acta Sci. Nat. Univ. Sunyatseni</i> 36: 70	H—SYS	8	---
<i>C. multifrondis</i> D. Yue Wang	<i>C. bifida</i> x ? <i>segmentifida</i>	1996	<i>Cycads in China</i> : 80	H—SZG	6 (7) 8 (11)	---
<i>C. multifrondis</i> D. Yue Wang	<i>C. bifida</i> x <i>C. dolichophylla</i> hybrid swarm	1996	<i>Cycads in China</i> : 80	H—SZG	11	---
<i>C. multiovula</i> D. Yue Wang	<i>C. guizhouensis</i>	1996	<i>Cycads in China</i> : 83	H—SZG	6 (7) 8	---
<i>C. neocaledonica</i> Linden	<i>nomen nudum</i> ~ <i>C. seemannii</i>	1881	<i>Ill. Hort.</i> 28: 32	?	8	---
<i>C. normanbyana</i> F. Muell.	<i>C. media</i>	1874	<i>Fragm.</i> 8: 169-171, <i>Icon.</i> 65-66	H—MEL	4 (5) 8	---
<i>C. normanbyana</i> F. Muell.	<i>C. media</i> subsp. <i>media</i>	1874	<i>Fragm.</i> 8: 169-171, <i>Icon.</i> 65-66	H—MEL	6	---
<i>C. palmatifida</i> H.T. Chang, Y.Y. Huang & Y.C. Zhong	<i>C. balansae</i>	1998	<i>Acta Sci. Nat. Univ. Sunyatseni</i> 37: 7	H—SYS	8	---
<i>C. parvulus</i> S.L. Yang	<i>C. szechuanensis</i>	1996	in D.Y. Wang, <i>Cycads in China</i> : 93	H—HWA	6 (8)	---
<i>C. parvulus</i> S.L. Yang	<i>C. diannanensis</i>	1996	in D.Y. Wang, <i>Cycads in China</i> : 93	H—HWA	8	---
<i>C. pectinata</i> var. <i>elongata</i> Leandri	<i>C. elongata</i>	1931	in Lecompte, <i>Fl. Indo-Chine</i> 5(10): 1091	L—P	8	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>C. pectinata</i> var. <i>manhaoensis</i> C.J. Chen & P. Yun	<i>C. diannanensis</i>	1995	<i>Acta Bot. Yunnan.</i> 17: 400	H—YUN	8	---
<i>C. pygmaea</i> Blume	<i>nomen dubium</i>	1848	<i>Rumphia</i> 4: 16	?	8	---
<i>C. revoluta</i> var. <i>brevifrons</i> Miq.	<i>C. revoluta</i>	1848	<i>Tijdschr. Wis-Natuurk. Wetensch. Eerste Kl. Kon. Ned. Inst. Wetensch.</i> 1: 207	apparently not preserved	11	---
<i>C. revoluta</i> var. <i>planifolia</i> Miq.	<i>C. revoluta</i>	1842	<i>Monogr. Cycad.</i> : 25–26	H—U	11	---
<i>C. revoluta</i> var. <i>prolifera</i> Siebold & Zucc.	<i>C. revoluta</i>	1846	<i>Abh. Math.-Physik. Cl. Konigl. Bayer. Akad. Wiss.</i> 14(3): 236	apparently not preserved	11	---
<i>C. revoluta</i> var. <i>robusta</i> Messeri	<i>C. revoluta</i>	1927	<i>Nuovo Giorn. Bot. Ital.</i> , n.s., 34: 324, 327	apparently not preserved	11	---
<i>C. rumphii</i> f. <i>undulata</i> (Desf. ex Gaudich.) Kaneh.	<i>C. circinalis</i>	1938	<i>J. Jap. Bot.</i> 14(9): 587		11	---
<i>C. rumphii</i> subsp. <i>zeylanica</i> J. Schust.	<i>C. zeylanica</i>	1932	<i>Pflanzenr.</i> 99: 75, figs. 10c-d, 11m		11	---
<i>C. rumphii</i> var. <i>bifida</i> Dyer	<i>C. multifrondis</i>	1902	<i>J. Linn. Soc. Bot.</i> 26: 560	H—K	8	---
<i>C. rumphii</i> var. <i>timorensis</i> Miq.	<i>C. glauca</i>	1840-41	<i>Comm. Phytolog.</i> : 125-126	H—L	8	---
<i>C. segmentifida</i> D.Yue Wang & C.Y. Deng	<i>C. szechuanensis</i>	1995	<i>Encephalartos</i> 43: 11-14	H—SZG	6 (7)	---
<i>C. septemsperma</i> H.T. Chang, Y.Y. Huang & H.X. Zheng	<i>C. sexseminifera</i>	1998	<i>Acta Sci. Nat. Univ. Sunyatseni</i> 37: 8	H—SYS	8	---
<i>C. sexseminifera</i> F.N. Wei	<i>C. sexseminifera</i>	1996	<i>Guihaia</i> 16: 1	H—IBK	6 (7)	---
<i>C. shiwandashanica</i> H.T. Chang & Y.C. Zhong	<i>C. balansae</i>	1995	<i>Chinese Bull. Bot.</i> 12: 12	H—SYS	6 (7) 8	---
<i>C. spiniformis</i> J.Y. Liang	<i>C. miquelii</i>	1997	in F.N. Wei, <i>Guihaia</i> 17: 211	H—IBK	8 (11)	---
<i>C. spiniformis</i> J.Y. Liang	<i>C. sexseminifera</i>	1997	in F.N. Wei, <i>Guihaia</i> 17: 211	H—IBK	11	---
<i>C. swamyii</i> Rita Singh & P. Radha	<i>nomen illeg. = C. indica</i>	2008	<i>Bot. J. Linn. Soc.</i> 158(3): 430-435	H—IPUH	11	---
<i>C. tanqingii</i> D.Y. Wang	<i>C. taiwaniana</i>	1996	<i>Cycads of China</i> : 134, fig. 4	H—SZG	6 (7)	---
<i>C. tonkinensis</i> (Linden & Rodigas) Rodigas	<i>nomen dubium</i>	1886	<i>Ill. Hort.</i> 33: 27	pl. 547 in <i>Ill. Hort.</i> 32, 1885	8	---
<i>C. truncata</i> de Laub.	<i>nomen illeg. = C. riuminiana</i>	2007	<i>Encephalartos</i> 92: 17	H—US	11	---
<i>C. undulata</i> Desf. ex Gaudich.	<i>C. circinalis</i>	1829	<i>Voy. Uranie, Bot.</i> : 434	H—P	6 (7) 8	---
<i>C. wallichii</i> Miq.	<i>C. circinalis</i>	1842	<i>Monogr. Cycad.</i> : 32	H—U	8	---
<i>C. xilingensis</i> H.T. Chang & Y.C. Zhong	<i>C. segmentifida</i>	1997	<i>Acta Sci. Nat. Univ. Sunyatseni</i> 36: 69	H—SYS	8	---
<i>DYEROCYCAS</i> Nakai	<i>CYCAS</i>	1943	<i>Ordines, familiae, tribi, et combinationes a Prof. Nakai-Takenosin adhuc novis edita</i> : 208	---	8	---
<i>D. micholitzii</i> (Dyer) Nakai	<i>C. micholitzii</i>	1943	<i>Ordines, familiae, tribi, et combinationes a Prof. Nakai-Takenosin adhuc novis edita</i> : 208	BAS	8	---
<i>EPICYCAS</i> de Laub.	<i>CYCAS</i>	1998	in De Laub. & Adema, <i>Blumea</i> 43: 388	---	8	---
<i>E. elongata</i> (Leandri) S.L. Yang	<i>C. elongata</i>	1998	in De Laub. & Adema, <i>Blumea</i> 43: 393	BAS	8	---
<i>E. lindstromii</i> (S.L. Yang, K.D. Hill & T. H. Nguyen) de Laub.	<i>C. lindstromii</i>	1998	in De Laub. & Adema, <i>Blumea</i> 43: 395	BAS	8	---
* <i>E. micholitzii</i> (Dyer) de Laub.	<i>C. micholitzii</i>	1998	in De Laub. & Adema, <i>Blumea</i> 43: 389	BAS	8	---
<i>E. miquelii</i> (Warb.) de Laub.	<i>C. revoluta</i>	1998	in De Laub. & Adema, <i>Blumea</i> 43: 393	BAS	8	---
<i>E. multipinnata</i> (Chen & Yang) de Laub.	<i>C. multipinnata</i>	1998	in De Laub. & Adema, <i>Blumea</i> 43: 391	BAS	8	---
<i>E. siamensis</i> (Miq.) de Laub.	<i>C. siamensis</i>	1998	in De Laub. & Adema, <i>Blumea</i> 43: 393	BAS	8	---
<i>E. tonkinensis</i> (Linden & Rodigas) de Laub.	<i>C. tonkinensis -nomen dubium</i>	1998	in De Laub. & Adema, <i>Blumea</i> 43: 391	BAS	8	---
DIOON Lindl. (14 species)	Honduras, Mexico	1843	<i>Edward's Bot. Reg.</i> 29: misc. 59-60	---	1, as <i>Dion</i> ; spelling corrected in 2	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>D. angustifolium</i> Miq.	Mexico (Nuevo Leon, Tamau-lipas)	1848	<i>Tijdschr. Wis-Natuurk. Wetensch. Eerste Kl. Kon. Ned. Inst. Wetensch.</i> 1: 37	L—K	7	DD
<i>D. argenteum</i> T.J. Greg, Chemnick, S. Salas-Mor. & Vovides	Mexico (Oaxaca)	2003	<i>Bot. J. Linn. Soc.</i> 141: 471-476	H—XAL	7	VU (as per authors)
<i>D. califanoi</i> De Luca & Sabato	Mexico (Puebla)	1979	<i>Brittonia</i> 31(1): 170-172	H—NAP	1	VU B1ab(i,ii,iv)+2ab(i,ii,iv)
<i>D. caputoi</i> De Luca, Sabato & Vázq. Torres	Mexico (Oaxaca, Puebla)	1980	<i>Brittonia</i> 32(1): 44-46	H—XALUV	1	CR A4acd; B1ab(iii,iv,v)
* <i>D. edule</i> Lindl.	Mexico (Hidalgo, Querétaro, Tamau-lipas, San Luis Potosi, Veracruz)	1843	<i>Edward's Bot. Reg.</i> 29: misc. 59-60	H—CGE	1	NT
var. <i>edule</i> †	---	---	---	---	2 (7)	---
var. <i>angustifolium</i> (Miquel) Miquel †	---	---	---	---	1 (7, elev. to sp.)	---
var. <i>imbricatum</i> (Miquel) Miquel †	---	1886	<i>Wiener Ill. Gart.-Zeitung</i> 11: 167	---	1 (2)	---
forma <i>lanuginosum</i> (Wittmack) Schuster †	---	---	---	---	1 (2)	---
var. <i>latipinna</i> Dyer †	---	---	---	---	1 (2)	---
<i>D. holmgrenii</i> De Luca, Sabato & Vázq. Torres	Mexico (Oaxaca)	1981	<i>Brittonia</i> 33(4): 552-554	H—XALUV	1	EN B1ab(iii,iv)+2ab(iii,iv)
<i>D. mejiae</i> Standl. & L.O. Williams	Honduras (Colón, Olancho, Yoro)	1951	<i>Ceiba</i> 1: 36-38	H—US	1	LC
<i>D. merolae</i> De Luca, Sabato & Vázq. Torres	Mexico (Chiapas, Oaxaca)	1981	<i>Brittonia</i> 33(2): 180-184	H—NAP	1	VU B1ab(iii-v)+2ab(iii-v); C1
<i>D. purpusii</i> Rose	Mexico (Oaxaca)	1909	<i>Contr. U.S. Natl. Herb.</i> 12(7): 260-261	H—US	1	VU B1ab(iii-v); C1
<i>D. rzedowskii</i> De Luca, A. Moretti, Sabato & Vázq. Torres	Mexico (Oaxaca)	1980	<i>Brittonia</i> 32(2): 225-229	H—XALUV	1	VU B1ab(i,iv)+2ab(i,iv)
<i>D. sonorensis</i> (De Luca, Sabato & Vázq. Torres) Chemnick, T.J. Greg. & S. Salas-Mor.	Mexico (Sinaloa, Sonora)	1997	<i>Phytologia</i> 83(1): 1-6 (issued 1998)	BAS	7	EN A2abe; C1
<i>D. spinulosum</i> Dyer & Eichler	Mexico (Oaxaca, Veracruz)	1883	<i>Gart. Zeit. Berlin.</i> 2: 411-413, fig. 80	H—K	1	VU A2acd
<i>D. stevensonii</i> Nicolalde-Morejón & Vovides	Mexico (Guerrero, Michoacán)	2009	<i>Systematics & Biodiversity</i> 7(1): 73-79	H—XAL	11	CR C2a(ii)
<i>D. tomasellii</i> De Luca, Sabato & Vázq. Torres	Mexico (Durango, Jalisco, Nayarit)	1984	<i>Brittonia</i> 36: 225-227	H—NAP	1	EN A2abd; B1ab(ii,iv,v)+2ab(ii,iv,v)
var. <i>tomasellii</i> De Luca, Sabato & Vázq. Torres †	---	1984	<i>Brittonia</i> 36: 226.	---	1 (3) 4 (7)	---
var. <i>sonorensis</i> De Luca, Sabato & Vázq. Torres †	---	1984	<i>Brittonia</i> 36: 226.	---	1 (3) 4 (7, elevated to species status)	---
Synonyms:	Synonymy:					
<i>D. aculeatum</i> Lem.	<i>D. angustifolium</i>	1846	in Lem., <i>Catalog. Vanhoutt.</i> 27: 45	?	8	---
<i>D. edule</i> f. <i>angustifolium</i> (Miq.) Miq.	<i>D. angustifolium</i>	1861	<i>Prodr. Syst. Cycad.</i> : 10, 22	BAS	8	---
<i>D. edule</i> subsp. <i>angustifolium</i> (Miq.) E. Murray	<i>D. angustifolium</i>	1983	<i>Kalmia</i> 13: 5	BAS	8	---
<i>D. edule</i> var. <i>angustifolium</i> (Miq.) Miq.	<i>D. angustifolium</i>	1868	<i>Arch. Néerl. Sci. Exact. Nat.</i> 3: 427	BAS	8	---
<i>D. edule</i> var. <i>lanuginosum</i> Wittmack	<i>D. edule</i>	1899	<i>Gartenflora</i> 48: 153	L—K	8	---
<i>D. edule</i> var. <i>latipinnium</i> Dyer	<i>D. mejiae</i>	1884	in Hemsl., <i>Biol. Cent.-Amer., Bot.</i> 3: 191, t. 81, figs 1-3	H—K	8	---
<i>D. edule</i> var. <i>sonorensis</i> (De Luca, Sabato & Vázq. Torres) R. McVaugh & Perez de la Rosa	<i>D. sonorensis</i>	1992	in R. McVaugh, <i>Fl. Novo-Galiciana</i> 17: 112	BAS	8	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>D. imbricatum</i> Miq.	<i>D. edule</i>	1848	<i>Tijdschr. Wis-Natuurk. Wetensch. Eerste Kl. Kon. Ned. Inst. Wetensch.</i> 1: 36	t. 4d-e in <i>Verh. Eerste Kl. Kon. Ned. Inst. Wetensch</i> 3, 1851	8	---
<i>D. strobilaceum</i> Lem. ex A. DC	<i>D. edule</i>	1868	<i>Prodr.</i> 16(2): 537	?	8	---
<i>D. tomasellii</i> var. <i>sonorensis</i> De Luca, Sabato & Vázq. Torres	<i>D. sonorensis</i>	1984	<i>Brittonia</i> 36: 226-227	H—NAP	8	---
<i>PLATYZAMIA</i> Zuccarini	<i>DIOON</i>	1845	<i>Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss.</i> 4: 23		8	---
<i>P. rigida</i> Zuccarini	<i>D. edule</i>	1845	<i>Abh. Math.-Phys. Cl. Königl. Bayer. Akad. Wiss.</i> 4: 23	H—M	8	---
ENCEPHALARTOS Lehm. (65 species)	Africa	1834	<i>Pugill.</i> 6: 14	---	1	---
<i>E. aemulans</i> Vorster	South Africa (kwaZulu-Natal)	1990	<i>S. African J. Bot.</i> 56(2): 239-243	H—PRE	3	CR A2acd; B1ab(v)+2ab(v); C1
<i>E. altensteinii</i> Lehm.	South Africa (E Cape)	1834	<i>Pugill.</i> 6: 11, t. 4-5	tt. 4-5	1	VU A2cd; B2ab(i-v)
<i>E. aplanatus</i> Vorster	Swaziland	1996	<i>S. African J. Bot.</i> 62: 57-60	H—PRE	7	VU A2acd; B1ab(i-v)+2ab(i-v); C1
<i>E. arenarius</i> R.A. Dyer	South Africa (E Cape)	1956	<i>J. S. African Bot.</i> 22(1): 1	H—PRE	1	EN A2acd; B1ab(ii-v)+2ab(ii-v); C1
<i>E. barteri</i> Carruth. ex Miq. subsp. <i>allochrous</i> L.E. Newton subsp. <i>barteri</i> †	Benin (Bergu), Ghana, Nigeria Nigeria (Plateau) ---	1868 1978 ---	<i>Arch. Néerl. Sci. Exact. Nat.</i> 3: 243 <i>J. Linn. Soc., Bot.</i> 77: 125-129 ---	I—K H—K ---	1 1 1 (7)	VU A2cd --- ---
<i>E. brevifoliolatus</i> Vorster	South Africa (Limpopo)	1996	<i>S. African J. Bot.</i> 62(1): 61-64	H—PRE	6	EW
<i>E. bubalinus</i> Melville	Kenya, Tanzania (Masai)	1957	<i>Kew Bull.</i> : 252	H—K	1	LC
* <i>E. caffer</i> (Thunb.) Lehm.	South Africa (E Cape)	1834	<i>Pugill.</i> 6: 14	BAS	1; made the "type" for the genus in 10	NT
<i>E. cerinus</i> Lavranos & D.L. Goode	South Africa (kwaZulu-Natal)	1989	<i>Durban Mus. Novit.</i> 14: 153-156	H—NH	2	CR A2acd; B1ab (i-v)+2ab(i-v); C2a(ii)
<i>E. chimanimaniensis</i> R.A. Dyer & I. Verd.	Mozambique, Zimbabwe	1969	<i>Kirkia</i> 7: 147-158	H—PRE	1	EN A2ad; B1ab (i,ii,iv,v)+2ab(i,ii,iv,v); C1
<i>E. concinnus</i> R.A. Dyer & I. Verd.	Zimbabwe (Mberwenga, Runde)	1969	<i>Kirkia</i> 7: 147-158	H—PRE	1	EN A2acd; B1ab (iii-v)+2ab(ii,iv,v); C1
<i>E. cupidus</i> R.A. Dyer	South Africa (Mpumalanga)	1971	<i>Bothalia</i> 10(2): 379-383	H—PRE	1	CR A2acd; B1ab(ii-v)+2ab(ii-v)
<i>E. cycadifolius</i> (Jacq.) Lehm.	South Africa (E Cape)	1834	<i>Pugill.</i> 6: 13	?	1 (3) 4	LC
<i>E. delucanus</i> Malaisse, Sclavo & Crosiers	Tanzania (Mapanda)	1992	<i>Ann. Gembloux</i> 98: 153	H—BR	4	VU B1ab(iii-v)+2ab(iii-v); C2a(i)
<i>E. dolomiticus</i> Lavranos & D.L. Goode	South Africa (Limpopo)	1988	<i>Bull. Jard. Bot. Belg.</i> 58: 219-224	H—NH	2	CR A2acd; B1ab (i,iii-v); C1
<i>E. dyerianus</i> Lavranos & D.L. Goode	South Africa (Limpopo)	1988	<i>Bull. Jard. Bot. Belg.</i> 58: 219-224	H—PRE	2	CR A2acd; B1ab(iii-v)+2ab(iii-v)
<i>E. equatorialis</i> P.J.H. Hurter	Uganda	1995	<i>S. African J. Bot.</i> 61(4): 226-229	H—PRE	6	CR B1ab(ii,iii,v)+2ab(ii,iii,v)
<i>E. eugene-maraisii</i> I. Verd.	South Africa (Limpopo)	1945	<i>J. S. African Bot.</i> 11(1): 1-3	H—PRE	1	EN A2acd; C1

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
subsp. <i>eugene-maraisii</i> L.E. Newton †	---	---	---	---	2 (3)	---
<i>E. ferox</i> Bertol. f.	Mozambique, South Africa (kwaZulu-Natal)	1851	<i>Mem. Reale Accad. Sci. Ist. Bologna</i> 3: 264	?	1	LC
<i>E. friderici-guilielmi</i> Lehm.	South Africa (E Cape, kwaZulu-Natal)	1834	<i>Pugill.</i> 6: 8, tt. 1-3	tt. 1-3	1; "type" species designation rem. 10	NT
<i>E. ghellinckii</i> Lem.	South Africa (E Cape, kwaZulu-Natal)	1867	<i>Ill. Hort.</i> 14, misc.: 80	?	1	VU C1
<i>E. gratus</i> Prain	Malawi, Mozambique	1916	<i>Bull. Misc. Inform.:</i> 181	L—K	1	VU A4cd
<i>E. heenanii</i> R.A. Dyer	South Africa (Mpumalanga), Swaziland	1972	<i>Bothalia</i> 10(4): 539-546	H—PRE	1	CR A2acde; B1ab (ii, iv, v)+2ab(ii, iv, v)
<i>E. hildebrandtii</i> A. Braun & C.D. Bouché	Kenya (Kilifi, Lamu), Tanzania (Lushoto, Tanga), Zanzibar Isl.	1874	<i>Ind. Sem. Hort. Berol.</i> 18	I—K	1	NT
var. <i>hildebrandtii</i> †	---	---	---	---	1 (3)	---
var. <i>dentatus</i> Melville †	---	---	---	---	1 (3)	---
<i>E. hirsutus</i> P.J.H. Hurter	South Africa (Limpopo)	1996	<i>S. African J. Bot.</i> 62(1): 46-48, fig. 1	H—PRE	6	CR A4acd; B1ab(iii-v)+2ab(iii-v)
<i>E. horridus</i> (Jacq.) Lehm.	South Africa (E Cape)	1834	<i>Pugill.</i> 6: 14	BAS	1	EN A4cd; B1ab (i, iii-v)
<i>E. humilis</i> I. Verd.	South Africa (Mpumalanga)	1951	<i>Bothalia</i> 6: 220-241, pl 3	?H—PRE	1	VU A2acd; C1
<i>E. inopinus</i> R.A. Dyer	South Africa (Limpopo)	1964	<i>Bothalia</i> 8(2): 169-170	H—PRE	1	CR A2acd; B1ab (i-v); C2a(i)
<i>E. ituriensis</i> Bamps & Lisowski	Dem. Rep. of Congo, Uganda	1990	<i>Mem. New York Bot. Gard.</i> 57: 152-155	H—BR	2	NT
<i>E. kisambo</i> Faden & Beentje	Kenya (Taita-Taveta)	1989	<i>Utafiti</i> 2: 7-10	H—K	3	EN A2cd; B1ab (ii-v)+2ab (ii-v)
<i>E. laevifolius</i> Stapf & Burtt Davy	South Africa (E Cape, kwaZulu-Natal, Limpopo, Mpumalanga), Swaziland	1926	<i>Fl. Transvaal & Sw.</i> 1: 40 & 99	H—K	1	CR A2acde; B2ab (i-v)
<i>E. lanatus</i> Stapf & Burtt Davy	South Africa (Mpumalanga)	1926	<i>Fl. Transvaal & Sw.</i> 1: 40, 90, fig. 4d	H—PRE	1	NT
<i>E. latifrons</i> Lehm.	South Africa (E Cape)	1837	<i>Tijdschr. Natuurl. Gesch. Physiol.</i> 4: 424, t. 9	L—t. 9	1	CR A2acd; C1+2a(i)
<i>E. laurentianus</i> De Wild.	Angola, Dem. Rep. of Congo	1903	<i>Etudes Fl. Bas et Moy – Congo</i> 1: 10, t. 25	H—BR	1	DD
<i>E. leomboensis</i> I. Verd.	Mozambique, South Africa (kwaZulu-Natal), Swaziland	1949	<i>Fl. Pl. Africa</i> 27: pls 1078-1079	H—PRE	1; applied to <i>E. sp.</i> "Piet Retiefii" in 6	EN A2acd; B1ab (ii-v)+2ab (ii-v)
<i>E. lehmannii</i> Lehm.	South Africa (E Cape)	1834	<i>Pugill.</i> 6: 14	?	1	NT
<i>E. longifolius</i> (Jacq.) Lehm.	South Africa (E Cape)	1834	<i>Pugill.</i> 6: 14	?	1	NT
<i>E. mackenziei</i> L.E. Newton	Sudan	2002	<i>Bot. J. Linn. Soc.</i> 140: 187-192, figs 1-6	H—EA	7	DD
<i>E. macrostrobilus</i> S. Jones & J. Wynants	N Uganda	1997	<i>Encephalartos</i> 50: 13-17, figs 1-2	H—BR	7	VU B1ab(iii-v); C2a(i)
<i>E. manikensis</i> (Gilliland) Gilliland	Mozambique (Manica), Zimbabwe	1939	<i>Proc. Rhodesia Sci. Assoc.</i> 37: 133-134	H—BM	1	VU A2acd
<i>E. marunguensis</i> Devred	Dem. Rep. of Congo (Shaba)	1958	<i>Bull. Soc. Roy. Bot. Belgique</i> 91: 104-110	H—BM	1	NT
<i>E. middelburgensis</i> Vorster	South Africa (Mpumalanga)	1989	<i>S. African J. Bot.</i> 55: 122-126	H—PRE	2	CR A2acd
<i>E. msinganus</i> Vorster	South Africa (kwaZulu-Natal)	1996	<i>S. African J. Bot.</i> 62(2): 67-70	H—PRE	7	CR A2acd; B1ab (ii, v); C1+2a(ii)
<i>E. munchii</i> R.A. Dyer & I. Verd.	Mozambique (Manica)	1969	<i>Kirkia</i> 7: 147-158	H—PRE	1	CR A2d; B1ab(ii, iv, v); C1+2a(i); D
<i>E. natalensis</i> R.A. Dyer & I. Verd.	South Africa (kwaZulu-Natal)	1951	<i>Bothalia</i> 6(1): 205-211, pls 1-3	H—PRE	1	NT
<i>E. ngoyanus</i> I. Verd.	South Africa (kwaZulu-Natal), Swaziland	1949	<i>Fl. Pl. Africa</i> 27: pls 1053-1054	?H—PRE	1	CR A2d; B1ab (ii, iv, v); C1+2a(i); D

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>E. nubimontanus</i> P.J.H. Hurter	South Africa (Limpopo)	1995	<i>Phytologia</i> 78(6): 409-410, fig. 1	H—PRE	6	EW
<i>E. paucidentatus</i> Stapf & Burtt Davy	South Africa (Mpumalanga), Swaziland	1926	<i>Fl. Transvaal & Sw.</i> 1: 40 & 99, fig. 4a	H—PRE	1	VU A2acd
<i>E. poggei</i> Asch.	Dem. Rep. of Congo (Bas-Katanga, Lualaba-Kasai)	1878	<i>Verh. Bot. Vereins Prov. Brandenburg</i> 20:35-36	?	1	LC
<i>E. princeps</i> R.A. Dyer	South Africa (E Cape)	1965	<i>J. S. African Bot.</i> 31(2): 111-112, pl. 19	H—PRE	1	VU A2acd; C1
<i>E. pterogonus</i> R.A. Dyer & I. Verd.	Mozambique (Manica)	1969	<i>Kirkia</i> 7: 147-158	H—PRE	1	CR A2cd; B1ab (ii, iv,v)+2ab(ii,iv,v); C1+2a(i); D
<i>E. relictus</i> P.J.H. Hurter	Swaziland	2001	<i>Bothalia</i> 31(2): 197-199	H—PRE	7	EW
<i>E. schajesii</i> Malaisse, Sclavo & Crosiers	Dem. Rep. of Congo (Shaba)	1993	<i>Bull. Jard. Bot. Belg.</i> 62: 215-219	H—BR	4	VU B1ab(i-v)+2ab (i-v)
<i>E. schmitzii</i> Malaisse	Dem. Rep. of Congo (Shaba), Zambia	1969	<i>Bull. Jard. Bot. Belg.</i> 39: 401-406	H—BR	1	NT
<i>E. sclavoi</i> De Luca, D.W. Stev. & A. Moretti	Tanzania (Tanga)	1989	<i>Delpinoa</i> 29-30: 3-5	H—K	2	VU B1ab(iii-v)C1
<i>E. senticosus</i> Vorster	South Africa (kwaZulu-Natal), Swaziland	1996	<i>S. African J. Bot</i> 62(2): 76-79	H—PRE	6, as <i>E. sentica</i> ; name applied to plants orig. named <i>E. lebomboensis</i> ; spell. corr. in 7	VU A2acd
<i>E. septentrionalis</i> Schweinf.	Sudan, Uganda	1871	<i>Bot. Zeitung Berlin</i> 29: 334	I—K	1	DD
<i>E. tegulaneus</i> Melville	Kenya	1957	<i>Kew Bull.</i> : 249	H—K	1	LC
subsp. <i>powysii</i> Mirungu & Beentje	Kenya	1999	<i>J. East African. Nat. Hist.</i> 88:35	H—EA	7	CR
<i>E. transvenosus</i> Stapf & Burtt Davy	South Africa (Limpopo)	1926	<i>Fl. Transvaal & Sw.</i> 1: 40 & 99, fig. 4b	H—PRE	1	LC
<i>E. trispinosus</i> (Hook.) R.A. Dyer	South Africa (E Cape)	1965	<i>J. S. African Bot.</i> 31(2): 112-116, pl. 20	BAS	1	VU A4cd; C1
<i>E. turneri</i> Lavranos & D.L. Goode	Mozambique (Nampula)	1985	<i>Garcia de Orta, Ser. Bot.</i> 7: 11-14	H—LISC	2	LC
<i>E. umbeluziensis</i> R.A. Dyer	Mozambique, Swaziland	1951	<i>Fl. Pl. Africa</i> 28: pl. 1100	H—PRE	1	VU A4cd; B1ab (i-v)+2ab (i-v); C1
<i>E. venetus</i> Vorster †	---	1996	<i>S. African J. Bot.</i> 62: 71	H—PRE	6 (7)	---
<i>E. villosus</i> Lem.	South Africa (E Cape, kwaZulu-Natal), Swaziland	1867	<i>Ill. Hort.</i> 14, misc.: 79; 15: t. 557	?	1	LC
<i>E. voiensis</i> Sclavo, Moretti & D.W. Stev. †	---	1989	<i>Ann. Missouri Bot. Gard.</i> 76: 935	H—K	2 (3)	---
<i>E. whitelockii</i> P.J.H. Hurter	Uganda	1995	<i>Phytologia</i> 78(6): 410-411, fig. 3	H—PRE	6	VU B1ab(iii,v)+2ab(iii,v); D2
<i>E. woodii</i> Sander	South Africa (kwaZulu-Natal)	1908	<i>Gard. Chron.</i> : 257	?	1	EW
Synonyms:	Synonymy:					
<i>Cycas caffra</i> Thunb.	<i>E. caffer</i> / <i>E. longifolius</i>	1775	<i>Nov. Acta Soc. Sc. Uppsala</i> 2: 286, t. 5	t. 5	8	---
<i>E. brachyphyllus</i> Lehm. & De Vriese	<i>E. caffer</i>	1838	in Hoeven & De Vriese, <i>Tijdschr. Natuurl. Gesch. Physiol.</i> 4: 414, tt. 6-7	?tt. 6-7	6 (7) 8	---
<i>E. eugene-maraisii</i> subsp. <i>middelburgensis</i> Lavranos & D.L. Goode	<i>E. middelburgensis</i>	1988	<i>Bull. Jard. Bot. Belg.</i> 58: 219-224	H—PRE	8	---
<i>E. eximius</i> I. Verd.	<i>E. cycadifolius</i>	1934	<i>Bothalia</i> 6: 426	H—PRE	6 (7) 8	---
<i>E. flavistrobilus</i> I. Turner & Sclavo	? <i>E. schmitzii</i>	2006	<i>Biotechnol. Agron. Soc. Environ.</i> 10(3): 181-183	H—BR	11	---
<i>E. graniticolus</i> Robbertse, Vorster & S. van der Westhuizen	<i>E. dyerianus</i>	1988	<i>S. African J. Bot.</i> 54: 363-366, figs 1-2	H—PRE	6 (7) 8	---
<i>E. hildebrandtii</i> var. <i>dentatus</i> Melville	? <i>E. hildebrandtii</i>	1957	<i>Kew Bull.</i> : 248	H—K	8	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>E. horridus</i> var. <i>trispinosus</i> Hook.	<i>E. trispinosus</i>	1863	<i>Bot. Mag.</i> 89: t. 5371	?t. 5371	8	---
<i>E. imbricans</i> Vorster	<i>E. equatorialis</i>	1995	<i>Novon</i> 5: 388, figs 2-5	H—PRE	6 (7) 8	---
<i>E. kanga</i> Pócs & Q. Luke	? <i>E. kisambo</i>	2007	<i>J. East Af. Nat. Hist.</i> 96(2): 193-201	H—NHT	11	---
<i>E. kosiensis</i> Hutch.	<i>E. ferox</i>	1932	<i>Bull. Misc. Inform.</i> : 512	?	6 (7) 8	---
<i>E. lanuginosus</i> (Jacq.) Lehm.	<i>E. longifolius</i>	1834	<i>Pugill.</i> 6: 14	BAS	6 (7) 8	---
<i>E. latifolius</i> Sweet	<i>Zamia latifolia</i> = <i>Z. muricata</i>	1839	<i>Hort. Brit.</i> ed. 3: 626	?	8	---
<i>E. lemarinellianus</i> De Wild. & Th. Dur.	<i>E. poggei</i>	1900	<i>Compt. Rend. Soc. Bot. Belg.</i> 39: 80	?	6 (7) 8	---
<i>E. marumii</i> De Vreise	<i>E. altensteinii</i>	1839	in Hoeven & De Vriese, <i>Tijdschr. Natuurl. Gesch. Physiol.</i> 5: 187	?	8	---
<i>E. mauritanus</i> Miq.	<i>E. longifolius</i>	1842	<i>Monogr. Cycad.</i> 48	?	8	---
<i>E. nanus</i> Lehm. in Hoeven & De Vriese	<i>E. horridus</i>	1837	<i>Tijdschr. Natuurl. Gesch. Physiol.</i> 4: 421, t. 8c	?t. 8C	6 (7) 8	---
<i>E. spinulosus</i> Lehm.	<i>E. lehmannii</i>	1837-38	in Hoeven & De Vriese, <i>Tijdschr. Natuurl. Gesch. Physiol.</i> 4: 419, t. 8c	?t. 8C	8	---
<i>E. striatus</i> Stapf & Burtt Davy	<i>nomen dubium</i>	1926	in Burtt-Davy, <i>Fl. Transvaal & Sw.</i> 1: 40 & 99	?	8	---
<i>E. successibus</i> Vorster	<i>E. whitelockii</i>	1995	<i>S. African J. Bot.</i> 61: 347	H—K	6 (7) 8	---
<i>E. tridentatus</i> (Willd.) Lehm.	<i>nomen dubium, Macrozamia</i> or <i>E. sp.</i>	1834	<i>Pugill.</i> 6: 13	?	8	---
<i>E. venetus</i> Vorster	<i>E. nubimontanus</i>	1996	<i>S. African J. Bot.</i> 62: 71	H—PRE	8	---
<i>E. verrucosus</i> Robbertse, Vorster & S. van der Westhuizen	<i>E. dolomiticus</i>	1988	<i>S. African J. Bot.</i> 54: 487-490, figs 1-3	H—PRE	6 (7) 8	---
<i>E. voiensis</i> A. Moretti, D.W. Stev. & J.P. Sclavo	<i>E. kisambo</i>	1989	<i>Ann. Missouri Bot. Gard.</i> 76: 935	H—K	8	---
<i>Zamia cycadifolia</i> Jacq.	<i>E. cycadifolius</i>	1801	<i>Fragm. Bot.</i> 1: 27, tt. 25-26	tt. 25-26	8 (11)	---
<i>Z. cycadis</i> L. f.	<i>E. caffer</i>	1782	<i>Suppl. Pl.</i> : 443	?	8 (11)	---
<i>Z. horrida</i> Jacq.	<i>E. horridus</i>	1801	<i>Fragm. Bot.</i> 1: 27, t. 28	t. 28	8 (11)	---
<i>Z. lanuginosa</i> Jacq.	<i>E. longifolius</i>	1801	<i>Fragm. Bot.</i> 1: 28, tt. 30-31	tt. 30-31	8 (11)	---
<i>Z. longifolia</i> Jacq.	<i>E. longifolius</i>	1801	<i>Fragm. Bot.</i> 1: 28, t. 29	t. 29	8 (11)	---
LEPIDOZAMIA Regel (2 species)	Australia	1857	<i>Bull. Soc. Imp. Naturalistes Moscou</i> 30: 182	---	1	---
<i>L. hopei</i> Regel	Australia (Qld)	1876	<i>Gartenflora</i> 25: 6	?	1	LC
* <i>L. peroffskyana</i> Regel	Australia (NSW, Qld)	1857	<i>Bull. Soc. Imp. Naturalistes Moscou</i> 30: 184	H—LE	1	LC
Synonyms:						
<i>CATAKIDOZAMIA</i> W. Hill	<i>LEPIDOZAMIA</i>	1865	in Hook., <i>Gard. Chron.</i> :1107	---	8	---
<i>C. hopei</i> W. Hill	<i>L. hopei</i>	1865	in Hook., <i>Gard. Chron.</i> : 1107	?	8	---
<i>Macrozamia denisonii</i> C. Moore & F. Muell.	<i>L. peroffskyana</i>	1858	in F. Muell., <i>Fragm.</i> 1: 41	L—MEL	8 (11)	---
<i>M. hopei</i> C. Moore	<i>L. hopei</i>	1883	<i>J. & Proc Roy. Soc. New South Wales</i> 17:16	BAS	8 (11)	---
<i>M. peroffskyana</i> (Regel) Miq.	<i>L. peroffskyana</i>	1868	<i>Arch. Néerl. Sci. Exact. Nat.</i> 3: 252	BAS	8 (11)	---
MACROZAMIA Miq. (41 species)	Australia	1842	<i>Monogr. Cycad.</i> : 35	---	1	---
<i>M. cardiacensis</i> P.I. Forst. & D.L. Jones	Australia (Qld)	1998	<i>Fl. Australia</i> 48: 717	H—BRI	6	LC
<i>M. communis</i> L.A.S. Johnson	Australia (NSW)	1959	<i>Proc. Linn. Soc. New South Wales</i> 84(1): 98	H—NSW	1	LC
<i>M. concinna</i> D.L. Jones	Australia (NSW)	1998	<i>Fl. Australia</i> 48: 718	H—BRI	6	LC
<i>M. conferta</i> D.L. Jones & P.I. Forst.	Australia (Qld)	1994	<i>Austrobaileya</i> 4(2): 271-273, fig. 1	H—BRI	5	EN A2ad
<i>M. cranei</i> D.L. Jones & P.I. Forst.	Australia (Qld)	1994	<i>Austrobaileya</i> 4(2): 273-275, fig. 2	H—BRI	5	VU D2
<i>M. crassifolia</i> P.I. Forst. & D.L. Jones	Australia (Qld)	1994	<i>Austrobaileya</i> 4(2): 275-276, fig. 3	H—BRI	5	VU D2

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>M. diplomera</i> (F. Muell.) L.A.S. Johnson	Australia (NSW)	1959	<i>Proc. Linn. Soc. New South Wales</i> 84(1): 98	L—MEL	1	LC
<i>M. douglasii</i> W. Hill ex F.M. Bailey	Australia (Qld)	1883	<i>Syn. Queensland Fl.</i> 500	?H—MEL	4	LC
<i>M. dyeri</i> (F. Muell.) C.A. Gardner	Australia (WA)	1930	<i>Enum. Pl. Austral. Occid.</i> 3	H—MEL	5	LC
<i>M. elegans</i> K.D. Hill & D.L. Jones	Australia (NSW)	1998	<i>Fl. Australia</i> 48: 718	H—NSW	6	EN A2ad
<i>M. fawcettii</i> C. Moore	Australia (NSW)	1884	<i>J. & Proc Roy. Soc New South Wales</i> 17:120	H—NSW	1	LC
<i>M. fearnsidei</i> D.L. Jones	Australia (Qld)	1991	<i>Austrobaileya</i> 3(3): 481	H—CANB	3	LC
<i>M. flexuosa</i> C. Moore	Australia (NSW)	1884	<i>J. & Proc Roy. Soc New South Wales</i> 17:121	H—NSW	4	EN A4c
<i>M. fraseri</i> Miq.	Australia (WA)	1842	<i>Monogr. Cycad.</i> : 37	?H—MEL	5	LC
<i>M. glaucophylla</i> D.L. Jones	Australia (NSW)	1998	<i>Fl. Australia</i> 48: 718	H—CANB	6	LC
<i>M. heteromera</i> C. Moore	Australia (NSW)	1884	<i>J. & Proc Roy. Soc New South Wales</i> 17:122	L—NSW	1	LC
<i>M. humilis</i> D.L. Jones	Australia (NSW)	1998	<i>Fl. Australia</i> 48: 719	H—CANB	6	VU D2
<i>M. johnsonii</i> D.L. Jones & K.D. Hill	Australia (NSW)	1992	<i>Telopea</i> 5(1): 31	H—CANB	4	LC
<i>M. lomandroides</i> D.L. Jones	Australia (Qld)	1991	<i>Austrobaileya</i> 3(3): 483	H—CANB	3	VU A2c
<i>M. longispina</i> P.I. Forst. & D.L. Jones	Australia (Qld)	1998	<i>Fl. Australia</i> 48: 717	H—BRI	6	LC
<i>M. lucida</i> L.A.S. Johnson	Australia (NSW, Qld)	1959	<i>Proc Linn. Soc. New South Wales</i> 84(1):102	H—NSW	1	LC
<i>M. macdonnellii</i> (F. Muell. ex Miq.) A. DC.	Australia (NT)	1868	<i>Prodr.</i> 16(2): 537	H—MEL	1	LC
<i>M. macleanyi</i> Miq.	Australia (Qld)	1868	<i>Arch. Néerl. Sci. Exact. Nat.</i> 3(5): 250	?H—U	7	NT
<i>M. machinii</i> P.I. Forst. & D.L. Jones	Australia (Qld)	1994	<i>Austrobaileya</i> 4(2): 276	H—BRI	5 (7) 10	NT
<i>M. miquelii</i> (F. Muell.) A. DC.	Australia (Qld)	1868	<i>Prodr.</i> 16(2): 535	L—MEL	1	LC
<i>M. montana</i> K.D. Hill	Australia (NSW)	1998	<i>Fl. Australia</i> 48: 717	H—NSW	6	LC
<i>M. moorei</i> F. Muell.	Australia (Qld)	1881	<i>Australas. Chem. Drugg.</i> 4: 84	?H—MEL	1	LC
<i>M. mountperriensis</i> F.M. Bailey	Australia (Qld)	1886	<i>Syn. Queensland Fl.</i> , suppl. 1, 50	N—CANB	3	LC
<i>M. occidua</i> D.L. Jones & P.I. Forst.	Australia (Qld)	1994	<i>Austrobaileya</i> 4(2): 278, fig. 5	H—BRI	5	VU D2
<i>M. parcifolia</i> P.I. Forst. & D.L. Jones	Australia (Qld)	1994	<i>Austrobaileya</i> 4(2): 279-281, fig. 6	H—BRI	5	VU C1; D2
<i>M. pauli-guilielmi</i> W. Hill & F. Muell.	Australia (Qld)	1859	<i>Fragm.</i> 1: 86	H—MEL	1 (3) 4	EN A2c
subsp. <i>pauli-guilielmi</i> †	---	1959	<i>Proceedings of the Linnean Society of New South Wales</i> 84	---	1; moved under <i>M. mountperriensis</i> in 3 (4, re-elev. to species status)	---
subsp. <i>flexuosa</i> (C. Moore) L.A.S. Johnson †	---	1959	<i>Proceedings of the Linnean Society of New South Wales</i> 84	---	1; moved under <i>M. mountperriensis</i> in 3 (4, elev. to species status)	---
subsp. <i>plurinervia</i> L.A.S. Johnson †	---	1959	<i>Proceedings of the Linnean Society of New South Wales</i> 84	---	1; moved under <i>M. mountperriensis</i> in 3 (4, elev. to species status)	---
<i>M. platyrhachis</i> F.M. Bailey	Australia (Qld)	1898	<i>Queensland Agric. J.</i> 3: 356	H—BRI	1 (2) 3	LC
<i>M. plurinervia</i> (L.A.S. Johnson) D.L. Jones	Australia (NSW, Qld)	1991	<i>Austrobaileya</i> 3(3): 484	H—NSW	4	NT
<i>M. polymorpha</i> D.L. Jones	Australia (NSW)	1998	<i>Fl. Australia</i> 48: 718	H—CANB	6	LC
<i>M. reducta</i> K.D. Hill & D.L. Jones	Australia (NSW)	1998	<i>Fl. Australia</i> 48: 718	H—NSW	6	LC
* <i>M. riedlei</i> (Gaudich.) C.A. Gardner	Australia (WA)	1930	<i>Enum. Pl. Austral. Occid.</i> 3	H—P	1	LC
<i>M. secunda</i> C. Moore	Australia (NSW)	1884	<i>J. & Proc Roy. Soc New South Wales</i> 17:122	L—MEL	1	VU A2c
<i>M. serpentina</i> D.L. Jones & P.I. Forst.	Australia (Qld)	2001	<i>Austrobaileya</i> 6(1): 90-92, figs 20-21	H—BRI	7	EN (as per author)
<i>M. spiralis</i> (Salisb.) Miq.	Australia (NSW)	1842	<i>Monogr. Cycad.</i> : 36	?	1	EN A2c
<i>M. stenomera</i> L.A.S. Johnson	Australia (NSW)	1959	<i>Proc Linn. Soc. New South Wales</i> 84(1):106	H—NSW	1	LC
<i>M. viridis</i> D.L. Jones & P.I. Forst.	Australia (Qld)	1994	<i>Austrobaileya</i> 4(2): 281-283, fig. 7	H—BRI	5	VU D2

Synonyms:

Synonymy:

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>M. corallipes</i> Hook. f.	<i>M. spiralis</i>	1872	<i>Bot. Mag</i> 98: sub t. 5943	t. 5943	8	---
<i>M. cylindrica</i> C. Moore	? <i>M. miquelii</i> or ? <i>M. johnsonii</i>	1884	<i>J. & Proc. Roy. Soc. New South Wales</i> 17: 119	H—NSW	8	---
<i>M. denisonii</i> C. Moore & F. Muell.	<i>Lepidozamia peroffskyana</i>	1858	<i>Fragm.</i> 1: 41	L—MEL	11	---
<i>M. hopei</i> C. Moore	<i>Lepidozamia hopei</i>	1883	<i>J. & Proc. Roy. Soc. New South Wales</i> 17: 116	BAS	11	---
<i>M. machinii</i> P.I. Forst. & D.L. Jones	<i>M. plurinervia</i>	1994	<i>Austrobaileya</i> 4(2): 276	H—BRI	8 (10)	---
<i>M. mackenziei</i> hort. ex Mast.	<i>M. miquelii</i>	1877	<i>Gard. Chron.</i> n.s. 7: 665 (as <i>M. mackenzii</i>)	H—BRI	8	---
<i>M. oldfieldii</i> (Miq.) A. DC.	<i>M. fraseri</i>	1868	<i>Prodr.</i> 16(2): 535	H—MEL	8	---
<i>M. pauli-guilielmi</i> subsp. <i>flexuosa</i> (C. Moore) L.A.S. Johnson	<i>M. flexuosa</i>	1959	<i>Proc. Linn. Soc. New South Wales</i> 84(1): 109	H—NSW	8	---
<i>M. pauli-guilielmi</i> subsp. <i>plurinervia</i> L.A.S. Johnson	<i>M. plurinervia</i>	1959	<i>Proc. Linn. Soc. New South Wales</i> 84(1): 108	H—NSW	8	---
<i>M. peroffskyana</i> (Regel) Miq.	<i>Lepidozamia peroffskyana</i>	1868	<i>Arch. Néerl. Sci. Exact. Nat.</i> 3: 252	BAS	11	---
<i>M. preissii</i> Lehm.	<i>M. fraseri</i>	1844	<i>Pugill.</i> 8: 31	?H—HBG	8	---
MICROCYCAS (Miq.) A. DC. (1 species)	Cuba	1868	<i>Prodr.</i> 16(2): 538	---	1	---
* <i>Microcycas calocoma</i> (Miq.) A. DC.	Cuba (Pinar del Río)	1868	<i>Prodr.</i> 16(2): 538	N—G-DC	1	CR B1ab(iii,iv,v)+ 2ab(iii,iv,v)
Synonym: <i>Zamia calocoma</i> Miq.	Synonymy: <i>Microcycas calocoma</i>	1852	in Van Houtte, <i>Fl. Serres</i> 7(6): 141	N—G-DC	8 (11)	---
STANGERIA T. Moore (1 species)	South Africa	1853	<i>Hook. Kew J.</i> 5: 228		1	---
* <i>Stangeria eriopus</i> (Kunze) Baill.	South Africa (E Cape, kwaZulu-Natal)	1892	<i>Hist. Pl.</i> 12: 68	?	1	NT
Synonyms: <i>Lomaria eriopus</i> Kunze <i>S. katzeri</i> Regel <i>S. paradoxa</i> T. Moore <i>S. schizodon</i> Bull	Synonymy: <i>S. eriopus</i> <i>S. eriopus</i> <i>S. eriopus</i> <i>S. eriopus</i>	1839 1874 1853 1872	<i>Linnaea</i> 13: 152 <i>Gartenflora</i> 23: 163, t. 798 <i>Hook. Kew J.</i> 5: 228 <i>Catalog</i> 72: 8	? H—LE ? ?H—K	8 8 8 8	--- --- --- ---
ZAMIA L. (69 species)	South, Central & North America	1763	<i>Sp. Pl.</i> ed. 2, 2: 1659	---	1	---
<i>Z. acuminata</i> Oers. ex Dyer	Costa Rica, Nicaragua, Panama (Coclé, Panamá)	1884	in Hemsl., <i>Biol. Cent.-Amer., Bot.</i> 3: 190- 195	H—C	1	NT
<i>Z. amazonia</i> D.W. Stev. †	---	1989	---	---	3 (7)	---
<i>Z. amazonum</i> D.W. Stev.	Brazil (Amazonas), Colombia, (Amazonas, Chocó, Vaupés), Ecua- dor (Morona-Santiago, Napo, Su- cumbíos), Peru (Loreto), S Venezuela	2001	<i>Fl. Colombia</i> 21: 33, fig. 3	H—INPA	7	NT
<i>Z. amblyphyllidia</i> D.W. Stev.	Cuba, Jamaica, Puerto Rico	1987	<i>Fairchild Trop. Gard. Bull.</i> 42(3): 26	H—NY	2	VU C1

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>Z. amplifolia</i> hort. Bull ex Mast.	Colombia (Valle del Cauca)	1878	<i>Gard. Chron.</i> ser 2, 10(261): 810	N—FTG	2	CR B1ab(i,iv)+2ab (i,iv)
<i>Z. angustifolia</i> Jacq.	Bahamas, Cuba	1789	<i>Collectanea</i> 3: 263, pl. 636	pl. 636	2	DD
<i>Z. atropurpurea</i> D.W. Stev. †	---	1997	<i>Brittonia</i> 49		6 (7)	---
<i>Z. biserrulata</i> D.W. Stev. & Sabato †	---	1997	<i>Brittonia</i> 49		6 (7)	---
<i>Z. boliviana</i> (Brongn.) A. DC.	N Bolivia, Brazil	1868	<i>Prodr.</i> 16(2): 540	L—P	1	NT
<i>Z. chigua</i> Seem.	Colombia (Choco, Valle del Cauca)	1854	<i>Bot. Voy. Herald</i> 6: 201-203, t. 43	t. 43	1	NT
<i>Z. crennophila</i> Vovides, Schutzman & Dehgan	Mexico (Tabasco)	1988	<i>Bot. Gaz.</i> 149: 351	H—MEXU	2	EN B1ab(i,ii,iv)+ 2ab(i,ii,iv); C1
<i>Z. cunaria</i> Dressler & D.W. Stev.	Panama (Colón, Panamá, San Blás)	1993	<i>Brittonia</i> 45(1): 5-6	H—NY	3	NT
<i>Z. cupatiensis</i> Ducke †	---	1922	<i>Arch. Jard. Bot. Rio de Janeiro</i> 3: 20, pl. 1	pl. 1	1 [4] (6)	---
<i>Z. decumbens</i> Calonje, Meerman, M.P. Griff. & Hoese	Belize (Cayo, Stann Creek, Toledo)	2009	<i>J. Bot. Res. Inst. Texas</i> 3(1): 31-41	H—BRH	11	CR B2ab (i-v)
<i>Z. disodon</i> D.W. Stev. & Sabato	Colombia (Antioquia)	2001	<i>Fl. Colombia</i> 21: 38-40, fig. 4	H—COL	7	CRA2abd; B1ab(i-iii)
<i>Z. dressleri</i> D.W. Stev.	Panama (Colón, San Blás)	1993	<i>Brittonia</i> 45(1): 6	H—NY	3	EN C1
<i>Z. elegantissima</i> Schutzman, Vovides, & R.S. Adams	Panama (Colón, Panamá)	1998	<i>Phytologia</i> 85(3): 137-145 (issued 2000)	H—MO	7	DD
<i>Z. encephalartoides</i> D.W. Stev.	Colombia (Santander)	2001	<i>Fl. Colombia</i> 21: 40-42, fig. 5	H—COL	6	VU A2acd; C1
<i>Z. fairchildiana</i> L.D. Gómez	Costa Rica, Panama (Chiriquí)	1982	<i>Phytologia</i> 50: 401-404	H—CR	1	NT
<i>Z. fischeri</i> Miq.	Mexico (Hidalgo, Querétaro, San Luis Potosí, Tamaulipas, Veracruz)	1845	in Lem., <i>Hort. Vanhoutt.</i> 1: 20	N—U	1; originally mis-applied to plants fitting descr. of <i>Z. vazquezii</i>	EN A2abd
<i>Z. furfuracea</i> L. f.	Mexico (Veracruz)	1789	in Aiton, <i>Hortus Kew.</i> 3: 477	pl. 210 in <i>Herm. Parad. Bat.</i> , 1698	1	VU A2acd
<i>Z. gentryi</i> Dodson	Ecuador (Carchi, Esmeraldas)	1998	<i>Novon</i> 8(1): 12-14, fig. 1a-f	H—QCNE	7	VU C1; D2
<i>Z. hamannii</i> A.S. Taylor, J.L. Haynes & Holzman	Panama (Bocas del Toro)	2008	<i>Bot. J. Linn. Soc.</i> 158(3): 399-429	H—PMA	11	CR B1ab(ii-v)+2ab (ii-v)
<i>Z. herrerae</i> Calderón & Standl.	El Salvador, Guatemala (Quetzaltenango Retalhuleu, Santa Rosa, Suchitepéquez), Mexico (Chiapas)	1924	<i>Proc. Wash. Acad. Sci.</i> 14(4): 93-99, fig. 1	H—US	2	VU C1
<i>Z. hymenophyllidia</i> D.W. Stev.	Colombia (Amazonas), Peru (Loreto)	2001	<i>Fl. Colombia</i> 21: 43-44, fig. 6	H—COAH	7	CR B1ab(i,ii,iv); C1
<i>Z. imperialis</i> A.S. Taylor, J.L. Haynes & Holzman	Panama (Coclé, Panamá, Veraguas)	2008	<i>Bot. J. Linn. Soc.</i> 158(3): 399-429	H—PMA	11	CR B2abc
<i>Z. inermis</i> Vovides, J.D. Rees & Vázq. Torres	Mexico (Veracruz)	1983	<i>Flora de Veracruz</i> 26: 22-24	H—XAL	1	CR A4abcd
<i>Z. integrifolia</i> L. f.	Bahamas, Cayman Islands, Cuba, USA (Florida, Georgia)	1789	in Aiton, <i>Hortus Kew.</i> 3: 477-479	H—BM	2	NT
<i>Z. ipetiensis</i> D.W. Stev.	Panama (Panamá, San Blás)	1993	<i>Brittonia</i> 45(1): 7-9	H—NY	3	VU B1ab(i,iv,v)+ 2ab(i,iv,v)
<i>Z. jirijimensis</i> R.E. Schultes †	---	1953	<i>Mutisia</i> 15: 2, fig. p. 5 s.n.	H—GH	1 [4] (6)	---
<i>Z. katzeriana</i> (Regel) E. Rettig	Mexico (Chiapas, Tabasco, Veracruz)	1896	<i>Gartenflora</i> 45: 148-149.	L—LE	11	EN
<i>Z. kickxii</i> Miq. †	---	1842	<i>Monogr. Cycad.</i> : 71, t. 8	H—U	7 (10)	DD
<i>Z. lacandona</i> Schutzman & Vovides	Mexico (Chiapas)	1998	<i>Novon</i> 8(4): 441-446, figs 1-3	H—FLAS	7	EN B1ab(i,iv,v)+ 2ab(i,iv,v); C1
<i>Z. lawsoniana</i> Dyer †	---	1884	in Hemsl., <i>Biol. Cent.-Amer., Bot.</i> 3: 195	H—OX	1 [4] (6)	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>Z. lecointei</i> Ducke	Brazil (Pará), Colombia (Antioquia, Amazonas), Peru (Loreto), Venezuela (Amazonas)	1915	<i>Arch. Jard. Bot. Rio de Janeiro</i> 1: 9-10, pls 1-2	H—MG	1	NT
<i>Z. lindenii</i> Regel ex Andre	Ecuador	1875	<i>Ill. Hort.</i> 22: 23, pl. 195	pl. 195	1 [4] (6) 11	DD
<i>Z. lindleyi</i> Warszewicz ex A. Dietrich	Panama (Bocas del Toro, Chiriqui)	1851	<i>Allg. Gartenzeitung</i> 19: 146, fig. s.n.	<i>cum icone s.n.</i> in <i>Allg. Gartenzeit.</i>	1 [4] (6) 11	DD
<i>Z. loddigesii</i> Miq.	Mexico (Chiapas, Hidalgo, Oaxaca, Tabasco, Tamaulipas, Veracruz)	1843	<i>Tijdschr. Natuurl. Gesch. Physiol.</i> 10: 72-73	?	1	NT
var. <i>angustifolia</i> (Regel) Schuster †	---	1932	<i>Pflanzenr (Engler) [Heft 99] 4, Fam</i> 1:148	---	1 (2)	---
var. <i>cycadifolia</i> (Dyer) Schuster †	---	1932	<i>Pflanzenr (Engler) [Heft 99] 4, Fam</i> 1:148	---	1 (2)	---
var. <i>latifolia</i> (Loddiges ex Miquel) Schuster †	---	1932	<i>Pflanzenr (Engler) [Heft 99] 4, Fam</i> 1:147	---	1 (2)	---
var. <i>leiboldii</i> (Miquel) A. De Candolle †	---	1868	<i>Prodr. (DC.)</i> 16(2): 541.	---	1 (2)	---
var. <i>longifolia</i> Schuster †	---	1932	<i>Pflanzenr (Engler) [Heft 99] 4, Fam</i> 1:147	---	1 (2)	---
var. <i>spartea</i> (A. De Candolle) Schuster †	---	1932	<i>Pflanzenr (Engler) [Heft 99] 4, Fam</i> 1:148	---	1 (2)	---
<i>Z. lucayana</i> Britton	Bahamas	1907	<i>Bull. New York Bot. Gard.</i> 5:18): 311-318	H—NY	7 (9) 11	NT
<i>Z. macrochiera</i> D.W. Stev.	Peru (Loreto)	2004	<i>Cycad Classification: Concepts & Recommendations</i> : 185-186, fig. 14.7	H—NY	6	CR A2abd; B1ab (i,iv,v); C1
<i>Z. madida</i> R.E. Schultes †	---	1958	<i>Bot. Mus. Leaflet</i> . 18: 114, pl. 18	H—GH	1 (2)	---
<i>Z. manicata</i> Linden ex Regel	Colombia (Antioquia, Chocó), Panama (Darién)	1876	<i>Trudy Imp. S.-Petersburgsk. Bot. Sada</i> 4: 310, t. 926, fig.e	t. 926, fig. e	2	NT
<i>Z. meermanii</i> Calonje	Belize (Belize, Cayo)	2009	<i>J. Bot. Res. Inst. Texas</i> 3(1): 23-29	H—BRH	11	EN A1ab(i-iv)+2ab (i-iv)
<i>Z. melanorrhachis</i> D.W. Stev.	Colombia (Amazonas, Córdoba, Meta, Santander)	2001	<i>Fl. Colombia</i> 21: 55, fig. 11	H—COL	7	EN A2cd; C1
<i>Z. montana</i> A. Braun	Colombia (Antioquia)	1875	<i>Monatsber. Königl. Preuss. Akad. Wiss. Berlin</i> : 376	N—NY	1	CR A2abd; B1ab (i,iv,v); C1
<i>Z. monticola</i> Chamb.	Guatemala	1926	<i>Bot. Gaz.</i> 81: 219, 223, figs 1-3	H—MO	1 [4] 6	CR C2a(ii)
<i>Z. muricata</i> Willd.	Colombia (Boyacá, LaGuajira, Me-ta, Santander), Venezuela (Guarico)	1806	<i>Sp. Pl.</i> ed. 4, 4: 847-848	H—B-W	1	NT
var. <i>picta</i> Van Houtte †	---	---	---	---	1 (2)	---
<i>Z. nesophila</i> A.S. Taylor, J.L. Haynes & Holzman	Panama (Bocas del Toro)	2008	<i>Bot. J. Linn. Soc.</i> 158(3): 399-429	H—PMA	11	CR B1ab(i-v)+2ab(i-v)
<i>Z. neurophyllidia</i> D.W. Stev.	Costa Rica, S Nicaragua, Panama (Bocas del Toro)	1993	<i>Brittonia</i> 45(1): 10, fig. 5	H—PMA	4	VU A3c
<i>Z. obidensis</i> Ducke †	---	1922	<i>Arch. Jard. Bot. Rio de Janeiro</i> 3: 19	H—MG	1 [4] (6)	---
<i>Z. obliqua</i> A. Braun	Colombia (Antioquia, Chocó, Valle del Cauca), Panama (Darién, Panamá)	1875	<i>Monatsber. Königl. Preuss. Akad. Wiss. Berlin</i> : 376	N—BM	1	NT
<i>Z. oligodonta</i> E. Calderón-Sáenz & D.W. Stev.	Colombia (Risaralda)	2003	<i>Rev. Acad. Colomb. Cienc.</i> 27: 485-490	H—FMB	8	---
<i>Z. onanreyesii</i> C. Nelson & G.G. Sandoval	Honduras (Cortés)	2008	<i>Ceiba</i> 49(1): 135-136	H—TEFH	11	CR B1a+2a
<i>Z. oreillyi</i> C. Nelson	Honduras (Atlántida)	2006	<i>Ceiba</i> 46(1): 41-44	H—TEFH	11	VU
<i>Z. paucijuga</i> Wieland	Mexico (Chiapas, Colima, Guerrero, Jalisco, Michoacán, Nayarit, Oaxaca)	1916	<i>American Fossil Cycads</i> 2: 212, fig. 86	fig. 86	1	NT
<i>Z. picta</i> Dyer †	---	1884	in Hemsl., <i>Biol. Cent.-Amer., Bot.</i> 3: 194	H—U	2 [4] (6) 7 (9)	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>Z. poeppigiana</i> Mart. & Eichler	Brazil, Colombia (Antioquia, Huila, Meta, Tolima), Ecuador (Azuay, Bolivar, Chimborazo, El Oro, Esmeraldas, Guayas, Los Ríos, Manabi, Pichincha), Peru (Loreto, Madre de Dios, San Martin, Tumbes)	1863	<i>Fl. Bras.</i> 4(1): 414-416, pls 108-109	L—F	1	NT
<i>Z. polymorpha</i> D.W. Stev., A. Moretti & Vázq. Torres	Belize (Belize, Cayo, Orange Walk, Stann Creek, Toledo), Guatemala (Petén), Mexico (Campeche, Quintana Roo, Yucatán)	1995-96	<i>Delpinoia</i> n.s. 37-38: 3-8 (issued 1998)	H—NY	3	NT
<i>Z. portoricensis</i> Urban	W Puerto Rico	1899	<i>Symb. Antill.</i> 1: 291	I—NY	2	CR B1ab(iii,v)+2ab (iii,v)
<i>Z. prasina</i> W. Bull	Belize	1881	<i>Retail List: 20</i>	H—K	7	CR A2abd; B1ab (ii-v); C1
<i>Z. pseudomonticola</i> L.D. Gómez	Costa Rica (Puntarenas), Panama (Chiriquí)	1982	<i>Phytologia</i> 50(6): 401-404	H—CR	1	NT
<i>Z. pseudoparasitica</i> Yates in Seem.	Panama (Bocas del Toro, Coclé, Colón, Veraguas)	1854	<i>Bot. Voy. Herald</i> 6: 201-203, 253	H—BM	1	NT
var. <i>latifolia</i> Schuster †	---	1932	<i>Pflanzenr (Engler) [Heft 99] 4, Fam</i> 1:142	---	1 (2)	---
* <i>Z. pumila</i> L.	Cuba, Dominican Republic, Puerto Rico	1763	<i>Sp. Pl.</i> ed. 2, 2: 1659	t. 58 in <i>Horti Med Amstelod</i> 1, 1697	1	NT
subsp. <i>pygmaea</i> (Sims) Eckenwalder †	---	1981	<i>J. Arnold Arbor.</i> 61: 719.	---	1 (2)	---
<i>Z. purpurea</i> Vovides, J.D. Rees & Vázq. Torres	Mexico (Oaxaca, Veracruz)	1983	<i>Flora de Veracruz</i> 26: 28-31	H—XAL	1	EN A4abcd; C1
<i>Z. pygmaea</i> Sims	Cuba (W Cuba, Isla de la Juventud)	1815	<i>Bot. Mag.</i> 43: t.1741	H—BM	2	DD
<i>Z. regeliana</i> D.W. Stev. †	---	1990	---	---	3 (4)	---
<i>Z. restrepoi</i> (D.W. Stev.) A. Lindstr.	Colombia (Cordoba)	2008	<i>Mem. New York Bot. Gard.</i> 57: 169-172	H—HUA	11	CR A2acd; C1
<i>Z. roezlii</i> Linden	Colombia (Amazonas, Choco, Nariño, Valle del Cauca), Ecuador (Esmeraldas, Imbabura)	1873	<i>Catalogue des Plantes Nouvelles</i> 9: 10	pl. 133-134 in <i>Ill. Hort.</i> 20, 1873	2	NT
<i>Z. sandovalii</i> C. Nelson	Honduras (Atlántida)	2006	<i>Ceiba</i> 46(1): 41-44	H—TEFH	11	EN B1b(iii-v)+1c(iii)
<i>Z. skinneri</i> Warsz. ex A. Dietrich	Panama (Bocas del Toro)	1851	<i>Allg. Gartenzeitung</i> 19: 146, fig. <i>s.n.</i>	fig. <i>s.n.</i>	1	NT
<i>Z. soconuscensis</i> Schutzman, Vovides & Dehgan	Mexico (Chiapas)	1988	<i>Bot. Gaz.</i> 149(3): 347-351	H—F	2	VU C1
<i>Z. sparteae</i> A. DC.	Mexico (Oaxaca)	1868	<i>Prodr.</i> 16(2): 539	H—G-DC	2	CR A2abd
<i>Z. splendens</i> Schutzman †	---	1984	<i>Phytologia</i> 55: 299-303	H—FTG	1 (7)	---
<i>Z. standleyi</i> Schutzman	Guatemala (Izabal), Honduras (Atlántida, Colón, Cortes, Olancho, Santa Barbara, Yoro)	1989	<i>Syst. Bot.</i> 14(2): 214-219	H—FLAS	3	VU C1
<i>Z. stricta</i> Miq.	Cuba (Oriente)	1851	<i>Verh. Nederl. Inst.</i> 3(4): 183	H—U	10	EN
<i>Z. sylvatica</i> Chamberlain †	---	1926	<i>Bot. Gaz.</i> 81: 223, 225	L—NY	1S [4] (6)	---
<i>Z. tuerckheimii</i> Donn. Sm.	Guatemala (Alta Verapaz)	1903	<i>Bot. Gaz. (Crawfordsville)</i> 35(1): 8, pl. 1	H—US	1	NT
<i>Z. ulei</i> U. Dammer	W Brazil, Colombia (Amazonas, Guainía), Ecuador (Napo, Pastaza), Peru (Loreto, Madre de Dios)	1907	<i>Verh. Bot. Vereins Prov. Brandenburg</i> 47: 117-118	L—HBG	1	NT
<i>Z. urep</i> B. Walln.	Peru (Huánuco)	1996	<i>Linz. Biol. Beitr.</i> 28(2): 1056	H—W	7	CR B1ab(i,ii,iv)+2ab(i,ii,iv)
<i>Z. variegata</i> Warsz.	Guatemala (Alta Verapaz, Izabal), Mexico (Chiapas)	1845	<i>Allg. Gartenzeitung</i> 32: 252-253	N—NY	2	EN B1ab(i,iii-v)+2ab (i,iii-v); C1

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>Z. vazquezii</i> D.W. Stev., Sabato, A. Moretti & De Luca	Mexico (Veracruz)	1995-96	<i>Delpinoa</i> n.s. 37-38: 9-17 (issued 1998)	H—NY	3, as <i>Z. vazquezii</i> ; spelling corr. in 4; mistakenly named <i>Z. fischeri</i>	CR B1ab(i,ii,iv)+2ab(i,ii,iv)
<i>Z. verschaffeltii</i> Miq. †	---	1870	<i>Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk.</i> 2(4): 31	H—U	1 [4] (6) 7 (11)	---
forma <i>latifolia</i> Schuster †	---	1932	<i>Pflanzenr (Engler) [Heft 99] 4, Fam.1:138</i>	---	1 (2)	---
forma <i>verschaffeltii</i> †	---	---	---	---	1 (2)	---
<i>Z. wallisii</i> A. Braun	Colombia (Antioquia)	1875	<i>Monatsber. Königl. Preuss. Akad. Wiss. Berlin:</i> 376	N—NY	1	CR A2abd; C1
<i>Z. wielandii</i> Schuster †	---	1932	<i>Pflanzenr (Engler) [Heft 99] 4, Fam 1:149</i>	---	1 (2)	---
Synonyms:	Synonymy:					
<i>AULACOPHYLLUM</i> Regel	<i>ZAMIA</i>	1876	<i>Gartenflora</i> 25: 141	---	8	---
<i>A. lindeni</i> (Regel ex André) Regel	<i>Z. poeppigiana</i>	1876	<i>Gartenflora</i> 25: 141	BAS	8	---
<i>A. montanum</i> (A. Braun) Regel	<i>Z. montana</i>	1876	<i>Gartenflora</i> 25: 141	BAS	8	---
<i>A. ortgiesi</i> Regel	<i>Z. chigua</i>	1876	<i>Gartenflora</i> 25: 141	H—LE	8	---
<i>A. roezli</i> (Linden) Regel	<i>Z. roezlii</i>	1876	<i>Gartenflora</i> 25: 141	BAS	8	---
* <i>A. skinneri</i> (Warsz. ex A. Dietrich) Regel	<i>Z. skinneri</i>	1876	<i>Gartenflora</i> 25: 143	BAS	8	---
<i>A. wallisii</i> (hort. Veitch ex A. Braun) Regel	<i>Z. wallisii</i>	1876	<i>Gartenflora</i> 25: 143	BAS	8	---
<i>Ceratozamia boliviana</i> Brongn.	<i>Z. boliviana</i>	1846	<i>Ann. Sci. Nat. Ser. 3, 5: 9</i>	BAS	8 (11)	---
<i>C. katzieriana</i> Regel	<i>Z. verschaffeltii</i>	1876	<i>Gartenflora</i> 25: 261	L—LE	8 (11)	---
<i>Chigua bernalii</i> D.W.Stev.	<i>Z. restrepoi</i>	1990	<i>Mem. New York Bot. Gard.</i> 57: 169-172	H—COL	11	---
<i>Chigua restrepoi</i> D.W.Stev.	<i>Z. restrepoi</i>	1990	<i>Mem. New York Bot. Gard.</i> 57: 169-172	H—HUA	11	---
<i>Z. allison-armourii</i> Millsp.	<i>Z. pumila</i>	1900	<i>Publ. Field Columbian Mus. Bot. Ser. 2:23</i>	H—F	8	---
<i>Z. angustissima</i> Miq.	<i>Z. angustifolia</i>	1851	<i>Verh. Nederl. Inst.</i> 3(4): 184	H—U	8	---
<i>Z. baraquiniana</i> hort. ex Regel	<i>Z. poeppigiana</i>	1876	<i>Trudy Imp. S.-Petersburgsk. Bot. Sada</i> 4: 7	H—LE	8	---
<i>Z. bussellii</i> Schutzman, R.S. Adams, J.L.Haynes & Whitelock	<i>Z. onanreyesii</i>	2008	<i>The Cycad Newsletter</i> 31(2/3): 22-26	H—FLAS	11	---
<i>Z. calocoma</i> Miq.	<i>Microcycas calocoma</i>	1852	<i>Fl. Serres</i> 7(6): 141	N—G-DC	11	---
<i>Z. chamberlainii</i> J. Schust.	<i>Z. pygmaea</i>	1932	in Engl., <i>Pflanzenr.</i> 4(1): 153	?	8	---
<i>Z. cupatiensis</i> Ducke	<i>Z. ulei</i>	1922	<i>Arch. Jard. Bot. Rio de Janeiro</i> 3: 20, pl. 1	pl. 1	[4] 8	---
<i>Z. cycadifolia</i> Dyer	<i>Z. loddigesii</i>	1884	in Hemsl., <i>Biol. Cent.-Amer., Bot.</i> 3: 195	H—C	8	---
<i>Z. cycadifolia</i> Jacq.	<i>Encephalartos cycadifolius</i>	1801	<i>Fragm. Bot.</i> 1: 27, tt. 25-26	tt. 25-26	11	---
<i>Z. cycadis</i> L. f.	<i>Encephalartos caffer</i>	1782	<i>Suppl. Pl.:</i> 443	?	11	---
<i>Z. debilis</i> L. f.	<i>Z. pumila</i>	1789	in Aiton, <i>Hortus Kew.</i> ed. 1, 3: 478	t. 58 in <i>Horti Med Amstelod</i> 1, 1697	8	---
<i>Z. dentata</i> Voigt	? <i>Z. integrifolia</i>	1828	<i>Syll. Ratisb.</i> 2: 53	?	8	---
<i>Z. erosa</i> Cook & Collins	<i>Z. integrifolia</i>	1903	<i>Contr. U. S. Natl. Herb.</i> 8: 267	L—NY	8	---
<i>Z. floridana</i> A. DC.	<i>Z. integrifolia</i>	1868	<i>Prodr.</i> 16(2): 544	H—G-DC	8	---
<i>Z. furfuracea</i> var. <i>trewii</i> A. DC	<i>Z. furfuracea</i>	1868	<i>Prodr.</i> 16(2): 541	H—G	8	---
<i>Z. galeotti</i> De Vriese	<i>Z. loddigesii</i>	1845	in Hoeven & De Vriese, <i>Tijdschr. Natuurl. Gesch. Physiol.</i> 12: 24	?	8	---
<i>Z. guggenheimiana</i> Carabia	<i>Z. angustifolia</i>	1941	<i>Caribbean Forest.</i> 2: 89	H—NY	8	---
<i>Z. gutierrezii</i> Sauv.	<i>Z. muricata</i>	1868	<i>Anal. Acad. Cienc. Nat. Haban.</i> (reimp. 2)	H—HAC	8	---
<i>Z. horrida</i> Jacq.	<i>Encephalartos horridus</i>	1801	<i>Fragm. Bot.</i> 1: 27, t. 28	t. 28	11	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>Z. humilis</i> Salisb.	<i>Z. pumila</i>	1796	<i>Prodr. Stirp.</i> : 400	?	8	---
<i>Z. jirijimensis</i> R.E. Schult.	<i>Z. lecointei</i>	1953	<i>Mutisia</i> 15: 2, fig. p. 5 <i>s.n.</i>	H—GH	[4] 8	---
<i>Z. katzeriana</i> (Regel) Rettig	<i>Z. verschaffeltii</i>	1896	<i>Gartenflora</i> 45: 148-149	BAS	8 (11)	---
<i>Z. kickxii</i> Miq.	<i>Z. pygmaea</i>	1842	<i>Monogr. Cycad.</i> : 71, t. 8	H—U	10	---
<i>Z. laeta</i> Salisb.	<i>nomen dubium</i>	1796	<i>Prodr. Stirp.</i> 400	?	8	---
<i>Z. lanuginosa</i> Jacq.	<i>Encephalartos longifolius</i>	1801	<i>Fragm. Bot.</i> 1: 28, tt. 30-31	tt. 30-31	11	---
<i>Z. latifolia</i> Lodd. ex Miq.	<i>Z. muricata</i>	1849	<i>Tijdschr. Wis-Natuurk. Wetensch. Eerste Kl. Kon. Ned. Inst. Wetensch.</i> 2: 298	t. 7, fig. a in <i>Linnaea</i> 19, 1847	8	---
<i>Z. latifoliolata</i> Prenl.	<i>Z. pumila</i>	1872	<i>Bull. Soc. Vaud. Sci. Nat.</i> 11: 278	H—LAU	8	---
<i>Z. lawsoniana</i> Dyer	<i>Z. loddigesii</i>	1884	in Hemsl., <i>Biol. Cent.-Amer., Bot.</i> 3: 195	H—OX	[4] 8	---
<i>Z. leiboldii</i> Miq.	<i>Z. loddigesii</i>	1847	<i>Linnaea</i> 19: 425	H—U	8	---
<i>Z. leiboldii</i> var. <i>angustifolia</i>	<i>Z. loddigesii</i>	1876	<i>Trudy Imp. S.-Petersburgsk. Bot. Sada</i> 4: 307.	N—NY	11	---
<i>Z. leiboldii</i> var. <i>latifolia</i> Regel	<i>Z. loddigesii</i>	1876	<i>Trudy Imp. S.-Petersburgsk. Bot. Sada</i> 4:307	H—LE	8	---
<i>Z. lindenii</i> Regel ex André	<i>Z. poeppigiana</i>	1875	<i>Ill. Hort.</i> 22: 23, pl. 195	pl. 195	[4] 8 (11)	---
<i>Z. lindleyi</i> Warsz. ex A. Dietrich	<i>nomen dubium</i>	1851	<i>Allg. Gartenzeitung</i> 19: 146, fig. <i>s.n.</i>	fig. <i>s.n.</i>	[4] 8 (11)	---
<i>Z. loddigesii</i> var. <i>angustifolia</i> Regel	<i>Z. loddigesii</i>	1857	<i>Bull. Soc. Imp. Naturalistes Moscou</i> 30: 190	H—LE	8	---
<i>Z. loddigesii</i> var. <i>longifolia</i> J. Schust.	<i>Z. loddigesii</i>	1932	in Engl., <i>Pflanzenr.</i> 4(1): 147	L—LE	8	---
<i>Z. loddigesii</i> var. <i>obtusifolia</i> Regel	<i>Z. loddigesii</i>	1857	<i>Bull. Soc. Imp. Naturalistes Moscou</i> 30: 190	t. 186, figs 27-28 in <i>Gartenflora</i> 6, 1857	8	---
<i>Z. longifolia</i> Jacq.	<i>Encephalartos longifolius</i>	1801	<i>Fragm. Bot.</i> 1: 28, t. 29	t. 29	11	---
<i>Z. lucayana</i> Britton	<i>Z. integrifolia</i>	1907	<i>Bull. New York Bot. Gard.</i> 5(18): 311-318	H—NY	9	---
<i>Z. madida</i> R.E. Schult.	<i>Z. manicata</i>	1958	<i>Bot. Mus. Leaflet.</i> 18: 114, pl. 18	H—GH	8	---
<i>Z. maeleni</i> Miq.	<i>Dioon edule</i>	1844	<i>Linnaea</i> 18(1): 96-98	H—U	11	---
<i>Z. media</i> Jacq.	<i>Z. integrifolia</i>	1798	<i>Hort. Schoenb.</i> 3: 77, tt. 397, 398	t. 398	8	---
<i>Z. mexicana</i> Miq.	<i>Z. loddigesii</i>	1861	<i>Prodr. Syst. Cycad.</i> : 13, 26	H—U	8	---
<i>Z. monticola</i> Chamb.	<i>Z. muricata</i>	1926	<i>Bot. Gaz.</i> 81: 219, 223, figs 1-3	H—MO	[4] (6)	---
<i>Z. multifoliolata</i> A. DC.	<i>Z. angustifolia</i>	1868	<i>Prodr.</i> 16(2): 545	H—G-DC	8	---
<i>Z. muricata</i> var. <i>angustifolia</i> Miq.	<i>Z. muricata</i>	1842	<i>Monogr. Cycad.</i> : 66	H—U	8	---
<i>Z. muricata</i> var. <i>obtusifolia</i> Miq.	<i>Z. muricata</i>	1843	<i>Tijdschr. Natuurl. Gesch. Physiol.</i> 10: 71-72	t. 7, fig. a in <i>Linnaea</i> 19, 1847	8	---
<i>Z. noeffiana</i> Linden ex Wittmack	<i>nomen dubium</i>	1897	<i>Gartenflora</i> 46: 358	?	8	---
<i>Z. obidensis</i> Ducke	<i>Z. lecointei</i>	1922	<i>Arch. Jard. Bot. Rio de Janeiro</i> 3: 19	H—MG	[4] 8	---
<i>Z. obliqua</i> Regel ex A. Ducos	<i>Z. obliqua</i>	1877	<i>Ill. Hort.</i> 24: 140, pl. 289	pl. 289	8	---
<i>Z. ottonis</i> Miq.	<i>Z. pygmaea</i>	1843	<i>Linnaea</i> 17: 740	H—U	8	---
<i>Z. pallida</i> Salisb.	<i>nomen dubium</i>	1796	<i>Prodr. Stirp.</i> , 401	?	8	---
<i>Z. picta</i> Dyer	<i>Z. variegata</i>	1884	in Hemsl., <i>Biol. Cent.-Amer., Bot.</i> 3: 194	H—U	[4] (6) 9	---
<i>Z. potemkini</i> hort. ex Miq.	<i>nomen dubium</i>	1870	<i>Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk.</i> 2(4): 30	?	8	---
<i>Z. silicea</i> Britton	<i>Z. pygmaea</i>	1916	<i>Bull. Torrey Bot. Club</i> 43: 462	H—NY	8	---
<i>Z. silvicola</i> Small	<i>Z. integrifolia</i>	1926	<i>Journ. N. Y. Bot. Gard.</i> 17: 128	H—NY	8	---
<i>Z. splendens</i> Schutzman	<i>Z. verschaffeltii</i>	1984	<i>Phytologia</i> 55: 299-303	H—FTG	8	---
<i>Z. stricta</i> Miq.	<i>S. angustifolia</i>	1851	<i>Verh. Nederl. Inst.</i> 3(4): 183	H—U	8 (10)	---
<i>Z. sylvatica</i> Chamb.	<i>Z. loddigesii</i>	1926	<i>Bot. Gaz.</i> 81: 223, 225	L—NY	[4] 8	---
<i>Z. tenuis</i> Willd.	<i>Z. integrifolia</i>	1806	<i>Sp. Pl.</i> ed. 4, 4(2): 846.	H—B-W	8	---
<i>Z. umbrosa</i> Small	<i>Z. integrifolia</i>	1921	<i>Journ. N. Y. Bot. Gard.</i> 22: 136, in <i>adnot.</i>	L—NY	8	---

Name & Authority ¹	Distribution	Published	Citation	Type Specimen	Added (Removed) ²	Conserv. Status ³
<i>Z. verschaffeltii</i> Miq.	<i>Z. muricata</i>	1870	<i>Verh. Kon. Ned. Akad. Wetensch., Afd. Natuurk.</i> 2(4): 31	H—U	[4] (7)	---
<i>Z. verschaffeltii</i> Miq.	<i>nomen dubium</i>	1869	<i>Versl. Med. Kon. Acad. afd. Natuurk.</i> ser. 2,4: 31-32	H—U	11	---
<i>Z. yatesii</i> Miq.	<i>Z. angustifolia</i>	1851	<i>Verh. Nederl. Inst.</i> 3(4): 182	H—U	8	---

¹ This column lists all names that have ever been included in the World List of Cycads; names followed by † in this document are no longer considered valid.

² This column indicates the list (WL1-WL11) in which each taxon was added or removed (in parentheses) from the World List of Cycads; “1” in this column refers to WL1, “2” refers to WL2, etc.

³ Additional information for some species has been added in this historical review article, per the most recent *IUCN Red List* (IUCN, 2009) and individual species descriptions; categories and criteria follow those given in the *IUCN Red List v. 3.1* (IUCN, 2001).

LITERATURE CITED

- Anonymous. 1985. World list of cycads. *Cycad Newsletter* 8(4):8-11.
- Brummit, R. K. & C. E. Powell. 1992. *Authors of Plant Names*. Royal Botanic Gardens, Kew, UK.
- Butt, L. 1990. *An introduction to the genus Cycas in Australia*. Palm & Cycad Societies of Australia, Milton, Queensland.
- Butt, L. 1991. *An introduction to the Zamiaceae in Australia*. Palm & Cycad Societies of Australia, Milton, Queensland.
- Donaldson, J.S. (ed.). 2003. *Cycads: Status Survey and Conservation Action Plan*. IUCN – The World Conservation Union, Gland, Switzerland. <http://www.iucn.org/themes/ssc/news/cycadsap.htm>
- Dyer, W.T.T. 1886. Cycadaceae. Pp. 190–195, In: F.D. Godman & A.L.S. Hemsley (eds.), *Contributions to the Knowledge of the Fauna and Flora of Mexico and Central America*. R.H. Porter, London, UK.
- Eckenwalder, J. 1980. Taxonomy of the West Indian cycads. *Journal of the Arnold Arboretum* 61:701–722.
- Giddy, C. 1984. *Cycads of South Africa*, 2nd ed. Struik, Capetown, South Africa.
- Goode, D. 1989. *Cycads of Africa*. Struik, Capetown, South Africa.
- Hill, K.D. 1992. A preliminary account of *Cycas* (Cycadaceae) in Queensland. *Telopea* 5:177–206.
- Hill, K.D. 1993. *Cycas arenicola* (Cycadaceae), a new species from the Northern Territory of Australia. *Telopea* 5:419–422.
- Hill, K.D. 1994a. Three new species of *Cycas* (Cycadaceae) from the Northern Territory, Australia. *Telopea* 5:693–701.
- Hill, K.D. 1994b. The *Cycas media* group (Cycadaceae) in New Guinea and the western Pacific. *Australian Systematic Botany* 7:527–541.
- Hill, K.D. 1994c. The *Cycas rumphii* complex (Cycadaceae) in New Guinea and the western Pacific. *Australian Systematic Botany* 7:543–567.
- Hill, K.D. 1995. The genus *Cycas* (Cycadaceae) in the Indian region, with notes on the application and typification of the name *Cycas circinalis*. *Taxon* 44:23–31.
- Hill, K.D. 1996. A taxonomic revision of the genus *Cycas* (Cycadaceae) in Australia. *Telopea* 7:1–64.
- Hill, K.D. & D.W. Stevenson. 1998-2005. *The Cycad Pages*.
<http://plantnet.rbgsyd.gov.au/PlantNet/cycad/index.html>
- Hill, K.D., D.W. Stevenson & R. Osborne. 2004a. The world list of cycads. Pp. 219–235, In: T. Walters & R. Osborne (eds.), *Cycad Classification: Concepts and Recommendations*. CABI Publishing, Cambridge, MA.
- Hill, K.D., D.W. Stevenson & R. Osborne. 2004b. The world list of cycads. *Proceedings of the Fifth International Conference on Cycad Biology (CYCAD 99)*. *Botanical Review* 70:274–298.
- Hill, K.D., D.W. Stevenson & R. Osborne. 2004c. The world list of cycads. Pp. 195–212, In: J.A. Lindström (ed.), *Proceedings of the Sixth International Conference on Cycad Biology (CYCAD 2002)*. Nong Nooch Tropical Garden, Pattaya, Thailand.
- Hill, K.D., D.W. Stevenson & R. Osborne. 2007. The World List of Cycads. Proceedings of the 7th International Conference on Cycad Biology (CYCAD 2005), Xalapa, Mexico, January 2005. *Memoirs of the New York Botanical Garden* 97:454–483.
- Holmgren, P.K., N.H. Holmgren & L.C. Barnett. 1990. *Index Herbariorum*. Part I: The Herbaria of the World, 8th ed. *Regum Vegetabile* 120. New York Botanical Garden, Bronx, NY.
- IUCN. 2001. *2001 IUCN Categories & Criteria (version 3.1)*. http://www.redlist.org/info/categories_criteria2001.html
- IUCN. 2006. *2006 IUCN Red List of Threatened Species*. <http://www.redlist.org>
- IUCN. 2009. *2009 IUCN Red List of Threatened Species v.2009.2*. <http://www.redlist.org>
- Johnson, L.A.S. 1959. The families of cycads and the Zamiaceae of Australia. *Proceedings of the Linnean Society of New South Wales* 85:64–117.

- Jones, D.L. 1991. Notes of *Macrozamia* Miq. (Zamiaceae) in Queensland with the description of two new species in section *Parazamia* (Miq.) Miq. *Austrobaileya* 3:481–487.
- Jones, D.L. & P.I. Forster. 1994. Seven new species of *Macrozamia* section *Parazamia* (Miq.) Miq. (Zamiaceae) from Queensland. *Austrobaileya* 4:269–288.
- Lawrence, G.H.M., A.F.G. Buchheim, G.S. Daniels & H. Dolezal. (eds). 1968. *Botanico-Periodicum-Huntianum*. Hunt Botanical Library, Pittsburgh, PA.
- Lindström, A. J. 2009. Typification of some species names in *Zamia* L. (Zamiaceae), with an assessment of the status of *Chigua* D. Stev. *Taxon* 58 (1): 265–270.
- Osborne, R. & J. Hendricks. 1985. A world list of cycads. *Encephalartos* 3:13–17.
- Osborne, R. & J. Hendricks. 1986. A world list of cycads—supplement. *Encephalartos* 5:27.
- Osborne R., D.W. Stevenson & K.D. Hill. 1999. The world list of cycads. Pp. 224–239, In: C.J. Chen (ed.), *Proceedings of the Fourth International Conference on Cycad Biology (CYCAD 96)*. International Academic Publishers, Beijing, China.
- Osborne, R., D.W. Stevenson, K.D. Hill & L. Stanberg. *In press*. The world list of cycads. *Proceedings of the 8th International Conference on Cycad Biology (CYCAD 2008)*, Panama City, Panama.
- Pant, D.D. 1993. *Cycas and the Cycadales*. Central Book Depot, Allahabad, India.
- Sabato, S. & P. De Luca. 1985. Evolutionary trends in *Dioon* (Zamiaceae). *American Journal of Botany* 72:1353–1363.
- Schuster, J. 1932. Cycadaceae. In: A. Engler (ed.), *Das Pflanzenreich* 99(IV. 1):1–168.
- Stafleu, F.A. & R.S. Cowan. 1976, 1979, 1981, 1983. *Taxonomic Literature*, 2nd ed. Vols 1–4 (*Regum Vegetabile* 94, 98, 105, 110).
- Stevenson, D.W. 1990. *Chigua*, a new genus in the Zamiaceae with comments on its biogeographic significance. *Memoirs of the New York Botanical Garden* 57:169–172.
- Stevenson, D.W. & R. Osborne. 1993a. The world list of cycads. Pp. 354–364, In: D.W. Stevenson & K.J. Norstog (eds.), *Proceedings of the Second International Conference on Cycad Biology (CYCAD 90)*. Palm & Cycad Societies of Australia Ltd., Milton, Queensland, Australia.
- Stevenson, D.W. & R. Osborne. 1993b. The world list of cycads. *Encephalartos* 33:19–25.
- Stevenson, D.W., R. Osborne & J. Hendricks. 1990. A world list of cycads. *Proceedings of the First International Conference on Cycad Biology (CYCAD 87)*. *Memoirs of the New York Botanical Garden* 57:200–206.
- Stevenson, D.W., R. Osborne & K.D. Hill. 1995. The world list of cycads. Pp. 55–64, In: P. Vorster (ed.), *Proceedings of the Third International Conference on Cycad Biology (CYCAD 93)*. The Cycad Society of South Africa, Stellenbosch, South Africa.
- Stevenson, D.W. & S. Sabato. 1986. Typification of names in *Zamia* L. and *Aulacophyllum* Regel (Zamiaceae). *Taxon* 35:134–144.
- Stevenson, D.W., S. Sabato & M. Vazquez-Torres. 1986. A new species of *Ceratozamia* (Zamiaceae) from Mexico, with comments on vegetative morphology, habitats, and species distribution in *Ceratozamia*. *Brittonia* 38:17–26.
- TPC. 1980. World list of cycads. IUCN Threatened Plants Committee Botanic Gardens Conservation Coordinating Body, Royal Botanic Gardens, Kew, UK.
- Vorster, P. 2004. Typification of *Encephalartos*. *Bothalia* 34:112–113.
- Vovides, A.P., J.D. Rees & M. Vazquez Torres. 1983. Zamiaceae. In: *Flora de Veracruz*. Facs. 26, Instituto Nacional de Investigaciones sobre Recursos Bioticos, Xalapa, Mexico.
- Wang, F.X. & H.L. Liang. 1996. *Cycads in China*. Guangdong Science and Technology Press, Guangzhou.