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CHECKLIST OF THE ZINGIBERACEAE OF MALESIA

MARK NEWMAN¹, AMÉLIE LHUILLIER² & AXEL DALBERG POULSEN³

SUMMARY

A checklist of Malesian Zingiberaceae is provided, giving generic names, specific and infraspecific binomials and trinomials, basionyms, synonyms, protologues, type specimens and their locations and limited information on distributions. The revision status of accepted genera and some nomenclatural notes are included. In total 1,661 names are listed.

INTRODUCTION

This checklist is a precursor to a revision of the Zingiberaceae for Flora Malesiana (FM). It appears very nearly a century after the last monograph of the family (Schumann, 1904). During this time generic limits in the family have changed greatly and many new species have been described, while the forests in Malesia have declined catastrophically.

There have been revisions of the Zingiberaceae for certain areas within Malesia, notably Holttum's Zingiberaceae of the Malay Peninsula (Holttum, 1950) and Smith's Review of Bornean Zingiberaceae (Smith, 1985, 1986, 1987, 1988, 1989). However, for large areas of Malesia, including Sumatra, the Philippines and all of eastern Malesia, there is still only a scattering of old papers in a number of European languages.

While traditional taxonomic work has made slow progress in recent years, phylogenetics has made great strides. The latest phylogenetic study of the family (Kress et al., 2002) gives a new infrafamilial classification and clear indications that further changes are to come in genera such as *Alpinia* and *Amomum*. This checklist, then, should be seen as a compilation of current knowledge, not a finished work.

Our models in writing this checklist are the Checklist and Botanical Bibliography of the Aroids of Malesia, Australia, and the Tropical Western Pacific (Hay et al., 1995) and the World Checklist and Bibliography of Araceae (and Acoraceae) (Govaerts & Frodin, 2002). Though the Zingiberaceae are not as well known as the Araceae are to those authors, and all genera, except some of the very small ones, require revision, we

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try to give a revision status for each genus, as they did. Revision status A = recently revised or currently under active revision at an advanced stage, B = partially revised recently, C = not revised for 40 years or more.

METHODS

The checklist is drawn from a taxonomic database held at the Royal Botanic Garden, Edinburgh (E) in which the boundaries of Malesia are defined. We subdivide Malesia in the same way that Govaerts & Frodin (2002) divide the world, using the third level areas in the TDWG standard world geographical scheme for recording plant distributions (<http://www.tdwg.org/standrds.html#floristic>). In Malesia these are Sumatra, Peninsular Malaysia, Singapore, Sarawak, Brunei, Sabah, Kalimantan, Java, Bali, the Lesser Sunda Islands, Timor Leste, the Philippines, Sulawesi, the Moluccas, West Papua, Papua New Guinea, and the Bismarck Archipelago. In a small number of cases, we have not been able to find out where in Borneo a specimen was collected and so we simply cite the locality as Borneo. The north-west boundary of Malesia is a line between Alor Setar and Pattani which includes all or part of the Thai provinces of Narathiwat, Pattani, Satun, Songkhla and Yala. We have created an area in our database consisting of these provinces and, where Thailand is cited in distributions, it should be understood that we mean these provinces alone. The third level areas of the TDWG scheme are not always countries. For example, the Bismarck Archipelago and the North Solomons are part of Papua New Guinea but they are both third level areas in the TDWG scheme. The Bismarck Archipelago is in Malesia but the North Solomons are not.

The International Plant Names Index (IPNI) and other publications on Zingiberaceae were searched for names which have been used in Malesia. For each name found, at least one specimen was entered into the database. This was usually a type specimen, which may have been seen. Those types which have been seen by one of the authors, or a correspondent, are indicated with an exclamation mark. When a type is cited without an exclamation mark, we have only seen a reference to it in the literature but have not seen the specimen itself. The herbaria given for unseen type specimens are those where the respective authors are known to have worked. For example, most types of names published by Schumann are cited as being at B, and those of Valeton at BO. Many specimens at B and PNH no longer exist, since both herbaria were damaged by fire during the Second World War. Species which are based on types from outside Malesia are represented by any Malesian specimens in the database.

An attempt was made to record all determinations of type specimens. In many cases these determinations are taken from literature, not from *determinavit* slips. For example, *Elmer 10534a* (L) was recorded with two determinations, *Adelmeria alpina* Elmer (by Elmer in 1915, the year of publication of the name) and *Alpinia alpina* (Elmer) R.M. Sm. (by Smith in 1990, the year of publication of the combination). The program which created the checklist from the database then listed *Adelmeria alpina* in its place under the genus *Adelmeria* in the alphabetical order, and again in synonymy under *Alpinia alpina*.

It has not been possible in the time available to enter full determination histories for each and every specimen. The result is that there are some synonyms which appear under an accepted name but do not appear in the alphabetical order. We hope that this will not seriously weaken the usefulness of the checklist.

At the end of this process, all specimens within Malesia were searched for names attached to them. The kind of name appears in brackets after the author. Names can be of four kinds, A = accepted, P = provisionally accepted, S = synonymous, and K = unknown. Accepted names are listed with *all their known synonyms*, even those based on specimens from outside Malesia. Basionyms are made explicit and names listed in homotypic groups in date order. Abbreviations of the names of authors, and places of publication of names conform to TDWG standards (<http://www.tdwg.org/standrds.html>), that is, Authors of Plant Names (Brummitt & Powell, 1992) for abbreviations of names of authors, Taxonomic Literature, ed. 2 and its Supplements (Stafleu & Cowan, 1976 et seq.) for book titles, and *Botanico-periodicum-huntianum* for periodical titles (Lawrence et al., 1968, Bridson & Smith, 1991).

Provisionally accepted names are those which have not been revised for a long time. It is not possible in the underlying database to record synonyms under a provisional name so we have grouped provisional names in homotypic groups with the basionym appearing first. Entries for provisional names which are based on an earlier name refer the reader to the basionym. Names listed under the heading, "Combination(s)" are not synonyms and should not be treated as such.

In some cases provisional names will be found in genera which are known to be synonyms or in the wrong genus, according to current thinking. New combinations may be required but we hold strongly to the opinion that combinations should not be made routinely, without further study, since this merely clutters the literature with names. These provisional names may just as likely turn out to be synonyms of better known and more widespread species but this will only come to light when genera are revised throughout Malesia.

Entries for synonyms refer the reader to the accepted name where full details are given.

Our chief aim is to provide a complete list of names, correctly cited, which taxonomists must consider when they revise genera. Where possible we have identified type material though we have not been able to visit all necessary herbaria. In addition, it must be remembered that types known to have been at herbaria badly damaged in the Second World War are probably lost forever.

Distributions of species are not all complete. This work is based substantially on specimen data and we have not been able to record all specimens of Zingiberaceae from Malesia. Many of the distributions will be complete because most species occur in only one or two of our divisions of Malesia but caution should be exercised when using our distribution data. This checklist is not suitable for drawing up checklists of areas within Malesia.

Much of the information in this checklist can be consulted through the internet at the Zingiberaceae Resource Centre (<http://rbg-web2.rbge.org.uk/ZRC/home.html>). One year after publication, all the information in the checklist, plus any more gathered in that year, will be published at the ZRC.

We hope that this checklist will be a significant advance in studies of the Zingiberaceae. However, it is certain that there will be omissions and perhaps even mistakes in it. We shall be very grateful if readers communicate errors or omissions to the first author.

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Many curators have helped us by supplying information about specimens we have not been able to see. In particular we thank Ulricke Starck and Robert Vogt (B), Chiara Nepi, Giorgio Padovani and Laura Vivona (FI), Laurent Gautier (G), Jana Škorničková (PR, PRC), and Ruth Kiew and Denise Ullrich (SING). Jan Frits Veldkamp (L) kindly helped us to interpret the types of Blume's names at L. We are grateful for the work that Khaw Siok Hooi and Januarius Gobilik did on the genus *Plagiostachys* and to Marco Roos (L) for facilitating a study grant to ADP from The Netherlands Organisation for Scientific Research.

CHECKLIST

Achasma Griff. = *Etlingera* Giseke

Achasma brevilabrum Valetton = *Etlingera brevilabrum* (Valetton) R.M. Sm.

Achasma coccineum (Blume) Valetton = *Etlingera coccinea* (Blume) S. Sakai & Nagam.

Achasma foetens (Blume) Valetton = *Etlingera foetens* (Blume) R.M. Sm.

Achasma labellosum (K. Schum.) Valetton = *Etlingera labellosa* (K. Schum.) R.M. Sm.

Achasma macrocheilos Griff. = *Etlingera punicea* (Roxb.) R.M. Sm.

Achasma megalocheilos Griff. = *Etlingera littoralis* (J. König) Giseke

Achasma metriocheilos Griff. = *Etlingera metriocheilos* (Griff.) R.M. Sm.

Achasma nasutum (K. Schum.) Loes. = *Etlingera nasuta* (K. Schum.) R.M. Sm.

Achasma pauciflorum (Ridl.) Holttum = *Etlingera pauciflora* (Ridl.) R.M. Sm.

Achasma philippinensis (Ridl.) B.L. Burt & R.M. Sm. = *Etlingera philippinensis* (Ridl.) R.M. Sm.

Achasma puniceum (Roxb.) Loes. = *Etlingera punicea* (Roxb.) R.M. Sm.

Achasma sphaerocephalum (Baker) Holttum = *Etlingera metriocheilos* (Griff.) R.M. Sm.

Achasma sphaerocephalum var. *grandiflorum* Holttum = *Etlingera metriocheilos* var. *grandiflora* (Holttum) I.M. Turner

Achasma sphaerocephalum var. *majus* Holttum = *Etlingera metriocheilos* var. *major* (Holttum) I.M. Turner

Achasma sphaerocephalum var. *petiolatum* Holttum = *Etlingera metriocheilos* var. *petiolata* (Holttum) I.M. Turner

Achasma sphaerocephalum var. *rubrostriatum* Holttum = *Etlingera metriocheilos* var. *rubrostriata* (Holttum) I.M. Turner

Achasma subterraneum Holttum = *Etlingera subterranea* (Holttum) R.M. Sm.

Achasma triorgyale (Baker) Holttum = *Etlingera triorgyalis* (Baker) R.M. Sm.

Achasma walang (Blume) Valetton = *Etlingera walang* (Blume) R.M. Sm.

Achasma xanthoparyphe (K. Schum.) Valetton = *Etlingera xanthoparyphe* (K. Schum.) R.M. Sm.

Adelmeria Ridl. = *Alpinia* Roxb., nom. cons.

Adelmeria albidum Elmer = *Alpinia oblonga* (Merr.) Loes.

Adelmeria alpina Elmer = *Alpinia alpina* (Elmer) R.M. Sm.

Adelmeria bifida Ridl., nom. illeg. = *Alpinia paradoxa* (Ridl.) Loes.

Adelmeria gigantifolia (Elmer) Elmer = *Alpinia gigantifolia* (Elmer) R.M. Sm.

Adelmeria oblonga Merr. = *Alpinia oblonga* (Merr.) Loes.

Alpinia Roxb. — (A)

Alpinia Roxb., *Asiat. Res.* 11 (1810) 350, nom. cons. — Type species: *Alpinia galanga* (L.) Willd.
Maranta L., *Sp. pl.* 1 (1753) 2, *quoad Maranta galanga* L.

Catimbium Juss., *Gen. pl.* (1789) 62. — Type species: *Catimbium nutans* (L.) T. Lestib.

Heritiera Retz., *Observ. bot.* 6 (1791) 17. — Type species: *Heritiera allughas* Retz.

Hellenia Willd., *Willd. Sp. pl.* 1 (1797) 4, nom. illeg., non Retz., 1791. — Type species: *Hellenia allughas* (Retz.) Willd.

Zerumbet J.C. Wendl., *Sert. hannov.* 4 (1798) 3. — Type species: *Zerumbet speciosum* J.C. Wendl.

Kolowratia C. Presl, *Reliq. haenk.* (1827) 113. — Type species: *Kolowratia elegans* C. Presl.

Cenolophon Blume, *Enum. pl. Javae* (1827) 60. — Type species: *Cenolophon rubrum* Blume.

Strobidia Miq., *Fl. Ned. Ind., Eerste bijv.* (1861) 614. — Type species: *Strobidia sumatrana* Miq.

Guillainia Vieill., *Bull. Soc. Linn. Normandie* 10 (1866) 92. — Type species: *Guillainia purpurata* Vieill.

Hellwigia Warb., *Bot. Jahrb. Syst.* 13 (1891) 279. — Type species: *Hellwigia pulchra* Warb.

Cardamomum Kuntze, *Revis. gen. pl.* 2 (1891) 685, p.p. — Type species: Not designated.

Adelmeria Ridl., *Leafl. Philipp. Bot.* 2 (1909) 603. — Type species: *Adelmeria bifida* Ridl.

Elmeria Ridl., *Leafl. Philipp. Bot.* 2 (1909) 569, nom. illeg., non *Elmera* Rydb., 1905.

Languas Small, *Fl. s. e. U. S.* 2 (1913) 307. — Type species: *Languas speciosa* (J.C. Wendl.) Small.

Eriolopha Ridl., *Hooker's Icon. Pl.* (1916) t. 3067. — Type species: *Eriolopha flagellaris* Ridl.

Revision status — A: M.F. Newman (in prep.).

Distribution — Throughout Malesia.

Alpinia acrostachya Steud. = *Etilingera elatior* (Jack) R.M. Sm.

Alpinia acuminata R.M. Sm. — (A)

Alpinia acuminata R.M. Sm., *Edinburgh J. Bot.* 47 (1990) 63, nom. nov. — Basionym: *Rhynchanthus papuanus* Gilli, *Ann. Naturhist. Mus. Wien*, B 84 ("1980") (1983) 46. — Type: A. Gilli 440 (holo W), Western Highlands.

Distribution — Papua New Guinea.

Alpinia aenea B.L. Burtt & R.M. Sm. — (A)

Alpinia aenea B.L. Burtt & R.M. Sm., *Notes Roy. Bot. Gard. Edinburgh* 32 (1972) 42. — Type: *M.J.S. Sands* 595 (holo K, iso E!), South Sulawesi, Latimojong Mountains.

Distribution — Lesser Sunda Isl., Sulawesi.

Alpinia affinis Ridl. = *Riedelia affinis* (Ridl.) K. Schum.

Alpinia alba (Retz.) Roscoe = *Alpinia galanga* (L.) Willd.

Alpinia albertisii K. Schum. = *Riedelia albertisii* (K. Schum.) K. Schum.

Alpinia albipurpurea (P. Royen) R.M. Sm. — (A)

Alpinia albipurpurea (P. Royen) R.M. Sm., Edinburgh J. Bot. 47 (1990) 64. — Basionym: *Kolow-ratia albipurpurea* P. Royen, The Alpine Flora of New Guinea 2 (1979) 890. — Type: *M. van Balgooy* 583 (holo L!), Papua New Guinea.

Distribution — Papua New Guinea.

Alpinia allughas (Retz.) Roscoe = *Alpinia nigra* (Gaertn.) B.L. Burt

Alpinia alpina (Elmer) R.M. Sm. — (A)

Alpinia alpina (Elmer) R.M. Sm., Edinburgh J. Bot. 47 (1990) 37. — Basionym: *Adelmeria alpina* Elmer, Leaf. Philipp. Bot. 8 (1915) 2885. — Type: *A.D.E. Elmer 10642* (syn GH!, K!), *10534* (syn U!), *10534a* (syn G!, GH!, L!, MICH, P!).

Distribution — Philippines.

Alpinia amentacea R.M. Sm. — (A)

Alpinia amentacea R.M. Sm., Edinburgh J. Bot. 48 (1991) 351. — Type: *B. Lee S 45518* (holo E!, iso SAR!), Belaga.

Distribution — Sarawak.

Alpinia angustifolia K. Schum. = *Alpinia glabra* Ridl.

Alpinia annabellae Ridl. = *Plagiostachys uviformis* (L.) Loes.

Alpinia apoensis Elmer — (A)

Alpinia apoensis Elmer, Leaf. Philipp. Bot. 8 (1915) 2888. — *Languas apoensis* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 230. — Type: *A.D.E. Elmer 11889* (iso BM, FI!, G!, GH!, K!, L!, U!), Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Alpinia aquatica (Retz.) Roscoe — (A)

Alpinia aquatica (Retz.) Roscoe, Trans. Linn. Soc. London 8 (1807) 346. — Basionym: *Heritiera aquatica* Retz., Observ. bot. 6 (1791) 18. — Type: *J.G. König s.n.*, specimen lost.

Hellenia melanocarpa Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 24 (1862) 328. — *Alpinia melanocarpa* (Teijsm. & Binn.) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 163. — *Languas melanocarpa* (Teijsm. & Binn.) Burkill, Gard. Bull. Straits Settlem. 6 (1930) 260. — Type: *J.E. Teijsmann s.n.* (BO).

Alpinia fraseriana Oliv., Hooker's Icon. Pl. 16 (1887) t. 1567. — *Languas fraseriana* (Oliv.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 33. — Type: *F.W. Burbidge s.n.* (syn FI!), *M. Fraser s.n.* (syn K).

Alpinia rosella Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 164. — Lectotype: *G.F. Hose 16* (K, designated by Turner, 2000), Brunei.

Alpinia exostylis K. Schum., Pflanzenz. IV, 46 (1904) 314. — *Languas exostylis* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — Type: *P.W. Korthals s.n.*

Alpinia cornucervi Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 243. — *Languas cornucervi* (Ridl.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — Type: *J. Hewitt s.n.* (holo K), Sarawak.

Alpinia rubella Ridl. in Winkler, Bot. Jahrb. Syst. 44 (1910) 529. — *Languas rubella* (Ridl.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 35. — Type: *H.J.P. Winkler 3095* (holo WRSL), Kalimantan.

Alpinia quadriloba Ridl., Bull. Misc. Inform. (1926) 90. — Type: *C.B. Kloss 14527* (holo K, iso SING!), Pulau Siberut.

Distribution — Sumatra, Peninsular Malaysia, Sarawak, Brunei, Sabah, Kalimantan, Java.

Alpinia arfakensis K. Schum. — (A)

Alpinia arfakensis K. Schum., Bot. Jahrb. Syst. 27 (1899) 296. — Type: *O. Beccari s.n.* (July 1875) (holo FI!), Arfak Mountains.

Distribution — West Papua.

Alpinia arfakensis var. **subsessilis** Valetton — (P)

Alpinia arfakensis var. *subsessilis* Valetton, in Gibbs, Fl. Arfak mts. (1917) 102. — Type: *L.S. Gibbs 5524* (syn BM), *5983* (syn BO!), *5983 bis* (syn BM).

Distribution — West Papua.

Alpinia argentea (B.L. Burt & R.M. Sm.) R.M. Sm. — (A)

Alpinia argentea (B.L. Burt & R.M. Sm.) R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 69. — Basionym: *Cenolophon argenteum* B.L. Burt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 310. — Type: *B.L. Burt & A.M. Martin 5166* (holo E!), Gunung Murud.

Distribution — Sarawak, Sabah.

Alpinia assimilis Ridl. — (A)

Alpinia assimilis Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 166. — *Catimbium assimile* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 152. — Lectotype: *C. Curtis 2766* (SING!), designated by Turner, 2000), Penang.

Distribution — Peninsular Malaysia.

Alpinia athroantha Valetton — (A)

Alpinia athroantha Valetton, Nova Guinea 8 (1913) 952. — Type: *L.S.A.M. von Römer 409* (syn L!), *G.M. Versteeg 1438* (syn BO!, L!).

Distribution — West Papua.

Alpinia aurantiaca Ridl. = *Alpinia rafflesiana* Wall. ex Baker

Alpinia aurantiaca Wall. ex Baker, nom. nud. = *Alpinia rafflesiana* Wall. ex Baker

Alpinia aurantiaca var. *hirtior* Ridl. = *Alpinia rafflesiana* var. *hirtior* (Ridl.) Holttum

Alpinia beamanii R.M. Sm. — (A)

Alpinia beamanii R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 45 (1989) 341. — Type: *J.H. Beaman 8308* (holo E!, iso L!), Crocker Range.

Distribution — Sabah.

Alpinia biakensis R.M. Sm. — (A)

Alpinia biakensis R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 35 (1977) 205. — Type: *A.J.G.H. Kostermans & Soegang 882* (holo L!), Bismarck Archipelago.

Distribution — Sulawesi, Bismarck Archipelago.

Alpinia bifida Warb. = *Alpinia galanga* (L.) Willd.

Alpinia biligulata Valeton = *Pleuranthodium biligulatum* (Valeton) R.M. Sm.

Alpinia blumei D. Dietr. = *Alpinia javanica* Blume

Alpinia blumei K. Schum. = *Alpinia ludwigiana* R.M. Sm.

Alpinia bodenii R.M. Sm. — (A)

Alpinia bodenii R.M. Sm., Edinburgh J. Bot. 47 (1990) 64, nom. nov. — Basionym: *Eriolopha sericea* Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 221. — Type: *C.B. Kloss s.n. (17 January 1913)* (holo BM), Mount Carstensz.

Distribution — West Papua.

Alpinia borneensis Valeton ex Gagnep. = *Alpinia nieuwenhuizii* Valeton

Alpinia brachyantha Merr. — (A)

Alpinia brachyantha Merr., Philipp. J. Sci., C 10 (1915) 296. — *Languas brachyantha* (Merr.) Merr., Enum. Philipp. fl. pl. 1 (1923) 230. — Type: *C.M. Weber 1571* (iso E!, K!, P!), Abulug River.

Distribution — Philippines.

Alpinia brachypoda K. Schum. = *Plagiostachys strobilifera* (Baker) Ridl.

Alpinia branderhorstii Valeton = *Pleuranthodium branderhorstii* (Valeton) R.M. Sm.

Alpinia brevilabris C. Presl — (A)

Alpinia brevilabris C. Presl, Reliq. haenk. 1 (1827) 110. — *Languas brevilabris* (C. Presl) Merr., Enum. Philipp. fl. pl. 1 (1923) 230. — Type: *T. Haenke s.n. (PR!)*.

Distribution — Philippines.

Alpinia brevituba Valeton = *Alpinia odontonema* K. Schum.

Alpinia burkillii M.R. Hend. = *Alpinia pahangensis* Ridl.

Alpinia caerulea (R. Br.) Benth. — (A)

Alpinia caerulea (R. Br.) Benth., Fl. austral. 6 (1873) 265. — Basionym: *Hellenia caerulea* R. Br., Prodr. (1810) 308. — Type: *R. Brown s.n. (1802)* (syn BM).

Distribution — Papua New Guinea.

Alpinia calycodes K. Schum. — (A)

Alpinia calycodes K. Schum., Bot. Jahrb. Syst. 27 (1899) 295. — Type: *O. Beccari 589* (holo FI!), West Papua.

Distribution — West Papua, Papua New Guinea.

Alpinia campanaria Ridl. = *Alpinia javanica* Blume

Alpinia cannifolia Ridl. = *Alpinia vitellina* var. *cannifolia* (Ridl.) I.M. Turner

Alpinia capitellata Jack — (A)

Alpinia capitellata Jack, Descriptions of Malayan plants 2 (1822) 4. — *Languas capitellata* (Jack) Merr., Univ. Calif. Publ. Bot. 15 (1929) 33. — Type: *W. Jack s.n.* specimen lost.

Alpinia grandiceps Ridl., J. Straits Branch Roy. Asiat. Soc. 50 (1908) 148. — *Languas grandiceps* (Ridl.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — Type: *J. Hewitt s.n.* (November 1907) (holo K, iso SAR!), Kuching.

Distribution — Sumatra, Sarawak, Sabah.

Alpinia carinata Valetton — (A)

Alpinia carinata Valetton, Nova Guinea 8 (1913) 945. — Type: *G.M. Versteeg 1271* (holo BO!), near Sabang and Alkmaar, Mundung River.

Distribution — West Papua.

Alpinia carnea Griff. = *Alpinia galanga* (L.) Willd.

Alpinia caudata Gagnep. = *Alpinia romburghiana* Valetton

Alpinia celebica Ridl. — (A)

Alpinia celebica Ridl., J. Straits Branch Roy. Asiat. Soc. 34 (1900) 98. — Lectotype: *J.G.F. Riedel s.n.* (K, designated by Smith, 1990, isolecto BO!), Gorontalo.

Distribution — Sulawesi.

Notes — Schumann (1904) also published *Alpinia celebica*, based on the same type. The duplicate at BO is recorded there as the holotype.

Alpinia chaunocolea K. Schum. — (A)

Alpinia chaunocolea K. Schum., Bot. Jahrb. Syst. 27 (1899) 292. — Type: *O. Beccari 916* (holo FI!), West Papua.

Distribution — West Papua.

Alpinia chinensis S. Vidal = *Alpinia cumingii* K. Schum.

Alpinia chrysogynia K. Schum. — (A)

Alpinia chrysogynia K. Schum., Pflanzenr. IV, 46 (1904) 365. — Type: *K.F. & P.B. Sarasin 674* (syn B), *414* (syn B), *O. Warburg 15732* (syn B).

Distribution — Sulawesi.

Notes — *Amomum chrysogynium* K. Schum., Bot. Jahrb. Syst. 27 (1899) 322, nom. nud. The specimens above are cited but there is no description.

Alpinia chrysorrhachis K. Schum. — (A)

Alpinia chrysorrhachis K. Schum., Pflanzenr. IV, 46 (1904) 337. — Type: *K.F. & P.B. Sarasin 829* (holo B), Sulawesi.

Distribution — Sulawesi.

Alpinia coccinea (Blume) D. Dietr. = *Etingera coccinea* (Blume) S. Sakai & Nagam.

***Alpinia coeruleoviridis* K. Schum. — (A)**

Alpinia coeruleoviridis K. Schum., Pflanzenr. IV, 46 (1904) 361. — Type: *K.F. & P.B. Sarasin s.n.* (holo B), Sulawesi.

Distribution — Sulawesi.

Alpinia colossea K. Schum. = *Alpinia papuana* Scheff.

Alpinia comosa Ridl., nom. illeg. = *Alpinia oxymitra* K. Schum.

Alpinia compta K. Schum. = *Pleuranthodium comptum* (K. Schum.) R.M. Sm.

***Alpinia conchigera* Griff. — (A)**

Alpinia conchigera Griff., Not. pl. asiat. 3 (1851) 424. — *Languas conchigera* (Griff.) Burkill, Bull. Misc. Inform. (1930) 37. — Type: *W. Griffith 5700* (holo K), Peninsular Malaysia.

Alpinia laosensis Gagnep., Bull. Soc. Bot. France 53 (1906) 133. — Type: *Pavie s.n.* (holo P!), Laos.

Distribution — Thailand, Peninsular Malaysia.

***Alpinia condensata* Valetton — (A)**

Alpinia condensata Valetton, Nova Guinea 8 (1913) 953. — Type: *L.S.A.M. von Römer 1110* (syn BO!), *L.S.A.M. von Römer 1118* (syn BO!).

Distribution — West Papua.

***Alpinia conferta* B.L. Burt & R.M. Sm. — (A)**

Alpinia conferta B.L. Burt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh (1972) 40. — Type: *E.J.H. Corner 107* (holo K, iso E!), South Solomons, Guadalcanal, Mt. Popomanaseu.

Distribution — Papua New Guinea.

***Alpinia congesta* Elmer — (A)**

Alpinia congesta Elmer, Leafl. Philipp. Bot. 8 (1919) 2968. — *Kolowratia congesta* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 235. — Type: *A.D.E. Elmer 16144* (iso BM, BO!, FI!, G!, GH!, K!, L!, U!), Sorsogon, Irosin, Mt. Bulusan.

Distribution — Philippines.

***Alpinia conglomerata* R.M. Sm. — (A)**

Alpinia conglomerata R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 36 (1978) 277. — Type: *P. van Royen NGF 18154* (holo LAE, iso E!), Eastern Highlands.

Distribution — Papua New Guinea.

***Alpinia copelandii* Ridl. — (A)**

Alpinia copelandii Ridl., Philipp. J. Sci., C 4 (1909) 184. — *Languas copelandii* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 231. — Type: *E.B. Copeland s.n. (February 1905)* (holo MICH), Zamboanga.

Distribution — Philippines.

Alpinia corallina K. Schum. = *Riedelia corallina* (K. Schum.) Valeton

Alpinia cordylinoides Ridl. = *Riedelia cordylinoides* (Ridl.) R.M. Sm.

Alpinia corneri (Holtum) R.M. Sm. — (A)

Alpinia corneri (Holtum) R.M. Sm., Edinburgh J. Bot. 47 (1990) 65. — Basionym: *Cenolophon corneri* Holtum, Gard. Bull. Singapore 13 (1950) 139. — Type: *E.J.H. Corner SFN 30506* (holo SING!, iso BO!, E!, L!), Kemaman.

Distribution — Peninsular Malaysia.

Alpinia cornucervi Ridl. = *Alpinia aquatica* (Retz.) Roscoe

Alpinia cristata Griff. — (P)

Alpinia cristata Griff., Not. pl. asiat. 3 (1851) 421. — Type: *W. Griffith s.n.* (holo K), Peninsular Malaysia.

Distribution — Peninsular Malaysia.

Notes — perhaps conspecific with *Alpinia zerumbet* (Pers.) B.L. Burtt & R.M. Sm., according to Smith (1990).

Alpinia crocydocalyx K. Schum. = *Plagiostachys crocydocalyx* (K. Schum.) B.L. Burtt & R.M. Sm.

Alpinia cumingii K. Schum. — (A)

Alpinia cumingii K. Schum., Pflanzenr. IV, 46 (1904) 315. — *Languas cumingii* (K. Schum.) Merr., Enum. Philipp. fl. pl. 1 (1923) 231. — Type: *H. Cuming 859* (iso BM, FI!, K!).
Alpinia chinensis S. Vidal, Phan. Cuming. philipp. (1885) 152, non (Retz.) Roscoe, 1807.

Distribution — Philippines.

Alpinia cylindrocephala K. Schum. — (A)

Alpinia cylindrocephala K. Schum., Pflanzenr. IV, 46 (1904) 356. — Type: *K.F. & P.B. Sarasin 1243* (holo B), Sulawesi.

Distribution — Sulawesi.

Alpinia cylindrostachys K. Schum. = *Amomum coriaceum* R.M. Sm., nom. nov.

Alpinia dasystachys Valeton — (A)

Alpinia dasystachys Valeton, Nova Guinea 8 (1913) 946. — Type: *L.S.A.M. von Römer 1016* (syn BO!), *1114* (syn BO!), *1157* (syn BO!).

Distribution — West Papua.

Alpinia decurva Ridl. = *Riedelia decurva* (Ridl.) Valeton

Alpinia decurvata Baker = *Geostachys decurvata* (Baker) Ridl.

Alpinia dekokkii Valeton — (A)

Alpinia dekokkii Valeton, Nova Guinea 8 (1913) 949. — Type: A.C. de Kock 1911 (holo BO), West Papua.

Distribution — West Papua.

Alpinia densiflora K. Schum. — (A)

Alpinia densiflora K. Schum., Bot. Jahrb. Syst. 27 (1899) 292. — Type: O. Beccari s.n. (holo FI!), West Papua.

Distribution — West Papua.

Alpinia denticulata (Ridl.) Holttum — (A)

Alpinia denticulata (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 143. — Basionym: *Hedychium denticulatum* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 102. — *Odontochium denticulatum* (Ridl.) K. Schum., Pflanzenz. IV, 46 (1904) 60. — Lectotype: H.N. Ridley 9455 (SING!), designated by Turner, 2000), Perak.

Distribution — Peninsular Malaysia.

Alpinia diracodes Loes. = *Etilingera elatior* (Jack) R.M. Sm.

Alpinia divaricata Valeton — (A)

Alpinia divaricata Valeton, Nova Guinea 8 (1913) 950. — Type: L.S.A.M. von Römer 835 (syn BO!), Sg. Lorentz, 978 (syn BO), Hellwig Mts., G.M. Versteeg 1657 (syn BO!, E!, K, U!), Sg. Lorentz.

Alpinia kermesina Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 214. — Type: C.B. Kloss s.n. (holo K, iso E!), Mount Carstensz.

Distribution — West Papua.

Alpinia diversifolia (Elmer) Elmer — (A)

Alpinia diversifolia (Elmer) Elmer, Leafl. Philipp. Bot. 8 (1919) 2991. — Basionym: *Vanoverberghia diversifolia* Elmer, Leafl. Philipp. Bot. 8 (1915) 2913. — *Languas diversifolia* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 231. — Type: A.D.E. Elmer 8853 (iso G!, K, SING!), Luzon, Benguet, Baguio.

Distribution — Philippines.

Alpinia domatifera Valeton — (A)

Alpinia domatifera Valeton, Nova Guinea 8 (1913) 955. — Type: K. Gjellerup 1022 (holo BO!, iso L!), Arfak Mountains.

Eriolopha meyeri Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 218. — Type: A.B. Meyer 10 (holo K), West Papua.

Distribution — West Papua.

Alpinia edanoi R.M. Sm. = *Alpinia musaefolia* Ridl.

Alpinia elatior Jack = *Etilingera elatior* (Jack) R.M. Sm.

Alpinia elegans (C. Presl) K. Schum. — (A)

Alpinia elegans (C. Presl) K. Schum., Bot. Jahrb. Syst. 27 (1899) 288. — Basionym: *Kolowratia elegans* C. Presl, Reliq. haenk. 1 (1827) 113. — *Languas elegans* (C. Presl) Burkill, Bull. Misc. Inform. (1935) 318. — Type: *T. Haenke s.n.* (syn PR!, PRC!).

Alpinia gigantea Náves, in Fernández-Villar & Náves, Nov. app. (1880) 225. — Type: Material not located.

Distribution — Philippines.

Alpinia elmeri R.M. Sm. — (A)

Alpinia elmeri R.M. Sm., Edinburgh J. Bot. 47 (1990) 64, nom. nov. — Basionym: *Alpinia longipetiolata* Elmer, Leaflet Philipp. Bot. 8 (1919) 2969, non *Alpinia longepetiola* Gagnep., 1906. — *Languas longipetiolata* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 232. — Type: *A.D.E. Elmer 16167* (syn GH!, US), Sorsogon, Irosin, Mt. Bulusan, 16954 (syn BM, C!, FI!, G!, GH!, L!, P!, U!), Sorsogon, Irosin, Mt. Bulusan.

Distribution — Philippines.

Alpinia engleriana K. Schum. = *Alpinia oceanica* Burkill, nom. nov.

Alpinia eremochlamys K. Schum. — (A)

Alpinia eremochlamys K. Schum., Pflanzenr. IV, 46 (1904) 362. — Type: *K.F. & P.B. Sarasin 412* (syn B), *A.B. Meyer s.n.* (syn B).

Alpinia pectinata Ridl., J. Straits Branch Roy. Asiat. Soc. 34 (1900) 97. — Lectotype: *S.H. Koorders 19650β* (BO!, designated by Turner & Cheek, 1998), Gunung Klabat.

Distribution — Sulawesi.

Alpinia euastra K. Schum. — (A)

Alpinia euastra K. Schum., Bot. Jahrb. Syst. 27 (1899) 296. — Type: *O. Beccari 348* (holo FI!), West Papua.

Distribution — West Papua.

Alpinia eubractea K. Schum. — (A)

Alpinia eubractea K. Schum., Pflanzenr. IV, 46 (1904) 353. — Type: *K.F. & P.B. Sarasin 846* (holo B), Sulawesi.

Distribution — Sulawesi.

Alpinia eustales K. Schum. = *Alpinia papuana* Scheff.

Alpinia exostylis K. Schum. = *Alpinia aquatica* (Retz.) Roscoe

Alpinia fimbriata Gagnep. = *Alpinia zerumbet* (Pers.) B.L. Burtt & R.M. Sm.

Alpinia flabellata Ridl. — (A)

Alpinia flabellata Ridl., Philipp. J. Sci., C 4 (1909) 188. — *Languas flabellata* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 231. — Type: *E.D. Merrill 1878* (syn K!), 2226 (syn K!).

Alpinia koidzumiana Kitam., Bot. Mag. (Tokyo) 59 (1946) 36. — Type: *G. Koidzumi s.n.* (KYO).

Distribution — Philippines.

Alpinia flabellata var. **major** Ridl. — (P)

Alpinia flabellata var. *major* Ridl., Philipp. J. Sci., C 4 (1909) 188. — Combination: *Languas flabellata* var. *major* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 231. — Type: *E.A Mearns & J. Hutchinson 4574* (syn), *E.D. Merrill 4458* (syn), *E. Félix 4086* (syn).

Distribution — Philippines.

Alpinia flagellaris (Ridl.) Loes. — (A)

Alpinia flagellaris (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 622. — Basionym: *Eriolopha flagellaris* Ridl., Hooker's Icon. Pl. (1916) t. 3067. — Type: *C.B. Kloss s.n. (28 January 1913)* (holo BM, iso K!), Mount Carstensz.

Distribution — West Papua, Papua New Guinea.

Alpinia flava Ridl. = *Alpinia nieuwenhuizii* Valetton

Alpinia flexistamen K. Schum. = *Alpinia glabra* Ridl.

Alpinia floccosa Valetton = *Pleuranthodium floccosum* (Valetton) R.M. Sm.

Alpinia floribunda K. Schum. = *Pleuranthodium floribundum* (K. Schum.) R.M. Sm.

Alpinia foetens (Blume) D. Dietr. = *Etingera foetens* (Blume) R.M. Sm.

Alpinia foxworthyi Ridl. — (A)

Alpinia foxworthyi Ridl., Philipp. J. Sci., C 4 (1909) 189. — *Languas foxworthyi* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 231. — Type: *F.W. Foxworthy 772* (holo SING!, iso BO!, E!, K), Palawan.

Distribution — Philippines.

Alpinia fraseriana Oliv. = *Alpinia aquatica* (Retz.) Roscoe

Alpinia fusiformis R.M. Sm. — (A)

Alpinia fusiformis R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 34 (1975) 156. — Type: *J.S. Womersley NGF 17732* (holo LAE, iso E!), Western.

Distribution — Papua New Guinea.

Alpinia galanga (L.) Willd. — (A)

Alpinia galanga (L.) Willd., Willd. Sp. pl. 1 (1797) 12. — Basionym: *Maranta galanga* L., Sp. pl., ed. 2, 1 (1762) 3. — *Languas galanga* (L.) Stuntz, U. S. D. A. Bur. Pl. Industr. Bull. 261 (1912) 21. — Type: Herb. amboin. 5: 143, t. 63 (1747).

Heritiera alba Retz., Observ. bot. 6 (1791) 18. — *Alpinia alba* (Retz.) Roscoe, Trans. Linn. Soc. London 8 (1807) 346. — Type: *J.G. König s.n.*, specimen lost.

Alpinia pyramidata Blume, Enum. pl. Javae (1827) 58. — *Languas pyramidata* (Blume) Merr., Enum. Philipp. fl. pl. 1 (1923) 233. — Type: *C.L. von Blume s.n.* (holo L!), Java.

Alpinia carnea Griff., Not. pl. asiat. 3 (1851) 420. — Type: Material not located.

Alpinia viridiflora Griff., Not. pl. asiat. 3 (1851) 423. — Type: Material not located.

Alpinia rheedii Wight, Icon. pl. Ind. orient. 6 (1853) 19, t. 2026. — Type: Material not located.

Alpinia zingiberina Hook. f., Bot. Mag. (1887) t. 6944. — Type: Material not located.

Alpinia bifida Warb., Bot. Jahrb. Syst. 13 (1891) 275. — Type: Material not located.

Distribution — Peninsular Malaysia, Singapore, Sabah, Kalimantan, Philippines.

Alpinia gigantea Blume — (A)

Alpinia gigantea Blume, Enum. pl. Javae (1827) 59. — Type: *C.G.C. Reinwardt s.n.* (syn E!).

Distribution — Moluccas.

Alpinia gigantea Naves = *Alpinia elegans* (C. Presl) K. Schum.

Alpinia gigantifolia (Elmer) R.M. Sm. — (A)

Alpinia gigantifolia (Elmer) R.M. Sm., Edinburgh J. Bot. 47 (1990) 65. — Basionym: *Zingiber gigantifolium* Elmer, Leaf. Philipp. Bot. 8 (1915) 2916. — *Adelmeria gigantifolia* (Elmer) Elmer, Leaf. Philipp. Bot. 8 (1919) 2963. — Type: *A.D.E. Elmer 9282* (iso G!, K!).

Distribution — Philippines.

Alpinia gjellerupii Valetton = *Pleuranthodium gjellerupii* (Valetton) R.M. Sm.

Alpinia glabra Ridl. — (A)

Alpinia glabra Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 168. — *Languas glabra* (Ridl.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — Lectotype: *G.D. Haviland 444* (K, designated by Burt & Smith, 1972, isolecto SAR!), Santubong.

Alpinia angustifolia K. Schum., Bot. Jahrb. Syst. 27 (1899) 279. — *Languas angustifolia* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 33. — Type: *O. Beccari 3602* (holo FI!), Gunung Matang.

Alpinia flexistamen K. Schum., Bot. Jahrb. Syst. 27 (1899) 281. — *Languas flexistamen* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — Type: *O. Beccari 1491* (holo FI!), Gunung Matang.

Distribution — Sarawak, Sabah, Kalimantan.

Alpinia glabra var. **reticulata** R.M. Sm. — (A)

Alpinia glabra var. *reticulata* R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 287. — Type: *J.W. Purseglove 5277* (holo K, iso SING!), Sarawak.

Distribution — Sarawak.

Alpinia glabrescens Ridl. — (A)

Alpinia glabrescens Ridl., Philipp. J. Sci., C 4 (1909) 185. — *Languas glabrescens* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 231. — Type: *E.A. Mearns 3141* (syn US), *E. Fénix 3679* (syn K).

Distribution — Philippines.

Alpinia glacicaerulea R.M. Sm. — (A)

Alpinia glacicaerulea R.M. Sm., Edinburgh J. Bot. 48 (1991) 349. — Type: *M. van Balgooy 3194* (holo L!, iso BO!, E!), Roroka Timbu.

Distribution — Sulawesi.

Alpinia gracillima Valetton — (A)

Alpinia gracillima Valetton, Nova Guinea 8 (1913) 948. — Type: *L.S.A.M. von Römer 763* (syn BO!), *L.S.A.M. von Römer 1108* (syn BO!).

Distribution — West Papua.

Alpinia graminea Ridl. — (A)

Alpinia graminea Ridl., Philipp. J. Sci., C 4 (1909) 189. — *Languas graminea* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 232. — Type: *H.D. Everett 7267*, Negros Occidental, Mt. Silay.

Distribution — Philippines.

Alpinia grandiceps Ridl. = *Alpinia capitellata* Jack

Alpinia grandis K. Schum. = *Alpinia purpurata* (Vieill.) K. Schum.

Alpinia haenkei C. Presl — (A)

Alpinia haenkei C. Presl, Symb. bot. (1832) 66, t. 43. — *Languas haenkei* (C. Presl) Merr., Enum. Philipp. fl. pl. 1 (1923) 232. — *Catimbium haenkei* (C. Presl) M.L. Steiner, Philippine ornamental plants and their care (1960) 206. — Type: *T. Haenke s.n.* (PR!).

Alpinia philippinensis Ridl., Publ. Bur. Sci. Gov. Lab. (1905) 86. — Type: *P.T. Barnes 144* (syn K!), *T.E. Borden 1203* (syn US), *A.D.E. Elmer 6089* (syn K!, P!, SING!).

Distribution — Java, Philippines.

Alpinia hagenae R.M. Sm. — (A)

Alpinia hagenae R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 36 (1978) 284. — Type: *P.F. Stevens LAE 50267* (holo E!), Western Highlands.

Distribution — Papua New Guinea.

Alpinia hansenii R.M. Sm. — (A)

Alpinia hansenii R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 70. — Type: *C. Hansen 439* (holo C!), Gunung Mulu National Park.

Distribution — Sarawak, Sabah.

Alpinia havilandii K. Schum. — (A)

Alpinia havilandii K. Schum., Pflanzenz. IV, 46 (1904) 329. — *Languas havilandii* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — Type: *G.D. Haviland 1233* (iso K!, iso SAR!).

Distribution — Sabah.

Alpinia hellwigii K. Schum. = *Pleuranthodium hellwigii* (K. Schum.) R.M. Sm.

Alpinia hemisphaerica (Blume) D. Dietr. = *Etingera hemisphaerica* (Blume) R.M. Sm.

Alpinia himantoglossa Ridl. — (A)

Alpinia himantoglossa Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 212. — Type: *C.B. Kloss s.n.* (February 1913) (syn BM), *C.B. Kloss s.n.* (27 January 1913) (syn K).

Distribution — West Papua.

Alpinia hookeriana Valetton = *Alpinia latilabris* Ridl.

***Alpinia hulstijnii* Valetton — (A)**

Alpinia hulstijnii Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 5 (1923) 343. — Type: *P. van Hulstijn* 205 (iso L).

Distribution — Moluccas.

Alpinia humilis Teijsm. & Binn. = *Alpinia sumatrana* (Miq.) K. Schum.

Alpinia iboensis Valetton = *Pleuranthodium iboense* (Valetton) R.M. Sm.

***Alpinia illustris* Ridl. — (A)**

Alpinia illustris Ridl., Philipp. J. Sci., C 4 (1909) 185. — *Languas illustris* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 232. — Type: *F.W. Foxworthy* 514 (holo K), Philippines.

Distribution — Philippines.

***Alpinia inaequalis* (Ridl.) Loes. — (A)**

Alpinia inaequalis (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 614. — Basionym: *Psychanthus inaequalis* Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 215. — Type: *C.B. Kloss* s.n. (January 1913) (holo BM, iso E!, K), Mount Carstensz.

Distribution — West Papua.

Alpinia involucrata Griff. = *Alpinia javanica* Blume

Alpinia iriomotensis Masam. = *Alpinia flabellata* Ridl.

***Alpinia janowskii* Valetton — (A)**

Alpinia janowskii Valetton, Nova Guinea 8 (1913) 956. — Type: *R.Fr. Janowski* 176 (holo BO!), West Papua.

Distribution — West Papua.

Alpinia javanica (Blume) D. Dietr. = *Etilingera elatior* (Jack) R.M. Sm.

***Alpinia javanica* Blume — (A)**

Alpinia javanica Blume, Enum. pl. Javae (1827) 59. — *Languas javanica* (Blume) Burkill, Bull. Misc. Inform. (1935) 318. — Type: *H. Kuhl* & *J.C. van Hasselt* s.n. (holo L!), Java.

Alpinia blumei D. Dietr., Syn. pl. 1 (1839) 13. — Type: Material not located.

Alpinia involucrata Griff., Not. pl. asiat. 3 (1851) 422. — Type: Material not located.

Alpinia campanaria Ridl., J. Straits Branch Roy. Asiat. Soc. 86 (1922) 308. — Type: *H.N. Ridley* s.n. (20 December 1920) (holo K), Peninsular Malaysia.

Distribution — Thailand, Peninsular Malaysia, Java, Moluccas.

***Alpinia javanica* var. *colorata* Ridl. — (A)**

Alpinia javanica var. *colorata* Ridl., Fl. Malay Penins. 4 (1924) 283. — Lectotype: *H.N. Ridley* 9697 (K, designated by Turner, 2000), Perak.

Distribution — Peninsular Malaysia.

Alpinia juliformis (Ridl.) R.M. Sm. — (A)

Alpinia juliformis (Ridl.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 65. — Basionym: *Eriolopha juliformis* Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 219. — Type: C.B. Kloss s.n. (1912) (syn E!), s.n. (09 January 1913) (syn BM, K).

Distribution — West Papua, Papua New Guinea.

Alpinia kermesina Ridl. = *Alpinia divaricata* Valeton

Alpinia kiungensis R.M. Sm. — (A)

Alpinia kiungensis R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 34(2) (1975) 163. — Type: H. Streimann & Y. Lelean NGF 34126 (holo E!), Kiunga.

Distribution — Papua New Guinea.

Alpinia klossii (Ridl.) R.M. Sm. — (A)

Alpinia klossii (Ridl.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 65. — Basionym: *Eriolopha klossii* Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 220. — Type: C.B. Kloss s.n. (January 1913) (syn BM), s.n. (22 November 1912) (syn BM).

Distribution — West Papua.

Alpinia koidzumiana Kitam. = *Alpinia flabellata* Ridl.

Alpinia korthalsii K. Schum. = *Alpinia mutica* Roxb.

Alpinia laosensis Gagnep. = *Alpinia conchigera* Griff.

Alpinia latilabris Ridl. — (A)

Alpinia latilabris Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 168. — *Catimbium latilabre* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 153. — Lectotype: H.N. Ridley s.n. (August 1891) (SING, designated by Turner, 2000), Pahang.

Alpinia hookeriana Valeton, Bull. Inst. Bot. Buitenzorg 20 (1904) 81. — *Languas hookeriana* (Valeton) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — Type: T. Valeton s.n. (holo BO, iso P!), Bogor (cultivated in Hortus Bogoriensis).

Alpinia sericea Ridl., J. Linn. Soc., Bot. 42 (1914) 163. — *Languas sericea* (Ridl.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 35. — Type: L.S. Gibbs 3025 (holo BM), Sabah.

Distribution — Peninsular Malaysia, Singapore, Sabah.

Alpinia lauterbachii Valeton — (A)

Alpinia lauterbachii Valeton, Bot. Jahrb. Syst. 52 (1914) 65. — Type: G. Peekel 127 (holo BO!), New Ireland.

Distribution — Bismarck Archipelago.

Alpinia laxiflora Gagnep. = *Alpinia mutica* Roxb.

Alpinia leptosolena K. Schum. = *Leptosolena haenkei* C. Presl

Alpinia leptostachya Valetton — (A)

Alpinia leptostachya Valetton, Nova Guinea 8 (1913) 947. — Type: *G.M. Versteeg 1642* (holo BO!, iso L!), Gunung Resi.

Distribution — West Papua.

Alpinia ligulata K. Schum. — (A)

Alpinia ligulata K. Schum., Bot. Jahrb. Syst. 27 (1899) 275. — *Languas ligulata* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 33. — Lectotype: *O. Beccari 987* (FI!, designated by Sakai & Nagamasu, 2003), Sarawak.

Alpinia reticosa Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 243. — *Languas reticosa* (Ridl.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 35. — Type: *H.N. Ridley s.n. (July 1905)* (holo K), Sarawak.

Distribution — Sarawak, Brunei, Sabah, Kalimantan.

Alpinia longilora Ridl. = *Burbidgea longilora* (Ridl.) R.M. Sm.

Alpinia longipetiolata Elmer = *Alpinia elmeri* R.M. Sm., nom. nov.

Alpinia ludwigiana R.M. Sm. — (A)

Alpinia ludwigiana R.M. Sm., Edinburgh J. Bot. 47 (1990) 64. — *Hellenia bracteata* Blume, Enum. pl. Javae (1827) 60. — *Alpinia blumei* K. Schum., Bot. Jahrb. Syst. 27 (1899) 282. — Type: *C.L. von Blume s.n.* (holo L!), Java.

Distribution — Java.

Alpinia luteocarpa Elmer — (A)

Alpinia luteocarpa Elmer, Leaf. Philipp. Bot. 10 (1939) 3803. — Type: *A.D.E. Elmer 17926* (iso BM, BO!, C!, FI!, G!, L!, P!, U!), Laguna, Mt. Makiling.

Distribution — Philippines.

Alpinia macrantha Scheff. = *Riedelia macrantha* (Scheff.) K. Schum.

Alpinia macrocarpa Gagnep. = *Alpinia oxymitra* K. Schum.

Alpinia macrocarpa Valetton = *Alpinia valettoniana* Loes.

Alpinia macropycnantha Valetton = *Pleuranthodium macropycnanthum* (Valetton) R.M. Sm.

Alpinia macroscaphis K. Schum. — (A)

Alpinia macroscaphis K. Schum., Bot. Jahrb. Syst. 27 (1899) 284. — *Languas macroscaphis* (K. Schum.) Merr., Enum. Philipp. fl. pl. 1 (1923) 232. — Type: *O. Warburg 1888* (holo B), Philippines.

Distribution — Philippines.

Alpinia macrostemon K. Schum. = *Geocharis macrostemon* (K. Schum.) Holttum

Alpinia macrostephana (Baker) Ridl. — (A)

Alpinia macrostephana (Baker) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 175. — Basionym: *Amomum macrostephanum* Baker, Fl. Brit. India 6 (1892) 243. — *Cenolophon macrostephanum* (Baker) Holttum, Gard. Bull. Singapore 13 (1950) 135. — Type: *H.H. Kunstler 1905* (iso SING).

Distribution — Peninsular Malaysia.

Alpinia magnifica Roscoe = *Etingera elatior* (Jack) R.M. Sm.

Alpinia malaccensis (Burm. f.) Roscoe — (A)

Alpinia malaccensis (Burm. f.) Roscoe, Trans. Linn. Soc. London 8 (1807) 345. — Basionym: *Maranta malaccensis* Burm. f., Fl. indica (1768) 2. — *Languas malaccensis* (Burm. f.) Merr., Philipp. J. Sci. 19 (1921) 343. — *Catimbium malaccense* (Burm. f.) Holttum, Gard. Bull. Singapore 13 (1950) 155. — Type: Herb. amboin. 5: 176, t, 71, f. 1 (1747).

Distribution — Peninsular Malaysia.

Alpinia malaccensis var. **nobilis** (Ridl.) I.M. Turner — (A)

Alpinia malaccensis var. *nobilis* (Ridl.) I.M. Turner, Novon 6 (1996) 223. — Basionym: *Alpinia nobilis* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 169. — *Catimbium malaccense* var. *nobilis* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 155. — Lectotype: *H.N. Ridley 4617* (K, designated by Smith, 1990), Singapore.

Distribution — Singapore.

Alpinia manostachys Valetton — (A)

Alpinia manostachys Valetton, Nova Guinea 8 (1913) 949. — Type: *L.S.A.M. von Römer 1152* (holo BO!), Hellwig Mts.

Distribution — West Papua.

Alpinia martinii R.M. Sm. — (A)

Alpinia martinii R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 281. — Type: *B.L. Burt & A.M. Martin 4989* (holo E!, iso SAR!), Hose Mountains.

Distribution — Sarawak.

Alpinia maxii R.M. Sm. — (A)

Alpinia maxii R.M. Sm., Edinburgh J. Bot. 48 (1991) 350. — Type: *M. van Balgooy 3271* (holo L!, iso BO!, E!), Roroka Timbu.

Distribution — Sulawesi.

Alpinia melanocarpa (Teijsm. & Binn.) Ridl. = *Alpinia aquatica* (Retz.) Roscoe

Alpinia melichroa (K. Schum.) K. Schum. — (P), see *Amomum melichroum* K. Schum.

Distribution — Sulawesi.

Alpinia microlophon Ridl. — (A)

Alpinia microlophon Ridl., J. Straits Branch Roy. Asiat. Soc. 54 (1910) 58. — *Languas microlophon* (Ridl.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 35. — Type: *C.J. Brooks s.n.* (September 1908) (holo K!, iso SAR!), Sarawak.

Distribution — Sarawak.

Alpinia minor (Blume) D. Dietr. = *Hornstedtia minor* (Blume) K. Schum.

Alpinia mollis C. Presl — (A)

Alpinia mollis C. Presl, Reliq. haenk. 1(2) (1827) 110. — *Languas mollis* (C. Presl) Merr., Enum. Philipp. fl. pl. 1 (1923) 232. — Type: *T. Haenke s.n.* (syn PR!, PRC!).

Distribution — Philippines.

Alpinia mollissima Ridl. — (A)

Alpinia mollissima Ridl., Fl. Malay Penins. 5 (1925) 339. — *Cenolophon mollissimum* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 138. — Type: *R.E. Holttum 10838* (holo K), Johore.

Distribution — Peninsular Malaysia.

Alpinia molucana Gagnep. = *Alpinia nutans* (L.) Roscoe

Alpinia monopleura K. Schum. — (A)

Alpinia monopleura K. Schum., Pflanzenz. IV, 46 (1904) 361. — Type: *K.F. & P.B. Sarasin 219* (holo B), Sulawesi.

Distribution — Sulawesi, Moluccas.

Alpinia multispica (Ridl.) Loes. — (A)

Alpinia multispica (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 622. — Basionym: *Eriolopha multispica* Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 220. — Type: *C.B. Kloss s.n.* (January 1913) (syn BM), *s.n.* (syn BM).

Distribution — West Papua.

Alpinia murdochii Ridl. — (A)

Alpinia murdochii Ridl., J. Straits Branch Roy. Asiat. Soc. 44 (1905) 196. — Lectotype: *A.M. Burn-Murdoch s.n.* (February 1904) (K, designated by Holttum, 1950), Selangor.

Distribution — Peninsular Malaysia.

Alpinia musaefolia Ridl. — (A)

Alpinia musaefolia Ridl., Leafl. Philipp. Bot. 2 (1909) 604. — *Languas musaefolia* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 232. — Type: *A.D.E. Elmer 9539* (holo K, iso BO!, E!, FI!, G!, GH!, SING!), Philippines, Negros Oriental, Dumaguete.

Alpinia edanoi R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 35 (1977) 200. — Type: *G. Edaña PNH 7132* (holo L!), Negros, Mt. Malbug.

Distribution — Philippines.

Alpinia mutica Roxb. — (A)

- Alpinia mutica* Roxb., *Asiat. Res.* 11 (1810) 354. — *Renealmia mutica* (Roxb.) Salisb., *Trans. Hort. Soc. London* 1 (1812) 280. — *Languas mutica* (Roxb.) Merr., *Univ. Calif. Publ. Bot.* 15 (1929) 35. — *Catimbium muticum* (Roxb.) Holttum, *Gard. Bull. Singapore* 13 (1950) 150. — Type: *Icones Roxburghianae 1929* (CAL).
- Alpinia laxiflora* Gagnep., *Bull. Soc. Bot. France* 48 (1901) LXXXVIII. — *Languas laxiflora* (Gagnep.) Merr., *Univ. Calif. Publ. Bot.* 15 (1929) 34. — Type: *Talmy 233* (syn P), *E. Lefèvre 209* (syn P), *C. Thorel 121* (syn P).
- Alpinia korthalsii* K. Schum., *Pflanzenr.* IV, 46 (1904) 327. — *Languas korthalsii* (K. Schum.) Merr., *Univ. Calif. Publ. Bot.* 15 (1929) 34. — Type: *O. Beccari 3557* (syn FI!), *P.W. Korthals s.n.* (syn L!), *J. Motley 234* (syn K).

Distribution — Peninsular Malaysia, Singapore, Borneo, Kalimantan, Java, Sulawesi.

Alpinia myriocratera K. Schum. — (A)

- Alpinia myriocratera* K. Schum., *Bot. Jahrb. Syst.* 27 (1899) 290. — Type: *O. Beccari s.n.* (November 1874) (holo FI!), Pulau Ternate.

Distribution — Moluccas.

Alpinia neragaimae Gilli = *Pleuranthodium neragaimae* (Gilli) R.M. Sm.

Alpinia nieuwenhuizii Valeton — (A)

- Alpinia nieuwenhuizii* Valeton, *Bull. Inst. Bot. Buitenzorg* 20 (1904) 86. — Type: *A.W. Nieuwenhuis 1362* (holo BO!), Kalimantan.
- Alpinia borneensis* Valeton ex Gagnep., *Bull. Soc. Bot. France* 51 (1905) 448. — *Languas borneensis* (Valeton ex Gagnep.) Merr., *Univ. Calif. Publ. Bot.* 15 (1929) 34. — Type: *Anon. s.n.* (*HB XI B 129*) (holo BO!), Kalimantan.
- Alpinia flava* Ridl., *J. Linn. Soc., Bot.* 42 (1914) 163. — *Languas flava* (Ridl.) Merr., *Univ. Calif. Publ. Bot.* 15 (1929) 34. — Type: *L.S. Gibbs 4011* (holo BM), Sabah.

Distribution — Sarawak, Sabah, Kalimantan.

Alpinia nigra (Gaertn.) B.L. Burt — (A)

- Alpinia nigra* (Gaertn.) B.L. Burt, *Notes Roy. Bot. Gard. Edinburgh* 35 (1977) 213. — Basionym: *Zingiber nigrum* Gaertn., *Fruct. sem. pl.* 1 (1788) 35. — Type: *Fruct. sem. pl.* 1: 35, t. 12 (1788).
- Heritiera allughas* Retz., *Observ. bot.* 6 (1791) 17. — *Hellenia allughas* (Retz.) Willd., *Willd., Sp. pl.* 1(1) (1797) 4. — *Alpinia allughas* (Retz.) Roscoe, *Trans. Linn. Soc. London* 8 (1807) 346. — *Languas allughas* (Retz.) Burkill, *Bull. Misc. Inform.* (1935) 317. — Type: *J.G. König s.n.* (holo C!, iso C!).

Distribution — Thailand.

Alpinia novae-hiberniae B.L. Burt & R.M. Sm. — (A)

- Alpinia novae-hiberniae* B.L. Burt & R.M. Sm., *Notes Roy. Bot. Gard. Edinburgh* 32(1) (1972) 38. — Type: *M.J.S. Sands 857* (holo K, iso E!), New Ireland.

Distribution — Papua New Guinea.

Alpinia novae-pommeraniae K. Schum. — (A)

Alpinia novae-pommeraniae K. Schum., Bot. Jahrb. Syst. 27 (1899) 285. — Type: *F.O. Dahl 131* (syn B), *O. Warburg 16158* (syn B).

Distribution — Papua New Guinea.

Alpinia nutans (L.) Roscoe — (A)

Alpinia nutans (L.) Roscoe, Exot. Bot. 2 (1805) 93. — Basionym: *Globba nutans* L., Mant. pl. (1771) 170. — Type: Herb. amboin. 6: 140, t. 62, 63 (1750).

Alpinia molucana Gagnep., Bull. Soc. Bot. France 48 (1901) XC. — Type: *C. Gaudichaud-Beaupré 101* (holo P!), Pulau Lawak.

Distribution — Moluccas.

Alpinia nutans K. Schum. = *Alpinia oceanica* Burkill, nom. nov.

Alpinia oblonga (Merr.) Loes. — (A)

Alpinia oblonga (Merr.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 620. — Basionym: *Adelmeria oblonga* Merr., Philipp. J. Sci., C 9 (1915) 443. — Type: *M. Vanoverbergh 3108* (holo PNH, P!), Philippines.

Adelmeria albidum Elmer, Leaf. Philipp. Bot. 8 (1919) 2964. — Type: *A.D.E. Elmer 15912* (iso G!, GH!, K!, L!, P!, U!).

Distribution — Philippines.

Alpinia oceanica Burkill — (A)

Alpinia oceanica Burkill, Proc. Cambridge Philos. Soc. 9 (1898) 92., nom. nov. — Basionym: *Alpinia nutans* K. Schum., Fl. Kais. Wilh. Land (1889) 28. — Type: *U.M. Hollrung 844* (iso BO!, K, E!).

Alpinia engleriana K. Schum., Notizbl. Königl. Bot. Gart. Berlin 2(13) (1898) 102. — Type: *F.O. Dahl s.n.* (syn B), 7 (syn B), *F.C. Naumann s.n. (20 July 1875)* (syn B).

Guillainia rechingeri Gagnep., Bull. Soc. Bot. France 55 (1908) 433. — Lectotype: *K. & L. Rechinger 4840* (P, designated by Smith, 1975, isolecto E!, W), Bougainville.

Distribution — Papua New Guinea.

Alpinia odontonema K. Schum. — (A)

Alpinia odontonema K. Schum., Nachtr. Fl. Schutzgeb. Südsee (1905) 65. — Type: *F.R.R. Schlechter 1395* (holo B), Bismarck Archipelago.

Alpinia brevituba Valeton, Nova Guinea 8 (1913) 953. — Type: *L.S.A.M. von Römer 1109* (holo BO!), West Papua, Hellwig Mts.

Distribution — West Papua, Papua New Guinea, Bismarck Archipelago.

Alpinia oligantha Valeton — (A)

Alpinia oligantha Valeton, Nova Guinea 8 (1913) 957. — Type: *G.M. Versteeg 1656* (holo BO!), Sg. Lorentz.

Distribution — West Papua.

Alpinia orchioides K. Schum. = *Riedelia orchioides* (K. Schum.) Valeton

Alpinia orthostachys K. Schum. — (A)

Alpinia orthostachys K. Schum., Pflanzener. IV, 46 (1904) 330. — Type: *K.F. & P.B. Sarasin 687* (holo B).

Distribution — Sulawesi.

Alpinia oxymitra K. Schum. — (A)

Alpinia oxymitra K. Schum., Bot. Tidsskr. 24(3) (1902) 268. — *Cenolophon oxymitrum* (K. Schum.) Holttum, Gard. Bull. Singapore 13 (1950) 134. — Type: *J. Schmidt 798* (holo C, iso K!), Ko Chang.

Alpinia comosa Ridl., nom. illeg., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 170, non Jacq., 1791. — Lectotype: *H.N. Ridley 4443* (K, designated by Holttum, 1950, isolecto SING!), Kedah.

Alpinia macrocarpa Gagnep., Bull. Soc. Bot. France 53 (1906) 136. — Type: *Anon. s.n. (May 1866)* (syn P), *Anon. s.n. (8 January 1864)* (syn P), *Anon. s.n. (1 April 1874)* (syn P), *Anon. s.n. (May 1870)* (syn P), *J.B.L. Pierre s.n. (April 1870)* (syn P), *P. Hahn s.n. (29 February 1896)* (syn P), *A. Godefroy-Lebeuf 769* (syn P).

Distribution — Thailand, Peninsular Malaysia.

Alpinia padacanca Valetton ex K. Heyne — (A)

Alpinia padacanca Valetton ex K. Heyne, De nuttige planten van Nederlandsch-Indië 1 (1922) 530. — *Languas padacanca* (Valetton ex K. Heyne) Burkill, Bull. Misc. Inform. (1935) 318. — Type: *V.M.A. Beguin 988* (holo BO), Sulawesi.

Distribution — Sulawesi.

Alpinia pahangensis Ridl. — (A)

Alpinia pahangensis Ridl., J. Fed. Malay States Mus. 10 (1920) 154. — *Languas pahangensis* (Ridl.) M.R. Hend., Gard. Bull. Straits Settlement. 7 (1933) 125. — Type: *I.H.N. Evans s.n. (July 1917)* (holo K, iso E!), Pahang.

Alpinia burkillii M.R. Hend., Gard. Bull. Straits Settlement. 4 (1927) 55. — Type: *I.H. Burkill 4980* (syn SING!), *I.H. Burkill & M. Haniff 17310* (syn SING!), *I.H. Burkill & M. Haniff 17461* (syn SING!).

Distribution — Peninsular Malaysia.

Alpinia pallida (Blume) D. Dietr. = *Etilingera solaris* (Blume) R.M. Sm.

Alpinia paludosa (Blume) D. Dietr. = *Hornstedtia paludosa* (Blume) K. Schum.

Alpinia papilionacea K. Schum. = *Pleuranthodium papilionaceum* (K. Schum.) R.M. Sm.

Alpinia papuana Scheff. — (A)

Alpinia papuana Scheff., Ann. Jard. Bot. Buitenzorg 1 (1876) 56. — Type: *J.E. Teijsmann s.n. (September 1871)* (holo BO), Sorong.

Alpinia colossea K. Schum., Bot. Jahrb. Syst. 27 (1899) 289. — Type: *O. Beccari 192* (holo FI!), West Papua.

Alpinia eustales K. Schum., Bot. Jahrb. Syst. 27 (1899) 288. — Type: *O. Beccari 251* (holo FI!), West Papua.

Distribution — West Papua.

Alpinia paradoxa (Ridl.) Loes. — (A)

Alpinia paradoxa (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 620. — Basionym: *Hornstedtia paradoxa* Ridl., Publ. Bur. Sci. Gov. Lab. (1905) 85. — Type: A.D.E. Elmer 6629 (holo K), Philippines.

Adelmeria bifida Ridl., nom. illeg., Leafl. Philipp. Bot. 2 (1909) 603.

Elmeria bifida Ridl., nom. illeg., Leafl. Philipp. Bot. 2 (1909) 569.

Distribution — Philippines.

Alpinia pectinata Ridl. = *Alpinia eremochlamys* K. Schum.

Alpinia pedicellata Valeton = *Pleuranthodium pedicellatum* (Valeton) R.M. Sm.

Alpinia peekelii Valeton = *Pleuranthodium peekelii* (Valeton) R.M. Sm.

Alpinia pelecystyla K. Schum. = *Pleuranthodium pelecystylum* (K. Schum.) R.M. Sm.

Alpinia penduliflora Ridl. — (A)

Alpinia penduliflora Ridl., Leafl. Philipp. Bot. 2 (1909) 571. — *Languas penduliflora* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 233. — Type: A.D.E. Elmer 7288 (holo K!, iso BO!, E!, G!, SING!), Leyte.

Distribution — Philippines.

Alpinia petiolata Baker — (A)

Alpinia petiolata Baker, Fl. Brit. India 6 (1892) 255. — *Cenolophon petiolatum* (Baker) Holttum, Gard. Bull. Singapore 13 (1950) 136. — Type: H.H. Kunstler 6357 (iso L!, P!, SING).

Distribution — Peninsular Malaysia.

Alpinia philippinensis Ridl. = *Alpinia haenkei* C. Presl

Alpinia pinetorum (Ridl.) Loes. — (A)

Alpinia pinetorum (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 620. — Basionym: *Elmeria pinetorum* Ridl., Leafl. Philipp. Bot. 2 (1909) 570. — Type: A.D.E. Elmer 8548 (holo K), Philippines.

Distribution — Philippines.

Alpinia pininga (Blume) D. Dietr. = *Hornstedtia pininga* (Blume) Valeton

Alpinia platylopha (Ridl.) Loes. — (A)

Alpinia platylopha (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 622. — Basionym: *Eriolopha platylopha* Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 220. — Type: C.B. Kloss s.n. (17 February 1913) (holo BM), Mount Carstensz.

Distribution — West Papua.

Alpinia platynema K. Schum. = *Pleuranthodium platynema* (K. Schum.) R.M. Sm.

Alpinia plectophylla K. Schum. = *Riedelia macrantha* (Scheff.) K. Schum.

Alpinia polycarpa K. Schum. = *Amomum dimorphum* M.F. Newman, nom. nov.

***Alpinia porphyrea* R.M. Sm. — (A)**

Alpinia porphyrea R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 36 (1978) 287. — Type: *C. Kalkman* 6262 (holo L, iso E!), West Papua.

Distribution — West Papua.

***Alpinia porphyrocarpa* Ridl. — (A)**

Alpinia porphyrocarpa Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 213. — Type: *C.B. Kloss s.n.* (holo K, iso BM), Mount Carstensz.

Distribution — West Papua.

Alpinia pterocalyx K. Schum. = *Riedelia pterocalyx* (K. Schum.) Valetton

Alpinia pterocarpa K. Schum. = *Pleuranthodium pterocarpum* (K. Schum.) R.M. Sm.

***Alpinia ptychanthera* K. Schum. — (A)**

Alpinia ptychanthera K. Schum., Bot. Jahrb. Syst. 27 (1899) 280. — *Languas ptychanthera* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 35. — Type: *O. Beccari* 2450 (holo FI!), Sarawak.

Distribution — Sarawak.

***Alpinia pubiflora* (Benth.) K. Schum. — (A)**

Alpinia pubiflora (Benth.) K. Schum., Pflanzenr. IV, 46 (1904) 313. — Basionym: *Hellenia pubiflora* Benth., London J. Bot. 2 (1843) 235. — *Languas pubiflora* (Benth.) Merr., Enum. Philipp. fl. pl. 1 (1923) 233. — Type: *G.W. Barclay s.n.* (August 1840)(syn K), Pulau Yapen, *R.B. Hinds s.n.* (syn K).

Distribution — Philippines, West Papua.

***Alpinia pulchella* (K. Schum.) K. Schum. — (A)**

Alpinia pulchella (K. Schum.) K. Schum., Bot. Jahrb. Syst. 27 (1899) 276. — Basionym: *Globba pulchella* K. Schum., Fl. Kais. Wilh. Land (1889) 26. — *Languas pulchella* (K. Schum.) Merr., Enum. Philipp. fl. pl. 1 (1923) 233. — Type: *U.M. Hollrung* 368 (holo B), Papua New Guinea.

Distribution — Papua New Guinea.

***Alpinia pulcherrima* Ridl. — (A)**

Alpinia pulcherrima Ridl., J. Fed. Malay States Mus. 4(1) (1909) 79. — *Cenolophon pulcherrimum* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 136. — Lectotype: *H.N. Ridley* 13850 (K, designated by Holttum, 1950), Pahang.

Distribution — Peninsular Malaysia.

***Alpinia pulchra* (Warb.) K. Schum. — (A)**

Alpinia pulchra (Warb.) K. Schum., Pflanzenr. IV, 46 (1904) 348. — Basionym: *Hellwigia pulchra* Warb., Bot. Jahrb. Syst. 13 (1891) 279. — Type: *O. Warburg s.n.* (holo B), Papua New Guinea.

Alpinia stapfiana K. Schum., Pflanzenr. IV, 46 (1904) 347. — Type: *Guppy 103* (iso E!).

Alpinia rechingeri Gagnep., Bull. Soc. Bot. France 55 (1908) 432. — Type: *K. & L. Rechinger 3859* (iso E!).

Distribution — Papua New Guinea.

Alpinia punicea Roxb. = *Etingera punicea* (Roxb.) R.M. Sm.

***Alpinia purpurata* (Vieill.) K. Schum. — (A)**

Alpinia purpurata (Vieill.) K. Schum., Pflanzenr. IV, 46 (1904) 323. — Basionym: *Guillainia purpurata* Vieill., Bull. Soc. Linn. Normandie 10 (1866) 93. — *Languas purpurata* (Vieill.) Kaneh., Fl. micrones. (1933) 412. — Type: *E. Vieillard 1360* (holo P), New Caledonia.

Alpinia grandis K. Schum., Notizbl. Königl. Bot. Gart. Berlin 2(13) (1898) 103. — *Alpinia purpurata* var. *grandis* (K. Schum.) K. Schum., Pflanzenr. IV, 46 (1904) 324. — Type: *C.A.G. Lauterbach 160* (syn B), *F.C. Naumann s.n. (24 July 1875)* (syn B).

Alpinia purpurata var. *albobracteata* K. Schum., Pflanzenr. IV, 46 (1904) 324. — Type: *Guppy 119* (holo K), South Solomon, Shortland Island.

Distribution — Papua New Guinea.

Alpinia purpurata var. *albobracteata* K. Schum. = *Alpinia purpurata* (Vieill.) K. Schum.

Alpinia purpurata var. *grandis* (K. Schum.) K. Schum. = *Alpinia purpurata* (Vieill.) K. Schum.

Alpinia pyramidata Blume = *Alpinia galanga* (L.) Willd.

Alpinia quadriloba Ridl. = *Alpinia aquatica* (Retz.) Roscoe

***Alpinia rafflesiana* Wall. ex Baker — (A)**

Alpinia rafflesiana Wall. ex Baker, Hooker's Icon. Pl. 20 (1891) t. 1963. — *Languas rafflesiana* (Wall. ex Baker) Burkill, Bull. Misc. Inform. (1935) 318. — Type: *N. Wallich 6575* (holo K).

Alpinia aurantiaca Wall. ex Baker, nom. nud., Fl. Brit. India 6 (1892) 255.

Alpinia aurantiaca Ridl., J. Fed. Malay States Mus. 4(1) (1909) 78. — Lectotype: *H.N. Ridley 13896* (K, designated by Turner, 2000), Pahang.

Distribution — Peninsular Malaysia.

***Alpinia rafflesiana* var. *hirtior* (Ridl.) Holttum — (A)**

Alpinia rafflesiana var. *hirtior* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 145. — Basionym: *Alpinia aurantiaca* var. *hirtior* Ridl., Fl. Malay Penins. 4 (1924) 282. — Lectotype: *H.C. Robinson s.n. (20 March 1913)* (K, designated by Turner, 2000), Gunung Kerbau.

Distribution — Peninsular Malaysia.

Alpinia rechingeri Gagnep. = *Alpinia pulchra* (Warb.) K. Schum.

***Alpinia regia* K. Heyne ex R.M. Sm. — (A)**

Alpinia regia K. Heyne ex R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 35 (1977) 203. — Type: *V.M.A. Beguin 1234* (holo L!, iso BO!, E!), Pulau Ternate.

Distribution — Moluccas.

Alpinia reticosa Ridl. = *Alpinia ligulata* K. Schum.

Alpinia rheedii Wight = *Alpinia galanga* (L.) Willd.

Alpinia rigida Ridl. — (A)

Alpinia rigida Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 214. — *Eriolopha rigida* (Ridl.) Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 217. — Type: *C.B. Kloss s.n. (17 January 1913)* (holo BM), West Papua.

Distribution — West Papua.

Alpinia roemeri Valeton = *Pleuranthodium roemeri* (Valeton) R.M. Sm.

Alpinia rolfei K. Schum. = *Plagiostachys rolfei* (K. Schum.) Ridl.

Alpinia romblonensis Elmer — (A)

Alpinia romblonensis Elmer, Leaf. Philipp. Bot. 8 (1915) 2889. — *Languas romblonensis* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 233. — Type: *A.D.E. Elmer 12050* (iso L!, E!).

Distribution — Philippines.

Alpinia romburghiana Valeton — (A)

Alpinia romburghiana Valeton, Bull. Inst. Bot. Buitenzorg 20 (1904) 83. — Type: *Anon. s.n. (Cultivated Hortus Bogoriensis)*, (holo BO).

Alpinia caudata Gagnep., Bull. Soc. Bot. France 51 (1905) 446. — Type: *Anon. s.n.* (BO).

Distribution — Borneo.

Alpinia rosacea Valeton — (A)

Alpinia rosacea Valeton, Nova Guinea 8 (1913) 945. — Type: *G.M. Versteeg 1227* (syn BO! E!, L!, U!), *1655* (syn BO!, E!), *B. Branderhorst 333* (syn BO!), Sg. Lorentz, Gunung Resi.

Distribution — West Papua, Papua New Guinea.

Alpinia rosea Elmer — (A)

Alpinia rosea Elmer, Leaf. Philipp. Bot. 8 (1915) 2890. — *Languas rosea* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 233. — Type: *A.D.E. Elmer 12509* (iso E!, L!).

Distribution — Philippines.

Alpinia rosella Ridl. = *Alpinia aquatica* (Retz.) Roscoe

Alpinia rubella Ridl. = *Alpinia aquatica* (Retz.) Roscoe

Alpinia rubra (Blume) D. Dietr. = *Hornstedtia rubra* (Blume) Valeton

Alpinia rubricaulis K. Schum. — (A)

Alpinia rubricaulis K. Schum., Pflanzenz. IV, 46 (1904) 330. — Type: *K.F. & P.B. Sarasin 202* (holo B), Sulawesi.

Cenolophon rubrum Blume, Enum. pl. Javae (1827) 61. — Neotype: *A.H.G. Alston 15666* (BM, designated by Burt & Smith, 1975), North Sulawesi.

Distribution — Sulawesi.

Alpinia rufa (C. Presl) K. Schum. — (A)

Alpinia rufa (C. Presl) K. Schum., Bot. Jahrb. Syst. 27 (1899) 293. — Basionym: *Hellenia rufa* C. Presl, Reliq. haenk. 1(2) (1827) 114. — *Languas rufa* (C. Presl) Merr., Enum. Philipp. fl. pl. 1 (1923) 234. — Type: *T. Haenke s.n.* (PR!).

Distribution — Philippines.

Alpinia sanderae Sander = *Alpinia vittata* W. Bull

Alpinia sandsii R.M. Sm. — (A)

Alpinia sandsii R.M. Sm., Edinburgh J. Bot. 48 (1991) 347. — Type: *M.J.S. Sands 459* (holo K, iso E!), Latimojong Mountains.

Distribution — Sulawesi.

Alpinia scabra (Blume) Náves — (A)

Alpinia scabra (Blume) Náves, Nov. app. (1880) 226. — Basionym: *Hellenia scabra* Blume, Enum. pl. Javae (1827) 60. — *Languas scabra* (Blume) Burkill, Gard. Bull. Straits Settlement. 6 (1930) 260. — Type: *H. Kuhl & J.C. van Hasselt s.n. (September)* (holo L!), Hariang.

Distribution — Java.

Alpinia schlechteri K. Schum. = *Pleuranthodium schlechteri* (K. Schum.) R.M. Sm.

Alpinia schultzei Lauterb. ex Valetton — (A)

Alpinia schultzei Lauterb. ex Valetton, Bot. Jahrb. Syst. 52 (1914) 69. — Type: *L. Schultze 270* (holo B), West Sepik.

Distribution — Papua New Guinea.

Alpinia scyphonema K. Schum. = *Pleuranthodium scyphonema* (K. Schum.) R.M. Sm.

Alpinia secunda Baker = *Geostachys secunda* (Baker) Ridl.

Alpinia secundiflora Ridl. = *Geocharis secundiflora* (Ridl.) Holttum

Alpinia seimundii Ridl. — (A)

Alpinia seimundii Ridl., J. Straits Branch Roy. Asiat. Soc. 86 (1922) 309. — Type: *E. Seimund s.n. (20 December 1920)* (holo K), Pahang.

Distribution — Peninsular Malaysia.

Alpinia sericea Ridl. = *Alpinia latilabris* Ridl.

Alpinia sericiflora K. Schum. — (A)

Alpinia sericiflora K. Schum., Bot. Jahrb. Syst. 27 (1899) 294. — Type: *O. Beccari 7* (holo FI!), Bismarck Archipelago.

Distribution — Bismarck Archipelago.

Alpinia sessilis J. König = *Kaempferia galanga* L.

Alpinia seticalyx (Ridl.) Loes. = *Alpinia strobilacea* K. Schum.

***Alpinia sibuyanensis* Elmer — (A)**

Alpinia sibuyanensis Elmer, Leaflet Philipp. Bot. 8 (1915) 2891. — *Languas sibuyanensis* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 234. — Type: A.D.E. Elmer 12316 (iso BO!, E!, FI!, G!), Sibuyan, Mt. Guiting-guiting, Magallanes.

Distribution — Philippines.

***Alpinia singuliflora* R.M. Sm. — (A)**

Alpinia singuliflora R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 36 (1978) 279. — Type: J.R. Croft LAE 60850 (holo E!), Southern Highlands.

Distribution — Papua New Guinea.

Alpinia solaris (Blume) D. Dietr. = *Etilingera solaris* (Blume) R.M. Sm.

Alpinia speciosa (Blume) D. Dietr. = *Etilingera elatior* (Jack) R.M. Sm.

Alpinia squarrosa Gilli = *Alpinia stenobracteolata* R.M. Sm.

Alpinia stapfiana K. Schum. = *Alpinia pulchra* (Warb.) K. Schum.

***Alpinia stenobracteolata* R.M. Sm. — (A)**

Alpinia stenobracteolata R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 36 (1978) 291. — Type: A.N. Millar NGF 37800 (holo LAE, iso E!) Chimbu.

Alpinia squarrosa Gilli, Ann. Naturhist. Mus. Wien, B 84 (“1980”) (1983) 44. — Type: A. Gilli 543 (holo W), Papua New Guinea.

Distribution — Papua New Guinea.

***Alpinia stenostachys* K. Schum. — (P)**

Alpinia stenostachys K. Schum., Bot. Jahrb. Syst. 27 (1899) 289. — Type: C.A.G. Lauterbach 516 (holo B), Sattelburg.

Distribution — Papua New Guinea.

***Alpinia strobilacea* K. Schum. — (A)**

Alpinia strobilacea K. Schum., Bot. Jahrb. Syst. 27 (1899) 295. — Type: O. Beccari 522 (holo FI!), West Papua.

Eriolopha seticalyx Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 221. — *Alpinia seticalyx* (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 620. — Type: C.B. Kloss s.n. (November 1912) (holo K), Mount Carstensz.

Distribution — West Papua.

Alpinia strobilifera Baker = *Plagiostachys strobilifera* (Baker) Ridl.

Alpinia subfuscarpa Elmer — (A)

Alpinia subfuscarpa Elmer, Leaf. Philipp. Bot. 8 (1915) 2892. — *Languas subfuscarpa* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 234. — Type: *A.D.E. Elmer 10506* (iso BM, BO!, G!, GH!, U!), Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Alpinia submutica K. Schum. — (P)

Alpinia submutica K. Schum., Bot. Jahrb. Syst. 27 (1899) 280. — Type: *J.E. Teijsmann 2040* (holo BO!).

Distribution — Java.

Alpinia subspicata Valeton — (A)

Alpinia subspicata Valeton, Bot. Jahrb. Syst. 52 (1914) 65. — Type: *F.R.R. Schlechter 16990* (holo BO), Papua New Guinea.

Distribution — Papua New Guinea.

Alpinia subverticillata Valeton — (A)

Alpinia subverticillata Valeton, Nova Guinea 8 (1913) 950. — Type: *G.M. Versteeg 1416* (syn BO!, L), *1606* (syn BO!, K).

Distribution — West Papua, Papua New Guinea.

Alpinia sumatrana (Miq.) K. Schum. — (A)

Alpinia sumatrana (Miq.) K. Schum., Bot. Jahrb. Syst. 27 (1899) 291. — Basionym: *Strobidia sumatrana* Miq., Fl. Ned. Ind., Eerste bijv. (1861) 614. — *Languas sumatrana* (Miq.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 35. — Type: *J.E. Teijsmann 4436* (holo U!, iso BO!, K), Sumatra.

Alpinia humilis Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 24 (1862) 327. — Type: Material not located.

Distribution — Sumatra.

Alpinia superba (Ridl.) Loes. — (A)

Alpinia superba (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 622. — Basionym: *Guillainia superba* Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 216. — Lectotype: *C.B. Kloss s.n. (24 January 1913)* (BM, designated by Turner, 2000), Mount Carstensz.

Distribution — West Papua.

Alpinia tamacuensis R.M. Sm. — (A)

Alpinia tamacuensis R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 71. — Type: *G.C.G. Argent & B. Coppins 1171* (holo E!, iso L!), Gunung Mulu National Park.

Distribution — Sarawak.

Alpinia tephrochlamys Lauterb. & K. Schum. = *Pleuranthodium tephrochlamys* (Lauterb. & K. Schum.) R.M. Sm.

Alpinia tephrochlamys var. *aspericaulis* Lauterb. & K. Schum. = *Pleuranthodium tephrochlamys* (Lauterb. & K. Schum.) R.M. Sm.

Alpinia tomentosa (Blume) D. Dietr. = *Hornstedtia tomentosa* (Blume) Bakh. f.

Alpinia trachyascus K. Schum. — (A)

Alpinia trachyascus K. Schum., Pflanzenr. IV, 46 (1904) 336. — *Languas trachyascus* (K. Schum.) Merr., Enum. Philipp. fl. pl. 1 (1923) 234. — Type: *O. Warburg 14584* (holo B).

Distribution — Philippines.

Alpinia trichocalyx Valetton = *Pleuranthodium trichocalyx* (Valetton) R.M. Sm.

Alpinia tricolor Sander = *Alpinia vittata* W. Bull

Alpinia tristachya (Ridl.) Loes. — (A)

Alpinia tristachya (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 622. — Basionym: *Eriolopha tristachya* Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 218. — Type: *C.B. Kloss s.n. (1912)* (syn E!), *C.B. Kloss s.n. (17 January 1913)* (syn BM, K, SING).

Distribution — West Papua, Papua New Guinea.

Alpinia uwiformis (L.) Horan. = *Plagiostachys uwiformis* (L.) Loes.

Alpinia valettoniana Loes. — (A)

Alpinia valettoniana Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 622. — *Alpinia macrocarpa* Valetton, Nova Guinea 8 (1913) 944, non Gagnep., 1906. — Type: *B. Branderhorst 365* (syn BO!, L!), *L.S.A.M. von Römer 538* (syn BO), *G.M. Versteeg 1270* (syn BO!, L!, U!), *1284* (syn BO), near Sabang and Alkmaar.

Distribution — West Papua.

Alpinia vanoverberghii Merr. — (A)

Alpinia vanoverberghii Merr., Philipp. J. Sci., C 7 (1912) 75. — *Languas vanoverberghii* (Merr.) Merr., Enum. Philipp. fl. pl. 1 (1923) 234. — Type: *M. Vanoverbergh 573* (iso E!, K).

Distribution — Philippines.

Alpinia velveta R.M. Sm. — (A)

Alpinia velveta R.M. Sm., Edinburgh J. Bot. 47 (1990) 63., nom. nov. — Basionym: *Kolowratia velutina* P. Royen, The Alpine Flora of New Guinea 2 (1979) 887. — Type: *L.J. Brass 30553* (holo L!, iso E!), Eastern Highlands.

Distribution — Papua New Guinea.

Alpinia versicolor K. Schum. — (A)

Alpinia versicolor K. Schum., Pflanzenr. IV, 46 (1904) 332. — *Cenolophon versicolor* (K. Schum.) B.L. Burt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 311. — Type: *O. Warburg 15735* (syn B), *K.F. & P.B. Sarasin 229* (syn B).

Distribution — Sulawesi.

Alpinia viridiflora Griff. = *Alpinia galanga* (L.) Willd.

***Alpinia vitellina* (Lindl.) Ridl. — (A)**

Alpinia vitellina (Lindl.) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 173. — Basionym: *Aromum vitellinum* Lindl., J. Hort. Soc. London 2 (1847) 245. — *Cenolophon vitellinum* (Lindl.) Horan., Prodr. Monogr. Scitam. (1862) 36. — *Cardamomum vitellinum* (Lindl.) Kuntze, Revis. gen. pl. 2 (1891) 687. — *Languas vitellina* (Lindl.) Alston, Handb. fl. Ceylon 6 (1931) 282. — Type: *J. Lindley s.n.* (holo K), Penang.

Alpinia wrayi King ex Baker, Fl. Brit. India 6 (1892) 254. — Type: *H.H. Kunstler s.n.* (K).

Distribution — Peninsular Malaysia.

***Alpinia vitellina* var. *cannifolia* (Ridl.) I.M. Turner — (A)**

Alpinia vitellina var. *cannifolia* (Ridl.) I.M. Turner, Novon 6 (1996) 223. — Basionym: *Alpinia cannifolia* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 174. — *Languas cannifolia* (Ridl.) Burkill, Bull. Misc. Inform. (1935) 318. — Lectotype: *H.N. Ridley s.n.* (K, designated by Smith, 1990, isolecto SING!), Selangor.

Distribution — Peninsular Malaysia.

***Alpinia vittata* W. Bull — (A)**

Alpinia vittata W. Bull, A retail list of new, beautiful and rare plants 83 (1873) 4. — *Guillainia vittata* (W. Bull) Ridl., J. Bot. 75 (1937) 203. — Type: *Micholitz s.n.* (holo K), New Ireland.

Alpinia sanderæ Sander, Gard. Chron. ser. 3, 33 (1903) 245. — Type: *Anon. s.n.* (K).

Alpinia tricolor Sander, Gard. Chron. ser. 3, 33 (1903) 245. — Type: Material not located.

Distribution — Papua New Guinea.

***Alpinia vulcanica* Elmer — (A)**

Alpinia vulcanica Elmer, Leaf. Philipp. Bot. 8 (1919) 2971. — *Languas vulcanica* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 234. — Type: *A.D.E. Elmer 16168* (holo PNH, iso BO!, GH!), Sorsogon, Irosin, Mt. Bulusan.

Distribution — Philippines.

Alpinia walang (Blume) D. Dietr. = *Etlingeria walang* (Blume) R.M. Sm.

***Alpinia warburgii* K. Schum. — (A)**

Alpinia warburgii K. Schum., Pflanzenr. IV, 46 (1904) 330. — Type: *O. Warburg 15763* (holo B), Sulawesi.

Distribution — Sulawesi.

***Alpinia wenzelii* Merr. — (A)**

Alpinia wenzelii Merr., Philipp. J. Sci., C 9 (1914) 353. — *Languas wenzelii* (Merr.) Merr., Enum. Philipp. fl. pl. 1 (1923) 235. — Type: *C.A. Wenzel 623* (iso BM, E!), Leyte.

Distribution — Philippines.

***Alpinia wernerii* Lauterb. ex Valetton — (A)**

Alpinia wernerii Lauterb. ex Valetton, Bot. Jahrb. Syst. 52 (1914) 69. — Type: *F.R.R. Schlechter 17654* (syn E!), *E. Werner 170* (syn BO).

Distribution — Papua New Guinea.

Alpinia womersleyi R.M. Sm. — (A)

Alpinia womersleyi R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 36 (1978) 285. — Type: *J.S. Womersley, J. Vandenburg & M. Galore NGF 37268* (holo LAE, iso E!), Western Highlands.

Distribution — Papua New Guinea.

Alpinia wrayi King ex Baker = *Alpinia vitellina* (Lindl.) Ridl.

Alpinia zerumbet (Pers.) B.L. Burtt & R.M. Sm. — (A)

Alpinia zerumbet (Pers.) B.L. Burtt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 204. — Basionym: *Zerumbet speciosum* J.C. Wendl., Sert. hannov. 1 (1798) 3, t. 19. — *Costus zerumbet* Pers., nom. nov., Syn. pl. 1 (1805) 3. — *Alpinia speciosa* (J.C. Wendl.) K. Schum., nom. illeg., Fl. Kais. Wilh. Land (1889) 29. — *Languas speciosa* (J.C. Wendl.) Small, Fl. s. e. U. S. 2 (1913) 307. — *Catimbium speciosum* (J.C. Wendl.) Holttum, Gard. Bull. Singapore 13 (1950) 152. — Type: *J.C. Wendland s.n.* (GOET).

Alpinia schumanniana Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 84. — *Languas schumanniana* (Valetton) Sasaki, Trans. Nat. Hist. Soc. Taiwan 14 (1924) 23. — Type: *T. Valetton s.n.* (holo BO), Taiwan.

Alpinia fimbriata Gagnep., Bull. Soc. Bot. France 51 (1905) 447. — Type: *Anon. s.n.* (*HB XI B 4*) (BO).

Alpinia fluvialis Hayata, Ic. pl. formos. 5 (1915) 227. — Type: Material not located.

Distribution — Peninsular Malaysia.

Alpinia zingiberina Hook. f. = *Alpinia galanga* (L.) Willd.

Amomum Roxb. — (A)

Amomum Roxb., Pl. Coromandel 3 (1820) 75., nom. cons. — Type species: *Amomum subulatum* Roxb.

Cardamomum Kuntze, Revis. gen. pl. 2 (1891) 685, p.p. — Type species: Not designated.

Paramomum S.Q. Tong, Acta Bot. Yunnan. 7 (1985) 309. — Type species: *Paramomum petaloideum* S.Q. Tong.

Revision status — **B**: Smith (1985).

Distribution — Sumatra, Peninsular Malaysia, Sarawak, Brunei, Sabah, Kalimantan, Java, Philippines, Sulawesi, West Papua, Papua New Guinea, Bismarck Archipelago.

Amomum acre Valetton — (P)

Amomum acre Valetton in Merr., Interpr. Herb. amboin. (1917) 158. — Type: Herb. amboin. 6: 140 (1750).

Distribution — Sulawesi.

Amomum aculeatum Roxb. — (A)

Amomum aculeatum Roxb., Asiat. Res. 11 (1810) 344. — *Cardamomum aculeatum* (Roxb.) Kuntze, Revis. gen. pl. 2 (1891) 686. — Type: *Icones Roxburghianae 1763* (CAL).

Amomum ciliatum Blume, Enum. pl. Javae (1827) 49. — *Cardamomum ciliatum* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 686. — Type: *Anon. s.n.* (L).

Amomum flavum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 133. — Lectotype: *C. Curtis* 2275 (SING!), designated by Holttum, 1950), Penang.

Distribution — Peninsular Malaysia, Java, West Papua.

***Amomum aculeatum* var. *gymnocarpa* Valeton — (P)**

Amomum aculeatum var. *gymnocarpa* Valeton, Nova Guinea 8 (1913) 926. — Type: *G.M. Versteeg* 1074 (holo BO!), Sg. Lorentz.

Distribution — West Papua.

***Amomum aculeatum* var. *macrocarpa* Valeton — (P)**

Amomum aculeatum var. *macrocarpa* Valeton, Nova Guinea 8 (1913) 927. — Type: *G.M. Versteeg* 1955 (holo BO!), Merauke.

Distribution — West Papua.

***Amomum alborubellum* K. Schum. & Lauterb. — (P)**

Amomum alborubellum K. Schum. & Lauterb., Fl. Schutzgeb. Südsee (1900) 230. — Type: *C.A.G. Lauterbach* 2545 (holo B), East Sepik/Madang, Ramu River.

Distribution — Papua New Guinea.

***Amomum angustipetalum* S. Sakai & Nagam. — (A)**

Amomum angustipetalum S. Sakai & Nagam., Edinburgh J. Bot. 55 (1998) 49. — Type: *S. Sakai* 192 (holo KYO), Lambir Hills National Park.

Distribution — Sarawak.

***Amomum anomalum* R.M. Sm. — (A)**

Amomum anomalum R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 61. — Type: *C. Hansen* 368 (holo C!), Gunung Mulu National Park.

Distribution — Sarawak, Sabah.

Amomum anthodioides (Teijsm. & Binn.) Koord. = *Etlingera hemisphaerica* (Blume) R.M. Sm.

***Amomum apiculatum* K. Schum. — (P)**

Amomum apiculatum K. Schum., Bot. Jahrb. Syst. 27 (1899) 315. — Type: *O. Beccari* 513 (holo FI!), Ayer Mancior.

Distribution — Sumatra.

***Amomum aurantiacum* Ridl. — (P)**

Amomum aurantiacum Ridl., J. Fed. Malay States Mus. 10 (1920) 153. — Type: *H.N. Ridley s.n.* (holo K), Peninsular Malaysia.

Distribution — Peninsular Malaysia.

Amomum bicorniculatum K. Schum. — (A)

Amomum bicorniculatum K. Schum., Pflanzenr. IV, 46 (1904) 229. — *Geanthus bicorniculatus* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 593. — Type: *P.W. Korthals s.n.* (L).

Distribution — Kalimantan.

Amomum bicornutum Ridl. — (P)

Amomum bicornutum Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 210. — Type: *C.B. Kloss s.n.* (13 January 1913) (holo BM), West Papua.

Distribution — West Papua.

Amomum biflorum Jack — (A)

Amomum biflorum Jack, Descriptions of Malayan plants 1(1) (1820) 2. — *Cardamomum biflorum* (Jack) Kuntze, Revis. gen. pl. 2 (1891) 686. — Type: *W. Jack s.n.*, specimen lost.

Elettariopsis pubescens Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 155. — Lectotype: *C. Curtis 2276* (SING!, designated by Turner, 2000), Penang.

Elettariopsis schmidtii K. Schum., Bot. Tidsskr. 24 (1902) 269. — *Cyphostigma schmidtii* (K. Schum.) K. Schum., Pflanzenr. IV, 46 (1904) 274. — Type: *J. Schmidt s.n.* (holo C), Ko Chang.

Distribution — Sumatra, Peninsular Malaysia.

Amomum bilabiatum S. Sakai & Nagam. — (A)

Amomum bilabiatum S. Sakai & Nagam., Edinburgh J. Bot. 55 (1998) 57. — Type: *B.L. Burt 11590* (holo E!), Lambir Hills National Park.

Distribution — Sarawak.

Amomum blumeanum Valetton — (P)

Amomum blumeanum Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 2 (1920) 354. — Type: *C.A. Backer 10148* (syn BO!), *J.C. van Hasselt s.n.* (syn L), *R.H.C.C. Scheffer s.n.* (syn BO).

Distribution — Java.

Amomum borealiborneense I.M. Turner — (A)

Amomum borealiborneense I.M. Turner, Sandakania 12 (1998) 25., nom. nov. — Basionym: *Amomum sylvestre* Ridl., nom. illeg., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 236, non Lam. 1783. — *Amomum ridleyi* R.M. Sm., nom. illeg., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 311, non Baker 1892. — Lectotype: *H.N. Ridley s.n. (1903)* (SING!, designated by Turner, 1998b), Kuching.

Distribution — Sarawak.

Amomum borneense (K. Schum.) R.M. Sm. — (A)

Amomum borneense (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 45 (1989) 337. — Basionym: *Zingiber borneense* K. Schum., Pflanzenr. IV, 46 (1904) 178. — Lectotype: *G.D. Haviland 1855* (K, designated by Smith, 1989b, isolecto SAR!), Kuching.

Distribution — Sarawak.

Amomum botryoideum Cowley — (A)

Amomum botryoideum Cowley, Kew Bull. 55 (2000) 674. — Type: *M.J.E. Coode* 7878 (holo K, iso BRUN).

Distribution — Brunei.

Amomum brachytilus K. Schum. — (P)

Amomum brachytilus K. Schum., Pflanzenr. IV, 46 (1904) 228. — Type: *K.F. & P.B. Sarasin* 880 (holo B).

Distribution — Sulawesi.

Amomum brachypodanthum K. Schum. — (P)

Amomum brachypodanthum K. Schum., Pflanzenr. IV, 46 (1904) 233. — Combination: *Geanthus brachypodanthus* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 593. — Type: *K.F. & P.B. Sarasin* 414a (holo B), North Sulawesi.

Distribution — Sulawesi.

Amomum bulusanense Elmer — (P)

Amomum bulusanense Elmer, Leaf. Philipp. Bot. 8 (1919) 2973. — Type: *A.D.E. Elmer* 16395 (iso BO!, C!, G!, GH!, L!, MICH, U!), Sorsogon, Mt. Bulusan, Irosin.

Distribution — Philippines.

Amomum burtii R.M. Sm. — (A)

Amomum burtii R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 301. — Type: *B.L. Burt* 12881 (holo E!, iso SAR!), Hose Mountains.

Distribution — Sarawak.

Amomum calophrys K. Schum. — (P)

Amomum calophrys K. Schum., Pflanzenr. IV, 46 (1904) 228. — Type: *K.F. & P.B. Sarasin* 419 (holo B), North Sulawesi.

Distribution — Sulawesi.

Amomum calyptratum S. Sakai & Nagam. — (A)

Amomum calyptratum S. Sakai & Nagam., Edinburgh J. Bot. 55 (1998) 52. — Type: *S. Sakai* 156 (holo KYO), Lambir Hills National Park.

Distribution — Sarawak.

Amomum cassumunar (Roxb.) Donn = *Zingiber montanum* (J. König) A. Dietr.

Amomum centrocephalum A.D. Poulsen — (A)

Amomum centrocephalum A.D. Poulsen, Blumea 48 (2003) 524, nom. nov. — Basionym: *Geanthus echinatus* Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 143. — Type: *H.A.B. Bünnemeyer* 666 (holo BO!), Gunung Talaman (“Ophir”).

Distribution — Sumatra.

Amomum cephalotes Ridl. — (A)

Amomum cephalotes Ridl., J. Fed. Malay States Mus. 10 (1920) 154. — Type: *I.H.N. Evans 13117* (holo K, iso SING!), Pahang.

Distribution — Peninsular Malaysia.

Amomum cerasinum Ridl. — (A)

Amomum cerasinum Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 237. — Type: *H.N. Ridley 12421* (holo K), Gunung Matang.

Distribution — Sarawak.

Amomum chaunocephalum K. Schum. — (P)

Amomum chaunocephalum K. Schum., Pflanzenz. IV, 46 (1904) 237. — Type: *C.A.G. Lauterbach s.n.* (holo B), Kaiser Wilhelmsland.

Distribution — Papua New Guinea.

Amomum chrysocalyx K. Schum. = *Etingera solaris* (Blume) R.M. Sm.

Amomum ciliatum Blume = *Amomum aculeatum* Roxb.

Amomum citrinum (Ridl.) Holttum — (A)

Amomum citrinum (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 207. — Basionym: *Conamomum citrinum* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 121. — Lectotype: *H.N. Ridley 2959* (K, designated by Turner, 2000), Perak.

Amomum cylindrostachys Ridl., J. Straits Branch Roy. Asiat. Soc. 61 (1912) 42. — Type: *H.N. Ridley 15614* (holo SING!), Selangor.

Distribution — Peninsular Malaysia.

Amomum coccineum (Blume) K. Schum. = *Etingera coccinea* (Blume) S. Sakai & Nagam.

Amomum conoideum (Ridl.) Elmer — (P), see *Hornstedtia conoidea* Ridl.

Distribution — Philippines.

Amomum coriaceum R.M. Sm. — (A)

Amomum coriaceum R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 61., nom. nov. — Basionym: *Alpinia cylindrostachys* K. Schum., Bot. Jahrb. Syst. 27 (1899) 299. — *Languas cylindrostachys* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — Type: *O. Beccari 2162, 2947* (syn FI!).

Distribution — Sarawak.

Amomum curcuma Jacq. = *Curcuma longa* L.

Amomum cylindraceum Ridl. — (A)

Amomum cylindraceum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 136. — Lectotype: *H.N. Ridley s.n.* (January 1897) (K, designated by Turner, 2000), Perak.

Distribution — Peninsular Malaysia.

Amomum cylindrostachys Ridl. = *Amomum citrinum* (Ridl.) Holttum

Amomum dalican (Elmer) Merr. = *Etilingera dalican* (Elmer) A.D. Poulsen

Amomum deuteramomum K. Schum. — (P)

Amomum deuteramomum K. Schum., Bot. Jahrb. Syst. 27 (1899) 313. — Type: *O. Warburg 15737* (holo B), Mindanao.

Distribution — Philippines.

Amomum dictyocoleum K. Schum. — (A)

Amomum dictyocoleum K. Schum., Bot. Jahrb. Syst. 27 (1899) 312. — *Geanthus dictyocoleus* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 592. — Type: *O. Beccari 799* (holo FI!, iso K), Kuching.

Distribution — Sarawak.

Amomum dimorphum M.F. Newman — (A)

Amomum dimorphum M.F. Newman, Edinburgh J. Bot. 58 (2001) 173., nom. nov. — Basionym: *Alpinia polycarpa* K. Schum., Bot. Jahrb. Syst. 27 (1899) 298. — *Languas polycarpa* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 35. — *Plagiostachys polycarpa* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 627. — *Amomum polycarpum* (K. Schum.) R.M. Sm., nom. illeg., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 300. — Type: *O. Beccari 3729* (holo FI!, iso K), 4th Division, Tuboa Bintulu.

Distribution — Sarawak.

Amomum durum S. Sakai & Nagam. — (A)

Amomum durum S. Sakai & Nagam., Edinburgh J. Bot. 55 (1998) 55. — Type: *S. Sakai 191* (holo KYO), Lambir Hills National Park.

Distribution — Sarawak.

Amomum elatterioides Baker — (P)

Amomum elatterioides Baker, Fl. Brit. India 6 (1892) 240. — Type: *W. Griffith s.n.* (holo K), Malacca.

Distribution — Peninsular Malaysia.

Amomum elegans Ridl. — (P)

Amomum elegans Ridl., Publ. Bur. Sci. Gov. Lab. (1905) 84. — Type: *H.N. Whitford 207* (syn SING!), *300* (syn PNH).

Distribution — Philippines.

Amomum elongatum K. Schum. — (P)

Amomum elongatum K. Schum., Bot. Jahrb. Syst. 27 (1899) 303. — Combination: *Hornstedtia elongata* (K. Schum.) K. Schum., Pflanzenz. IV, 46 (1904) 192. — Type: *C.L. von Blume s.n.* (L).

Distribution — Java.

Amomum epiphyticum R.M. Sm. — (P)

Amomum epiphyticum R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 45 (1989) 338. — Type: *P.S. Ashton S 19067* (holo K, iso SAR!), Hose Mountains.

Distribution — Sarawak.

Amomum filiforme W. Hunter = *Hedychium chrysoleucum* Hook.

Amomum fimbriobracteatum K. Schum. = *Etingera fimbriobracteata* (K. Schum.) R.M. Sm.

Amomum flavidulum Ridl. — (P)

Amomum flavidulum Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 236. — Type: *H.N. Ridley 11802* (holo SING!, iso K), Gunung Matang.

Distribution — Sarawak.

Amomum flavoalbum R.M. Sm. — (A)

Amomum flavoalbum R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 310. — Type: *B.L. Burt & A.M. Martin B 5283* (holo E!), 4th/5th Division boundary, Bakelalan to Gunung Murud.

Distribution — Sarawak.

Amomum flavorubellum Lauterb. & K. Schum. — (P)

Amomum flavorubellum Lauterb. & K. Schum., Fl. Schutzgeb. Südsee (1900) 229. — Type: *C.A.G. Lauterbach 2735* (holo B), East Sepik/Madang, Ramu River.

Distribution — Papua New Guinea.

Amomum flavum Ridl. = *Amomum aculeatum* Roxb.

Amomum fusiforme Ridl. = *Geocharis fusiformis* (Ridl.) R.M. Sm.

Amomum gomphocheilos Baker = *Etingera punicea* (Roxb.) R.M. Sm.

Amomum gracile Blume — (P)

Amomum gracile Blume, Enum. pl. Javae (1827) 49. — Type: *C.L. von Blume s.n.* (holo L!).

Distribution — Java.

Amomum gracilipes K. Schum. — (P)

Amomum gracilipes K. Schum., Pflanzenr. IV, 46 (1904) 252. — Type: *P.W. Korthals s.n.* (L).

Distribution — Kalimantan.

Amomum grandiligulatum K. Schum. = *Etingera grandiligulata* (K. Schum.) R.M. Sm.

Amomum gymnopodum K. Schum. — (P)

Amomum gymnopodum K. Schum., Pflanzenr. IV, 46 (1904) 244. — Type: *K.F. & P.B. Sarasin 837* (holo B), South Sulawesi.

Distribution — Sulawesi.

Amomum gyrolophos R.M. Sm. — (A)

Amomum gyrolophos R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 305. — Type: *B.L. Burt & A.M. Martin B 4756* (holo E!, iso SAR!), Semengoh Forest Reserve.

Distribution — Sarawak.

Amomum hansenii R.M. Sm. — (A)

Amomum hansenii R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 303. — Type: *C. Hansen 656* (holo C!, iso SAR!), Ulu Sungai Belaga.

Distribution — Sarawak.

Amomum harmsii K. Schum. = *Hornstedtia rubra* (Blume) Valetton

Amomum hastilabium Ridl. — (A)

Amomum hastilabium Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 137. — Lectotype: *L. Wray 3476* (SING!, designated by Turner, 2000), Perak.

Distribution — Peninsular Malaysia.

Amomum havilandii K. Schum. = *Hornstedtia havilandii* (K. Schum.) K. Schum.

Amomum hedyosmum I.M. Turner — (A)

Amomum hedyosmum I.M. Turner, Asian Journal of Tropical Biology 4 (2000) 18., nom. nov. — Basionym: *Amomum trilobum* Ridl., nom. illeg., Publ. Bur. Sci. Gov. Lab. (1905) 85. — Type: *F.H. Bolster 67* (holo K, iso US), Province of Pampanga, Mt. Arayat.

Distribution — Philippines.

Amomum heliconiifolium K. Schum. = *Etingera heliconiifolia* (K. Schum.) A.D. Poulsen

Amomum hemisphaericum (Blume) K. Schum. = *Etingera hemisphaerica* (Blume) R.M. Sm.

Amomum hewittii Ridl. — (P)

Amomum hewittii Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 238. — Type: *H.N. Ridley s.n.* (syn), Gunung Matang, *J. Hewitt s.n.* (syn), Santubong.

Distribution — Sarawak.

Amomum heynianum (Valeton) Bakh. f. = *Etingera heyniana* (Valeton) R.M. Sm.

Amomum hochreutineri Valeton — (P)

Amomum hochreutineri Valeton, Icon. Bogor. 2 (1906) t. 195. — Type: *B.P.G. Hochreutiner s.n.* (holo BO), West Java, Gunung Salak, Gunung Gede & Gunung Malabar.

Distribution — Java.

Amomum holttumii Ridl. — (P)

Amomum holttumii Ridl., Fl. Malay Penins. 4 (1924) 264. — Type: *R.E. Holttum SFN 9559* (holo K), Negeri Sembilan.

Distribution — Peninsular Malaysia.

Amomum irosinense (Elmer) Merr. — (P), see *Hornstedtia irosinensis* Elmer

Distribution — Philippines.

Amomum kandariense K. Schum. — (P)

Amomum kandariense K. Schum., Bot. Jahrb. Syst. 27 (1899) 323. — Combinations: *Cyphostigma kandariense* (K. Schum.) K. Schum., Pflanzenr. IV, 46 (1904) 273. — *Elettariopsis kandariensis* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 603. — Type: *O. Beccari s.n.* (July 1874) (holo FI!), Southeast Sulawesi.

Distribution — Sulawesi.

Amomum kinabaluense R.M. Sm. — (P)

Amomum kinabaluense R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 233. — Type: *R.M. Smith 16/86* (holo E!), Mount Kinabalu National Park.

Distribution — Sabah.

Amomum labellosum K. Schum. = *Etilingera labellosa* (K. Schum.) R.M. Sm.

Amomum lambireense R.M. Sm. — (A)

Amomum lambireense R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 298. — Type: *B.L. Burt 11525* (holo E!), Lambir Hills National Park.

Distribution — Sarawak.

Amomum lappaceum Ridl. — (A)

Amomum lappaceum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 134. — Lectotype: *H.N. Ridley 7802* (SING!), designated by Holttum, 1950), Selangor.

Distribution — Peninsular Malaysia.

Amomum laterale Ridl. = *Plagiostachys lateralis* (Ridl.) Ridl.

Amomum laxisquamosum K. Schum. — (A)

Amomum laxisquamosum K. Schum., Bot. Jahrb. Syst. 27 (1899) 315. — Type: *O. Beccari 386* (holo FI!), Kuching.

Distribution — Sarawak.

Amomum leonurus J. König = *Hornstedtia leonurus* (J. König) Retz.

Amomum lepnicarpum Ridl. — (A)

Amomum lepnicarpum Ridl., Leafl. Philipp. Bot. 2 (1909) 604. — *Hornstedtia lepnicarpa* (Ridl.) Elmer, Leafl. Philipp. Bot. 8 (1919) 2979. — *Geanthus lepnicarpus* (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 593. — Type: *A.D.E. Elmer 10044* (holo K, iso FI!, G!, GH!, L!), Negros Oriental, Dumaguete.

Distribution — Philippines.

Amomum lepnicarpum var. *pubescens* Ridl. = *Amomum pubescens* (Ridl.) Merr.

Amomum ligulatum R.M. Sm. — (A)

Amomum ligulatum R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 298. — Type: *G.C.G. Argent 1320* (holo E!), Sabah, Crocker Range.

Distribution — Sarawak, Sabah.

Amomum linearifolium Elmer — (P)

Amomum linearifolium Elmer, Leafl. Philipp. Bot. 8 (1919) 2975. — Type: *A.D.E. Elmer 16926* (iso BO!, C!, FI!, G!, GH!, L!, U!), Sorsogon, Irosin, Mt. Bulusan.

Distribution — Philippines.

Amomum littorale J. König = *Etingera littoralis* (J. König) Giseke

Amomum loheri K. Schum. — (P)

Amomum loheri K. Schum., Pflanzenr. IV, 46 (1904) 247. — Type: *A. Loher 675* (holo B), Luzon.

Distribution — Philippines.

Amomum longibractea K. Schum. = *Hornstedtia rubra* (Blume) Valetton

Amomum longifolium K. Schum. = *Etingera longifolia* (K. Schum.) A.D. Poulsen

Amomum longipedunculatum R.M. Sm. — (A)

Amomum longipedunculatum R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 309. — Type: *G.C.G. Argent 1360* (holo E!), Mount Kinabalu National Park.

Distribution — Sabah.

Amomum longipes Valetton — (P)

Amomum longipes Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 73. — Type: *Anon. 83* (holo BO, iso B).

Distribution — Java.

Amomum luteum R.M. Sm. — (A)

Amomum luteum R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 310. — Type: *B.L. Burt & A.M. Martin B 5372* (holo E!), Sarawak.

Distribution — Sarawak.

Amomum luzonense Elmer — (P)

Amomum luzonense Elmer, Leafl. Philipp. Bot. 8 (1919) 2976. — Type: *A.D.E. Elmer 15645* (holo PNH), Sorsogon, Irosin, Mt. Bulusan.

Distribution — Philippines.

Amomum lycostomum Lauterb. & K. Schum. ex K. Schum., nom. nud. = *Hornstedtia scottiana* (F. Muell.) K. Schum.

Amomum macrocheilos (Griff.) Baker = *Etingera punicea* (Roxb.) R.M. Sm.

Amomum macrodons Scort. — (A)

Amomum macrodons Scort., Nuovo Giorn. Bot. Ital. 18 (1886) 309. — *Hornstedtia macrodons* (Scort.) K. Schum., Pflanzenz. IV, 46 (1904) 191. (“*macrodus*”). — Type: *B. Scortechini 2027* (CAL), Perak, Kinta.

Distribution — Peninsular Malaysia.

Notes — The epithet is sometimes seen in literature as “*macrodus*” but Scortechini did not spell it this way.

Amomum macrodus Scort. = *Amomum macrodons* Scort.

Amomum macroglossum K. Schum. — (A)

Amomum macroglossum K. Schum., Bot. Jahrb. Syst. 27 (1899) 314. — *Geanthus macroglossa* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 593. — Type: *O. Beccari 2077* (holo FI!), Gunung Matang.

Distribution — Sarawak.

Amomum macrostephanum Baker = *Alpinia macrostephana* (Baker) Ridl.

Amomum magnificum (Roscoe) Benth., nom. invalid. = *Etingera elatior* (Jack) R.M. Sm.

Amomum maingayi Baker = *Etingera maingayi* (Baker) R.M. Sm.

Amomum maximum Roxb. — (A)

Amomum maximum Roxb., Asiat. Res. 11 (1810) 344. — *Cardamomum maximum* (Roxb.) Kuntze, Revis. gen. pl. 2 (1891) 687. — Type: *Icones Roxburghianae 1009* (CAL).

Distribution — Java.

Amomum megalocheilos (Griff.) Baker = *Etingera littoralis* (J. König) Giseke

Amomum melichroum K. Schum. — (P)

Amomum melichroum K. Schum., Bot. Jahrb. Syst. 27 (1899) 322. — Combination: *Alpinia melichroa* (K. Schum.) K. Schum., Pflanzenz. IV, 46 (1904) 364. — Type: *K.F. & P.B. Sarasin 871* (syn B), *O. Beccari s.n. (July 1874)* (syn FI).

Distribution — Sulawesi.

Amomum metriocheilos (Griff.) Baker = *Etilingera metriocheilos* (Griff.) R.M. Sm.

Amomum micranthum Ridl. — (A)

Amomum micranthum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 138. — Lectotype: *C. Curtis* 2884 (SING!, designated by Holttum, 1950), Penang.

Distribution — Peninsular Malaysia.

Amomum microcheilum (Ridl.) Merr. — (P), see *Hornstedtia microcheila* Ridl.

Distribution — Philippines.

Amomum mindanaense Elmer — (P)

Amomum mindanaense Elmer, Leafl. Philipp. Bot. 8 (1915) 2894. — Type: *A.D.E. Elmer 10822* (iso BO!, C!, FI!, G!, GH!, L!, U!), Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Amomum minus (Blume) K. Schum. = *Hornstedtia minor* (Blume) K. Schum.

Amomum montanum J. König = *Zingiber montanum* (J. König) A. Dietr.

Amomum muricarpum Elmer — (P)

Amomum muricarpum Elmer, Leafl. Philipp. Bot. 8 (1915) 2896. — Type: *A.D.E. Elmer 10947* (iso BO!, C!, FI!, G!, GH!, L!, MICH, U!), Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Amomum nasutum K. Schum. = *Etilingera nasuta* (K. Schum.) R.M. Sm.

Amomum ochreum Ridl. — (A)

Amomum ochreum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 135. — Lectotype: *H.N. Ridley s.n. (May 1895)* (K, designated by Holttum, 1950), Selangor.

Distribution — Peninsular Malaysia.

Amomum oliganthum K. Schum. — (A)

Amomum oliganthum K. Schum., Bot. Jahrb. Syst. 27 (1899) 321. — Type: *O. Beccari 2946* (holo FI!), Gunung Matang.

Distribution — Sarawak, Sabah.

Amomum ophiuchus Ridl. = *Hornstedtia minor* (Blume) K. Schum.

Amomum padangense K. Schum. — (P)

Amomum padangense K. Schum., Bot. Jahrb. Syst. 27 (1899) 318. — Type: *O. Beccari 188* (holo FI!), West Sumatra, Gunung Singgalang.

Distribution — Sumatra.

Amomum palawanense Elmer — (P)

Amomum palawanense Elmer, Leafl. Philipp. Bot. 8 (1915) 2897. — Type: *A.D.E. Elmer 12795* (iso BO!, FI!, G!, GH!, L!, U!), Palawan, Puerto Princessa, Mt. Pulgar (= Thumb Peak).

Distribution — Philippines.

Amomum paludosum (Blume) K. Schum. = *Hornstedtia paludosa* (Blume) K. Schum.

Amomum pandanycarpum Elmer = *Etingera pandanycarpa* (Elmer) A.D. Poulsen

Amomum parviflorum C. Presl = *Plagiostachys parviflora* (C. Presl) Ridl.

Amomum parvum (Valeton) Bakh. f. = *Etingera parva* (Valeton) R.M. Sm.

Amomum paucifolium R.M. Sm. — (A)

Amomum paucifolium R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 307. — Type: *B.L. Burt 11341* (holo E!), Belaga.

Distribution — Sarawak.

Amomum pausodipsus K. Schum. — (P)

Amomum pausodipsus K. Schum., Pflanzenr. IV, 46 (1904) 226. — Combination: *Geanthus pausodipsus* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 592. — Type: *K.F. & P.B. Sarasin 415* (holo B), North Sulawesi, Tomohon.

Distribution — Sulawesi.

Amomum pellitum Ridl. — (P)

Amomum pellitum Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 211. — Type: *C.B. Kloss s.n. (3 December 1913)* (holo BM), Mt. Carstensz.

Distribution — West Papua.

Amomum penicillatum K. Schum., nom. nud. = *Hornstedtia penicellata* K. Schum.

Amomum perakense Ridl. — (P)

Amomum perakense Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 135. — Type: *H.N. Ridley s.n. (June 1893)* (holo K), Perak.

Distribution — Peninsular Malaysia.

Amomum phaeochoanum K. Schum. = *Hornstedtia affinis* Ridl.

Amomum philippinense (Ridl.) Merr. = *Etingera philippinensis* (Ridl.) R.M. Sm.

Amomum platyandrum Gagnep. = *Hornstedtia tomentosa* (Blume) Bakh. f.

Amomum polycarpum (K. Schum.) R.M. Sm., nom. illeg. = *Amomum dimorphum* M.F. Newman, nom. nov.

Amomum polycarpum K. Schum. = *Etingera polycarpa* (K. Schum.) A.D. Poulsen

Amomum procurrens Gagnep. — (P)

Amomum procurrens Gagnep., Bull. Soc. Bot. France 49 (1903) 254. — Combination: *Elettariopsis procurrens* (Gagnep.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 603. — Type: *E.J.F Le Guillou s.n.* (1838) (holo P), Triton Bay.

Distribution — West Papua.

Amomum propinquum Ridl. — (P)

Amomum propinquum Ridl., Publ. Bur. Sci. Gov. Lab. (1905) 84. — Combination: *Hornstedtia propinqua* (Ridl.) Elmer, Leaf. Philipp. Bot. 8 (1919) 2979. — Type: *E.B. Copeland 843* (syn SING!), Davao, *A.D.E. Elmer 6284* (syn K), Baguio.

Distribution — Philippines.

Amomum pseudofortens Valetton — (P)

Amomum pseudofortens Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 23. — Type: *Anon. s.n.* (holo BO), West Java.

Distribution — Java.

Amomum pubescens (Ridl.) Merr. — (A)

Amomum pubescens (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 240. — Basionym: *Amomum lepicarpum* var. *pubescens* Ridl., Leaf. Philipp. Bot. 2 (1909) 605. — *Hornstedtia pubescens* (Ridl.) Elmer, Leaf. Philipp. Bot. 8 (1919) 2979. — Type: *A.D.E. Elmer 10384* (holo K, iso BO!, G!, L!), Negros Oriental, Dumaguete.

Distribution — Philippines.

Amomum pubimarginatum Elmer — (P)

Amomum pubimarginatum Elmer, Leaf. Philipp. Bot. 8 (1915) 2900. — Combination: *Geanthus pubimarginatus* (Elmer) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 593. — Type: *A.D.E. Elmer 10546* (iso BM, BO!, G!, L!), Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Amomum pungens R.M. Sm. — (A)

Amomum pungens R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 301. — Type: *B.L. Burt 12944* (holo E!, iso SAR!), Kapit.

Distribution — Sarawak.

Amomum purpureum (Elmer) Merr. = *Etilingera purpurea* (Elmer) A.D. Poulsen

Amomum pyramidosphaera K. Schum. = *Etilingera pyramidosphaera* (K. Schum.) R.M. Sm.

Amomum reticulatum K. Schum. = *Hornstedtia reticulata* (K. Schum.) K. Schum.

Amomum ridleyi Baker = *Hornstedtia leonurus* (J. König) Retz.

Amomum ridleyi R.M. Sm., nom. illeg. = *Amomum borealiborneense* I.M. Turner, nom. nov.

Amomum rivale Ridl. — (A)

Amomum rivale Ridl., Fl. Malay Penins. 5 (1925) 338. — Type: *I.H. Burkill & M. Haniff SFN 16945a* (holo K, iso SING!), Pahang.

Distribution — Peninsular Malaysia.

Amomum robustum K. Schum. = *Amomum uliginosum* J. König

Amomum roseisquamosum Nagam. & S. Sakai — (A)

Amomum roseisquamosum Nagam. & S. Sakai, Edinburgh J. Bot. 53 (1996) 39. — Type: *S. Sakai 188* (holo KYO), Lambir Hills National Park.

Distribution — Sarawak.

Amomum roseum K. Schum., nom. illeg. = *Etilingera rosea* B.L. Burtt & R.M. Sm., nom. nov.

Amomum rubroluteum Baker = *Etilingera punicea* (Roxb.) R.M. Sm.

Amomum rubrum (Blume) K. Schum. = *Hornstedtia rubra* (Blume) Valetton

Amomum sarasinorum K. Schum. — (P)

Amomum sarasinorum K. Schum., Bot. Jahrb. Syst. 27 (1899) 316. — Type: *K.F. & P.B. Sarasin 632a* (holo B).

Distribution — Sulawesi.

Amomum sarawacense K. Schum. = *Hornstedtia conica* Ridl.

Amomum sceletescens R.M. Sm. — (A)

Amomum sceletescens R.M. Sm., Edinburgh J. Bot. 47 (1990) 367. — Type: *W.L. Chew, E.J.H. Corner & J.D.A. Stainton RSNB 2649* (holo K), Mount Kinabalu National Park.

Distribution — Brunei, Sabah.

Amomum schlechteri K. Schum. — (P)

Amomum schlechteri K. Schum., Pflanzenr. IV, 46 (1904) 437. — Type: *F.R.R. Schlechter 13932* (holo B), Bismarck Range.

Distribution — Papua New Guinea.

Amomum scyphiferum J. König = *Hornstedtia scyphifera* (J. König) Steud.

Amomum solare (Blume) K. Schum. = *Etilingera solaris* (Blume) R.M. Sm.

Amomum somniculosum S. Sakai & Nagam. — (A)

Amomum somniculosum S. Sakai & Nagam., Edinburgh J. Bot. 55 (1998) 53. — Type: *S. Sakai 178* (holo KYO), Lambir Hills National Park.

Distribution — Sarawak, Sabah.

Amomum sphaerocephalum Baker = *Etilingera metriocheilos* (Griff.) R.M. Sm.

Amomum spiceum Ridl. — (A)

Amomum spiceum Ridl., J. Straits Branch Roy. Asiat. Soc. 86 (1922) 309. — Type: *H.N. Ridley s.n.* (20 December 1920) (holo K), Negeri Sembilan.

Distribution — Peninsular Malaysia.

Amomum squarrosus Ridl. — (A)

Amomum squarrosus Ridl., J. Straits Branch Roy. Asiat. Soc. 57 (1910) 104. — Lectotype: *H.N. Ridley 14026* (SING!, designated by Turner, 2000), Perak.

Distribution — Peninsular Malaysia.

Amomum stenocarpum Valeton — (P)

Amomum stenocarpum Valeton, Bull. Jard. Bot. Buitenzorg ser. 3, 2 (1920) 354. — Type: *Achmad 370* (holo BO!, iso L!), Pulau Simeulue.

Distribution — Sumatra.

Amomum stenoglossum Baker = *Amomum xanthophlebium* Baker

Amomum stenophyllum K. Schum. — (P)

Amomum stenophyllum K. Schum., Pflanzenr. IV, 46 (1904) 224. — Combination: *Geanthus stenophyllum* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 591. — Type: *K.F. & P.B. Sarasin 646* (holo B), North Sulawesi.

Distribution — Sulawesi.

Amomum stenosphon K. Schum. = *Elettariopsis stenosphon* (K. Schum.) B.L. Burtt & R.M. Sm.

Amomum stoloniflorum K. Schum. = *Elettaria stoloniflora* (K. Schum.) S. Sakai & Nagam.

Amomum sumatrense Ridl. — (P)

Amomum sumatrense Ridl., J. Malayan Branch Roy. Asiat. Soc 1 (1923) 99. — Lectotype: *H.N. Ridley s.n.* (K, designated by Turner, 2000), Sumatra.

Distribution — Sumatra.

Amomum surculosum K. Schum. = *Elettaria surculosa* (K. Schum.) B.L. Burtt & R.M. Sm.

Amomum tephrodelphys K. Schum. — (P)

Amomum tephrodelphys K. Schum., Pflanzenr. IV, 46 (1904) 248. — Type: *B. Hagen s.n. (1891)* (BO), North Sumatra, Percut.

Distribution — Sumatra.

Amomum terminale Ridl. — (P)

Amomum terminale Ridl., J. Straits Branch Roy. Asiat. Soc. 34 (1900) 98. — Type: *Micholitz s.n.*

Distribution — Bismarck Archipelago.

Amomum testaceum Ridl. — (A)

Amomum testaceum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 135. — Lectotype: *H.N. Ridley 8173* (K, designated by Smith, 1985, isolecto SING!), Selangor.

Distribution — Peninsular Malaysia, Sabah.

Amomum trachycarpum K. Schum. — (P)

Amomum trachycarpum K. Schum., Bot. Jahrb. Syst. 27 (1899) 316. — Combination: *Geanthus trachycarpus* (K. Schum.) Valeton, Nova Guinea 8 (1913) 936. — Type: *O. Beccari 229* (holo FI!), Sorong.

Distribution — West Papua.

Amomum trianthemum K. Schum. — (P)

Amomum trianthemum K. Schum., Pflanzenr. IV, 46 (1904) 244. — Type: *K.F. & P.B. Sarasin 697* (holo B), Central Sulawesi, Buol.

Distribution — Sulawesi.

Amomum trichanthera Warb. — (P)

Amomum trichanthera Warb., Bot. Jahrb. Syst. 13 (1891) 276. — Combination: *Geanthus trichanthera* (Warb.) Valeton, Bot. Jahrb. Syst. 52 (1914) 58. — Type: *O. Warburg s.n.* (holo B), Sattelburg.

Distribution — Papua New Guinea.

Amomum trilobum Ridl., nom. illeg. = *Amomum hedyosmum* I.M. Turner, nom. nov.

Amomum triorgyale Baker = *Etingera triorgyalis* (Baker) R.M. Sm.

Amomum truncatum Gagnep. — (P)

Amomum truncatum Gagnep., Bull. Soc. Bot. France 50 (1903) 164. — Type: *Ed. de la Savinière 137* (holo P), North Sulawesi, Likupang.

Distribution — Sulawesi.

Amomum uliginosum J. König — (A)

Amomum uliginosum J. König, Observ. bot. 3 (1783) 56. — *Cardamomum uliginosum* (J. König) Kuntze, Revis. gen. pl. 2 (1891) 687. — Type: Material not located.

Amomum robustum K. Schum., Pflanzenr. IV, 46 (1904) 253. — Type: *H.H. Kunstler 1839* (iso SING), Perak, Larut.

Distribution — Thailand, Peninsular Malaysia.

Amomum utriculosum (Ridl.) Holttum — (A)

Amomum utriculosum (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 208. — Basionym: *Conamomum utriculosum* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 122. — Lectotype: *C. Curtis 2714* (K, designated by Turner, 2000), Perak.

Distribution — Peninsular Malaysia.

Amomum validum K. Schum. = *Etlingera valida* (K. Schum.) A.D. Poulsen

Amomum vestitum K. Schum. — (P)

Amomum vestitum K. Schum., Bot. Jahrb. Syst. 27 (1899) 319. — Type: *O. Beccari 267* (FI!), West Sumatra, Gunung Singgalang.

Distribution — Sumatra.

Notes — *O. Beccari 267* (K, designated by Turner, 2000), is the lectotype of *Hornstedtia beccarii* Ridl., J. Malayan Branch Roy. Asiat. Soc 1 (1923) 99. A.D. Poulsen has seen Beccari's material at FI which consists of four sheets, three of them clearly *Hornstedtia* but the fourth with an inflorescence of *Etlingera* on it. If the *Hornstedtia* is a good species, then the earliest epithet is *vestita* and a new combination will be required.

Amomum vitellinum Lindl. = *Alpinia vitellina* (Lindl.) Ridl.

Amomum walang (Blume) Valetton = *Etlingera walang* (Blume) R.M. Sm.

Amomum warburgianum Lauterb. & K. Schum. — (P)

Amomum warburgianum Lauterb. & K. Schum., Fl. Schutzgeb. Südsee (1900) 230. — Type: *E. Tappenbeck 75* (holo B), East Sepik/Madang, Ramu River.

Distribution — Papua New Guinea.

Amomum warburgii K. Schum. — (P)

Amomum warburgii K. Schum., Pflanzenr. IV, 46 (1904) 257. — Type: *O. Warburg s.n. (1888)* (holo B), Mindanao.

Distribution — Philippines.

Amomum xanthoglossum Ridl. — (P)

Amomum xanthoglossum Ridl., J. Fed. Malay States Mus. 10 (1920) 153. — Type: *H.N. Ridley s.n.* (holo K), Kelantan.

Distribution — Peninsular Malaysia.

Amomum xanthoparyphe K. Schum. = *Etlingera xanthoparyphe* (K. Schum.) R.M. Sm.

Amomum xanthophlebium Baker — (A)

Amomum xanthophlebium Baker, Fl. Brit. India 6 (1892) 241. — Type: *A.C. Maingay s.n.* (holo K), Malacca.

Amomum stenoglossum Baker, Fl. Brit. India 6 (1892) 234. — Type: *H.H. Kunstler 1954* (holo K, iso SING!), Perak.

Distribution — Peninsular Malaysia, Sarawak.

Amomum zedoaria Christm. = *Curcuma zedoaria* (Christm.) Roscoe

Amomum zingiber L. = *Zingiber officinale* Roscoe

Boesenbergia Kuntze — (A)

Boesenbergia Kuntze, Revis. gen. pl. 2 (1891) 685. — Type species: *Boesenbergia pulcherrima* (Wall.) Kuntze.

Gastrochilus Wall., Pl. asiat. rar. 1 (1829) 22, non *Gastrochilus* D. Don, 1825.

Curcumorpha A.S. Rao & D.M. Verma, Bull. Bot. Surv. India 13 (1974) 339. — Type species: *Curcumorpha longiflora* (Wall.) A.S. Rao & D.M. Verma.

Revision status — B: Smith (1987).

Distribution — Thailand, Sumatra, Peninsular Malaysia, Sarawak, Brunei, Sabah, Kalimantan, Philippines.

Boesenbergia albosanguinea (Ridl.) Loes. = *Boesenbergia prainiana* (Baker) Schltr.

Boesenbergia apiculata (Valeton) Loes. — (A)

Boesenbergia apiculata (Valeton) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 571. — Basionym: *Gastrochilus apiculatus* Valeton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 95. — Type: *J.G. Hallier 3176B* (holo BO), Kalimantan.

Distribution — Kalimantan.

Boesenbergia armeniaca Cowley — (A)

Boesenbergia armeniaca Cowley, Kew Bull. 55 (2000) 669. — Type: *E.J. Cowley 13* (holo K, iso BRUN), Brunei.

Distribution — Brunei, Sabah.

Boesenbergia aurantiaca R.M. Sm. — (A)

Boesenbergia aurantiaca R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 226. — Type: *G.C.G. Argent & J.A. Ratter SAN 108235* (holo E!), Danum Valley.

Distribution — Sabah.

Boesenbergia belalongensis A.D. Poulsen — (A)

Boesenbergia belalongensis A.D. Poulsen, Nordic J. Bot. 13 (1993) 289. — Type: *A.D. Poulsen 182* (holo AAU), Temburong.

Distribution — Brunei.

Boesenbergia biloba (Ridl.) Schltr. = *Scaphochlamys biloba* (Ridl.) Holttum

Boesenbergia bractescens (Ridl.) Merr. = *Scaphochlamys polyphylla* (K. Schum.) B.L. Burt & R.M. Sm.

Boesenbergia bruneiana Cowley — (A)

Boesenbergia bruneiana Cowley, Kew Bull. 53 (1998) 626. — Type: *E.J. Cowley 185* (holo K), Belait, Labi.

Distribution — Brunei.

Boesenbergia burttiana R.M. Sm. — (A)

Boesenbergia burttiana R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 43. — Type: *B.L. Burt 8325* (holo E!, iso SAR!), Gunung Mulu National Park.

Distribution — Sarawak.

Boesenbergia calophylla (Ridl.) Schltr. = *Scaphochlamys biloba* (Ridl.) Holttum

Boesenbergia clivalis (Ridl.) Schltr. — (A)

Boesenbergia clivalis (Ridl.) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 316. — Basionym: *Gastrochilus clivalis* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 114. — Type: *H.N. Ridley s.n. (1897)* (holo K), Selangor.

Gastrochilus puberula Ridl., J. Straits Branch Roy. Asiat. Soc. 57 (1910) 102. — Lectotype: *H.N. Ridley 14423* (K, designated by Turner, 2000), Perak.

Distribution — Peninsular Malaysia.

Boesenbergia concinna (Baker) Schltr. = *Scaphochlamys concinna* (Baker) Holttum

Boesenbergia cordata R.M. Sm. — (A)

Boesenbergia cordata R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 46. — Type: *B.L. Burt 8258* (holo E!, iso SAR!), Gunung Mulu National Park.

Distribution — Sarawak.

Boesenbergia curtisii (Baker) Schltr. — (A)

Boesenbergia curtisii (Baker) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 316. — Basionym: *Gastrochilus curtisii* Baker, Bot. Mag. 120 (1894) t. 7363. — Type: *Anon. s.n. (1893)* (holo K), Peninsular Malaysia.

Gastrochilus javanus K. Schum., Pflanzenr. IV, 46 (1904) 95. — *Boesenbergia javanum* (K. Schum.) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 316. — Type: *H. Zollinger 116* (P), Java.

Gastrochilus acutus Ridl., J. Straits Branch Roy. Asiat. Soc. 59 (1911) 203. — Type: *H.N. Ridley s.n. (July 1910)* (holo K), Perlis.

Distribution — Peninsular Malaysia.

Boesenbergia flava Holttum — (A)

Boesenbergia flava Holttum, Gard. Bull. Singapore 13 (1950) 113., nom. nov. — Basionym: *Gastrochilus flavus* Ridl. 1899, non (Hook. f.) Kuntze 1887, Fl. Malay Penins. 4 (1924) 248. — Lectotype: *C. Curtis s.n.* (K, designated by Turner, 1998), Perak.

Distribution — Peninsular Malaysia.

Boesenbergia flavoalba R.M. Sm. — (A)

Boesenbergia flavoalba R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 218. — Type: *B.L. Burt & P.J.B. Woods B 2072* (holo E!), Gunung Mulu National Park.

Distribution — Sarawak, Brunei.

Boesenbergia flavorubra R.M. Sm. — (A)

Boesenbergia flavorubra R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 48. — Type: *B.L. Burt* 8245 (holo E!, iso SAR!), Gunung Mulu National Park.

Distribution — Sarawak.

Boesenbergia gracilipes (K. Schum.) R.M. Sm. — (A)

Boesenbergia gracilipes (K. Schum.) R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 43. — Basionym: *Haplochorema gracilipes* K. Schum., Bot. Jahrb. Syst. 27 (1899) 332. — Type: *O. Beccari* 2839 (holo FI!, iso K), 1st Division, Gunung Wah.

Distribution — Sarawak.

Boesenbergia grandifolia (Valeton) Merr. — (A)

Boesenbergia grandifolia (Valeton) Merr., Bibl. enum. Born. pl. (1921) 122. — Basionym: *Gastrochilus grandifolius* Valeton, Icon. Bogor. 4 (1914) t. 377. — Type: *A.W. Nieuwenhuis s.n.* (holo BO).

Distribution — Kalimantan.

Boesenbergia grandis R.M. Sm. — (A)

Boesenbergia grandis R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 49. — Type: *G.C.G. Argent & J.A.R. Kerby* 794 (holo E!), Gunung Mulu National Park.

Distribution — Sarawak.

Boesenbergia hirta (Ridl.) Merr. — (A)

Boesenbergia hirta (Ridl.) Merr., Bibl. enum. Born. pl. (1921) 122. — Basionym: *Gastrochilus hirtus* Ridl., J. Straits Branch Roy. Asiat. Soc. 54 (1910) 57. — Type: *J. Hewitt* 20 (holo SING!), 2nd Division, Bukit Tiang Laju.

Distribution — Sarawak.

Boesenbergia hosensis Cowley — (A)

Boesenbergia hosensis Cowley, Kew Bull. 55 (2000) 672. — Type: *B.L. Burt* & *A.M. Martin* B 4900 (holo E!), Hose Mountains.

Distribution — Sarawak.

Boesenbergia hutchinsonii B.L. Burt & R.M. Sm. — (A)

Boesenbergia hutchinsonii B.L. Burt & R.M. Sm., Trans. & Proc. Bot. Soc. Edinburgh 39 (1964) 510. — Type: *B.L. Burt* & *P.J.B. Woods* B 2235 (holo E!), Gunung Mulu National Park.

Distribution — Sarawak.

Boesenbergia jangarunii Cowley — (A)

Boesenbergia jangarunii Cowley, Kew Bull. 53 (1998) 623. — Type: *E.J. Cowley* 60 (holo K), Temburong.

Distribution — Brunei.

Boesenbergia javanum (K. Schum.) Schltr. = *Boesenbergia curtisii* (Baker) Schltr.

Boesenbergia kerbyi R.M. Sm. — (A)

Boesenbergia kerbyi R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 53. — Type: *J.A.R. Kerby 214* (holo E!), Gunung Mulu National Park.

Distribution — Sarawak.

Boesenbergia klossii (Ridl.) Loes. = *Scaphochlamys klossii* (Ridl.) Holttum

Boesenbergia lancifolia (Ridl.) Schltr. = *Scaphochlamys malaccana* Baker

Boesenbergia laxiflora (Valeton) Loes. = *Scaphochlamys polyphylla* (K. Schum.) B.L. Burt & R.M. Sm.

Boesenbergia loerzingii (Valeton) K. Larsen — (A)

Boesenbergia loerzingii (Valeton) K. Larsen, Nordic J. Bot. 17 (1997) 365. — Basionym: *Gastrochilus loerzingii* Valeton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 94. — Type: *J.A. Lörzing s.n.* (holo, BO), North Sumatra, Sibaulangit.

Distribution — Sumatra.

Notes — Larsen (1997), in making the combination *Boesenbergia loerzingii*, cited the type, as above, though it seems that he had not seen it because he did not say in which herbarium it was located. He then lectotypified *Boesenbergia loerzingii* on *Bünnemeyer 532*, which is the type of *Gastrochilus loerzingii* var. *bencoolensis*. If Lörzing's material is found at BO, then lectotypification is not required. No combinations in *Boesenbergia* exist for varieties *bandarensis* and *bencoolensis*.

Boesenbergia longipes (Ridl.) Schltr. — (A)

Boesenbergia longipes (Ridl.) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 316. — Basionym: *Gastrochilus longipes* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 113. *Kaempferia longipes* (Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 79. — Type: *L. Wray 4220* (holo K), Malacca.

Distribution — Peninsular Malaysia.

Boesenbergia longipetiolata (Ridl.) Merr. — (A)

Boesenbergia longipetiolata (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1924) 243. — Basionym: *Gastrochilus longipetiolata* Ridl., Philipp. J. Sci., C 4 (1909) 166. — Type: *H.N. Whitford & J. Hutchinson 9110* (UNCLASSIFIED).

Distribution — Philippines.

Boesenbergia lurida (Ridl.) Loes. = *Boesenbergia plicata* var. *lurida* (Ridl.) Holttum

Boesenbergia macropoda Merr. — (P)

Boesenbergia macropoda Merr., Philipp. J. Sci. 30 (1926) 391. — Type: *M. Ramos & G. Edaña 44394* (holo PNH), Philippines.

Distribution — Philippines.

Boesenbergia malaccana (Baker) Govaerts = *Scaphochlamys malaccana* Baker

Boesenbergia minor (Baker) Kuntze — (P), see *Gastrochilus minor* Baker

Boesenbergia oculata (Ridl.) Schltr. = *Scaphochlamys oculata* (Ridl.) Holttum

Boesenbergia oligosperma (K. Schum.) R.M. Sm. — (A)

Boesenbergia oligosperma (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 38 (1980) 19. — Basionym: *Kaempferia oligosperma* K. Schum., Bot. Jahrb. Syst. 27 (1899) 337. — *Haplochorema oligospermum* (K. Schum.) K. Schum., Bot. Jahrb. Syst. 27 (1899) 337. — Type: *O. Beccari* 3307 (holo FI!, iso K), 2nd Division, Batang, Lupar, Marop.

Distribution — Sarawak.

Boesenbergia orbiculata R.M. Sm. — (A)

Boesenbergia orbiculata R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 54. — Type: *B.L. Burt* 8275 (holo E!, iso SAR!), Gunung Mulu National Park.

Distribution — Sarawak, Brunei.

Boesenbergia ornata (N.E. Br.) R.M. Sm. — (A)

Boesenbergia ornata (N.E. Br.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 38 (1980) 19. — Basionym: *Kaempferia ornata* N.E. Br., Ill. hort. 31 (1884) 159, t. 537. — *Gastrochilus ornatus* (N.E. Br.) Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 89. — Type: *Teuscher s.n.* (holo K), West Kalimantan.

Distribution — Kalimantan.

Boesenbergia pandurata (Roxb.) Schltr. = *Boesenbergia rotunda* (L.) Mansf.

Boesenbergia parva (Ridl.) Merr. — (A)

Boesenbergia parva (Ridl.) Merr., Bibl. enum. Born. pl. (1921) 122. — Basionym: *Gastrochilus parvus* Ridl., J. Straits Branch Roy. Asiat. Soc. 44 (1905) 195. — Type: *H.N. Ridley s.n.* (1904) (holo SING!), 1st Division, Bidi.

Distribution — Sarawak.

Boesenbergia plicata (Ridl.) Holttum — (A)

Boesenbergia plicata (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 109. — Basionym: *Gastrochilus plicata* Ridl., J. Straits Branch Roy. Asiat. Soc. 44 (1905) 196. — Type: *Gimlette s.n.* (1904) (holo K), Kelantan.

Distribution — Thailand, Peninsular Malaysia.

Boesenbergia plicata var. **lurida** (Ridl.) Holttum — (A)

Boesenbergia plicata var. *lurida* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 110. — Basionym: *Gastrochilus lurida* Ridl., Mat. fl. Malay. Penins. 2 (1907) 17. — *Boesenbergia lurida* (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15.A (1930) 570. — Lectotype: *Illustration 00761* (SING!, designated by Turner, 2000), Pulau Langkawi.

Distribution — Thailand, Peninsular Malaysia.

Boesenbergia prainiana (Baker) Schltr. — (A)

Boesenbergia prainiana (Baker) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 316. — Basionym: *Kaempferia prainiana* Baker, Fl. Brit. India 6 (1890) 220. — *Gastrochilus prainianus* (Baker) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 115. — Type: *H.H. Kunstler 726* (iso SING!), Perak, Gopeng.

Gastrochilus albosanguinea Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 111. — *Boesenbergia albosanguinea* (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 568. — Type: *T.A. Woodbridge s.n. (September 1894)* (holo K), Perak.

Distribution — Peninsular Malaysia.

Boesenbergia pulchella (Ridl.) Merr. — (A)

Boesenbergia pulchella (Ridl.) Merr., Bibl. enum. Born. pl. (1921) 122. — Basionym: *Gastrochilus pulchellus* Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 234. — Lectotype: *H.N. Ridley s.n. (September 1905)* (K, designated by Smith, 1987), 1st Division, Bidi.

Distribution — Sarawak, Sabah.

Boesenbergia pulchella var. *attenuata* R.M. Sm. — (A)

Boesenbergia pulchella var. *attenuata* R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 225. — Type: *B.C. Stone 6743* (holo KLU), Sepilok Forest Reserve.

Distribution — Sabah.

Boesenbergia pulcherrima (Wall.) Kuntze — (A)

Boesenbergia pulcherrima (Wall.) Kuntze, Revis. gen. pl. 2 (1891) 685. — Basionym: *Gastrochilus pulcherrima* Wall., Pl. asiat. rar. 1 (1829) 22, t. 24. — Type: Material not located.

Distribution — Peninsular Malaysia.

Boesenbergia regalis Kharuk. & Todam — (A)

Boesenbergia regalis Kharuk. & Todam, Folia Malaysiana 4 (2003) 20. — Type: *C.K. Lim & S. Todam L 4620* (holo BKF), Narathiwat, Halabala.

Distribution — Thailand.

Boesenbergia reticosa (Ridl.) Merr. = *Scaphochlamys reticosa* (Ridl.) R.M. Sm.

Boesenbergia roseopunctata (Ridl.) I.M. Turner — (A)

Boesenbergia roseopunctata (Ridl.) I.M. Turner, Asian Journal of Tropical Biology 4 (2000) 27. — Basionym: *Gastrochilus roseopunctatus* Ridl., Bull. Misc. Inform. (1926) 88. — Type: *C.B. Kloss SFN 14693* (holo K, iso SING!), West Sumatra, Pulau Sipora.

Distribution — Sumatra.

Boesenbergia rotunda (L.) Mansf. — (A)

Boesenbergia rotunda (L.) Mansf., Kulturpflanze 6 (1958) 239. — Basionym: *Curcuma rotunda* L., Sp. pl. 1 (1753) 2. — *Gastrochilus rotundus* (L.) Alston, Handb. fl. Ceylon 6 (1931) 281. — Type: Hort. malab. 11: tab. 10 (1692).

Kaempferia pandurata Roxb., *Asiat. Res.* 11 (1810) 328. — *Gastrochilus pandurata* (Roxb.) Ridl., *J. Straits Branch Roy. Asiat. Soc.* 32 (1899) 114. — *Boesenbergia pandurata* (Roxb.) Schltr., *Repert. Spec. Nov. Regni Veg.* 12 (1913) 316. — Type: *Icones Roxburghianae 1759* (CAL, K).

Kaempferia cochinchinensis Gagnep., *Bull. Soc. Bot. France* 54 (1907) 165. — *Boesenbergia cochinchinensis* (Gagnep.) Loes., *Nat. Pflanzenfam.* ed. 2, 15,A (1930) 571. — Type: *C. Thorel s.n.* (holo P!, iso P!), Vietnam, Thu Dau Mot.

Distribution — Widely cultivated, perhaps not native to Malesia.

Boesenbergia scaphochlamys (Ridl.) Schltr. = *Scaphochlamys malaccana* Baker

***Boesenbergia stenophylla* R.M. Sm. — (A)**

Boesenbergia stenophylla R.M. Sm., *Notes Roy. Bot. Gard. Edinburgh* 44 (1987) 230. — Type: *G.C.G. Argent 85/18* (holo E), Sabah, Long Pa Sia.

Distribution — Sarawak, Sabah.

***Boesenbergia striata* (Valeton) Loes. — (A)**

Boesenbergia striata (Valeton) Loes., *Nat. Pflanzenfam.* ed. 2, 15,A (1930) 571. — Basionym: *Gastrochilus striatum* Valeton, *Bull. Jard. Bot. Buitenzorg.* ser. 2, 27 (1918) 97. — Type: *J.E. Teijsmann 10992* (L), West Kalimantan, Sintang.

Distribution — Kalimantan.

***Boesenbergia tillandsioides* (Baker) Kuntze — (P)**, see *Gastrochilus tillandsioides* Baker

Distribution — Peninsular Malaysia.

***Boesenbergia urceoligena* A.D. Poulsen — (A)**

Boesenbergia urceoligena A.D. Poulsen, *Nordic J. Bot.* 13 (1993) 293. — Type: *A.D. Poulsen 251* (holo E!), Temburong.

Distribution — Brunei.

***Boesenbergia variegata* R.M. Sm. — (A)**

Boesenbergia variegata R.M. Sm., *Bot. J. Linn. Soc.* 85 (1982) 55. — Type: *C. Hansen 113* (holo C!), Gunung Mulu National Park.

Distribution — Sarawak.

Brachytilum Petersen = *Hedychium* J. König

Brachytilum horsfieldii (Wall.) Petersen = *Hedychium horsfieldii* Wall.

Brachytilum tenellum K. Schum. = *Hedychium tenellum* (K. Schum.) R.M. Sm.

***Burbidgea* Hook. f. — (A)**

Burbidgea Hook. f., *Bot. Mag.* 105 (1879) t. 6403. — Type species: *Burbidgea nitida* Hook. f.

Revision status — A: Smith (1985).

Distribution — Sarawak, Brunei, Sabah, Kalimantan.

Burbidgea longilora (Ridl.) R.M. Sm. — (A)

Burbidgea longilora (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 300. — Basionym: *Alpinia longilora* Ridl., J. Bot. 51 (1913) 247. — *Languas longilora* (Ridl.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — Lectotype: *C.J. Brooks 1077* (BM, designated by Smith, 1972), Sarawak.

Distribution — Sarawak.

Burbidgea nitida Hook. f. — (A)

Burbidgea nitida Hook. f., Bot. Mag. 105 (1879) t. 6403. — Type: *F.W. Burbidge s.n. (1879)* (holo K), Gunung Murud.

Distribution — Sarawak.

Burbidgea pauciflora Valeton — (A)

Burbidgea pauciflora Valeton, Icon. Bogor. 3 (1906) t. 203. — Type: *A.W. Nieuwenhuis s.n.* (holo BO).

Distribution — Kalimantan.

Burbidgea pubescens Ridl. = *Burbidgea schizocheila* Hackett

Burbidgea schizocheila Hackett — (A)

Burbidgea schizocheila Hackett, Gard. Chron. ser. 3, 36(931) (1904) 301. — Type: *Anon. s.n. (1903)* (holo K), Borneo.

Burbidgea pubescens Ridl., J. Bot. 75 (1937) 203. — Type: *M.S. Clemens 9939* (holo K), Sabah, Mount Kinabalu.

Distribution — Borneo, Sarawak, Sabah.

Burbidgea stenantha Ridl. — (A)

Burbidgea stenantha Ridl., J. Bot. 75 (1937) 202. — Type: *Anon. SFN 6699* (holo K), Upper Baram.

Distribution — Sarawak.

Camptandra Ridl. — (A)

Camptandra Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 103. — Type species: *Camptandra latifolia* Ridl.

Revision status — **B**: Smith (1987).

Distribution — Peninsular Malaysia, Sarawak.

Camptandra angustifolia (Ridl.) Ridl. = *Camptandra parvula* var. *angustifolia* Ridl.

Camptandra gracillima (K. Schum.) Valeton = *Camptandra parvula* var. *angustifolia* Ridl.

Camptandra latifolia Ridl. — (A)

Camptandra latifolia Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 105. — Lectotype: *H.H. Kunstler 7219* (SING!, designated by Turner, 2000, isolecto K), Perak.

Distribution — Peninsular Malaysia.

Camptandra ovata Ridl. — (A)

Camptandra ovata Ridl., Mat. fl. Malay. Penins. 2 (1907) 12. — Lectotype: *A.M. Burn-Murdoch s.n.* (February 1904) (K, designated by Holttum, 1950), Selangor, Hulu Semangkok.

Camptandra tahanensis Ridl., J. Fed. Malay States Mus. 6 (1915) 184. — Lectotype: *H.N. Ridley 15944* (SING!, designated by Holttum, 1950), Pahang.

Distribution — Peninsular Malaysia.

Camptandra parvula (King ex Baker) Ridl. — (A)

Camptandra parvula (King ex Baker) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 104. — Basionym: *Kaempferia parvula* King ex Baker, Fl. Brit. India 6 (1890) 223. — Type: *H.H. Kunstler s.n.* (holo K), Gopeng.

Distribution — Peninsular Malaysia.

Camptandra parvula var. **angustifolia** Ridl. — (A)

Camptandra parvula var. *angustifolia* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 105. — *Camptandra angustifolia* (Ridl.) Ridl., J. Straits Branch Roy. Asiat. Soc. 44 (1905) 194. — Type: *G.D. Haviland cm.m.l.* (holo K), Gunung Matang.

Camptandra gracillima (K. Schum.) Valeton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 115. — Type: *G.D. Haviland 448* (K).

Distribution — Sarawak.

Camptandra tahanensis Ridl. = *Camptandra ovata* Ridl.

Cardamomum Kuntze = *Alpinia* Roxb., p.p., *Amomum* Roxb., p.p., *Etingera* Giseke, p.p., *Hornstedtia* Retz., p.p., *Plagiostachys* Ridl., p.p.

Cardamomum aculeatum (Roxb.) Kuntze = *Amomum aculeatum* Roxb.

Cardamomum biflorum (Jack) Kuntze = *Amomum biflorum* Jack

Cardamomum ciliatum (Blume) Kuntze = *Amomum aculeatum* Roxb.

Cardamomum foetens (Blume) Kuntze = *Etingera foetens* (Blume) R.M. Sm.

Cardamomum glaberrimum (Zoll. & Moritzi) Kuntze = *Etingera walang* (Blume) R.M. Sm.

Cardamomum hemisphaericum (Blume) Kuntze = *Etingera hemisphaerica* (Blume) R.M. Sm.

Cardamomum leonurus (J. König) Kuntze = *Hornstedtia leonurus* (J. König) Retz.

Cardamomum littorale (J. König) Kuntze = *Etingera littoralis* (J. König) Giseke

Cardamomum magnificum (Roscoe) Kuntze = *Etingera elatior* (Jack) R.M. Sm.

Cardamomum maximum (Roxb.) Kuntze = *Amomum maximum* Roxb.

Cardamomum minus (Blume) Kuntze = *Hornstedtia minor* (Blume) K. Schum.

- Cardamomum pallidum* (Blume) Kuntze = *Etilingera solaris* (Blume) R.M. Sm.
- Cardamomum paludosum* (Blume) Kuntze = *Hornstedtia paludosa* (Blume) K. Schum.
- Cardamomum parviflorum* (C. Presl) Kuntze = *Plagiostachys parviflora* (C. Presl) Ridl.
- Cardamomum pininga* (Blume) Kuntze = *Hornstedtia pininga* (Blume) Valetton
- Cardamomum roseum* Kuntze, nom. illeg. = *Etilingera rosea* B.L. Burt & R.M. Sm., nom. nov.
- Cardamomum rubrum* (Blume) Kuntze = *Hornstedtia rubra* (Blume) Valetton
- Cardamomum solare* (Blume) Kuntze = *Etilingera solaris* (Blume) R.M. Sm.
- Cardamomum tomentosum* (Blume) Kuntze = *Hornstedtia tomentosa* (Blume) Bakh. f.
- Cardamomum vitellinum* (Lindl.) Kuntze = *Alpinia vitellina* (Lindl.) Ridl.
- Cardamomum walang* (Blume) Kuntze = *Etilingera walang* (Blume) R.M. Sm.
- Carenophila* Ridl. = *Geostachys* (Baker) Ridl.
- Carenophila montana* Ridl. = *Geostachys montana* (Ridl.) Holttum
- Catimbium* Juss. = *Alpinia* Roxb., nom. cons.
- Catimbium assimile* (Ridl.) Holttum = *Alpinia assimilis* Ridl.
- Catimbium haenkei* (C. Presl) M.L. Steiner = *Alpinia haenkei* C. Presl
- Catimbium latilabre* (Ridl.) Holttum = *Alpinia latilabris* Ridl.
- Catimbium malaccense* (Burm. f.) Holttum = *Alpinia malaccensis* (Burm. f.) Roscoe
- Catimbium malaccense* var. *nobilis* (Ridl.) Holttum = *Alpinia malaccensis* var. *nobilis* (Ridl.) I.M. Turner
- Catimbium muticum* (Roxb.) Holttum = *Alpinia mutica* Roxb.
- Catimbium speciosum* (J.C. Wendl.) Holttum = *Alpinia zerumbet* (Pers.) B.L. Burt & R.M. Sm.
- Cenolophon* Blume = *Alpinia* Roxb., nom. cons.
- Cenolophon argenteum* B.L. Burt & R.M. Sm. = *Alpinia argentea* (B.L. Burt & R.M. Sm.) R.M. Sm.
- Cenolophon corneri* Holttum = *Alpinia corneri* (Holttum) R.M. Sm.
- Cenolophon macrostephanum* (Baker) Holttum = *Alpinia macrostephana* (Baker) Ridl.

Cenolophon mollissimum (Ridl.) Holttum = *Alpinia mollissima* Ridl.

Cenolophon oxymitrum (K. Schum.) Holttum = *Alpinia oxymitra* K. Schum.

Cenolophon petiolatum (Baker) Holttum = *Alpinia petiolata* Baker

Cenolophon pulcherrimum (Ridl.) Holttum = *Alpinia pulcherrima* Ridl.

Cenolophon rubrum Blume = *Alpinia rubricaulis* K. Schum.

Cenolophon versicolor (K. Schum.) B.L. Burtt & R.M. Sm. = *Alpinia versicolor* K. Schum.

Cenolophon vitellinum (Lindl.) Horan. = *Alpinia vitellina* (Lindl.) Ridl.

Ceratanthera Hornem. = *Globba* L.

Ceratanthera amomoides Hornem. = *Globba marantina* L.

Conamomum Ridl. = *Geostachys* (Baker) Ridl.

Conamomum citrinum Ridl. = *Amomum citrinum* (Ridl.) Holttum

Conamomum sericeum Ridl. = *Geostachys sericea* (Ridl.) Holttum

Conamomum utriculosum Ridl. = *Amomum utriculosum* (Ridl.) Holttum

Curcuma L. — (A)

Curcuma L., Sp. pl. 1 (1753) 2. — Type species: *Curcuma longa* L.

Erndlia Giseke, Prael. ord. nat. pl. (1792) 202, 209. — Type species: *Erndlia subpersonata* Giseke.

Hitcheniopsis (Baker) Ridl., Fl. Malay Penins. 4 (1924) 252. — Type species: Not designated.

Revision status — A: Marlina Ardiyani (in prep.).

Distribution — Thailand, Sumatra, Peninsular Malaysia, Singapore, Sarawak, Kalimantan, Java, Bali, Philippines, Sulawesi, Moluccas, West Papua, Papua New Guinea.

Notes — Probably not native in Borneo or east of Wallace's Line.

Curcuma aeruginosa Roxb. — (A)

Curcuma aeruginosa Roxb., Asiat. Res. 11 (1810) 335. — Type: *Icones Roxburghianae 1924* (CAL).

Distribution — Java.

Curcuma aurantiaca Zipp — (A)

Curcuma aurantiaca Zipp, Recueil Trav. Bot. Néerl. 12 (1915) 345. — Type: *C. van Zipp s.n. (1911)* (holo BO), Java.

Distribution — Peninsular Malaysia, Java.

Curcuma australasica Hook. f. — (P)

Curcuma australasica Hook. f., Bot. Mag. (1867) t. 5620. — Type: *Anon. s.n.* (holo K), Queensland.

Distribution — Moluccas, West Papua, Papua New Guinea.

Curcuma bakeriana Hemsl. — (P)

Curcuma bakeriana Hemsl., Gard. Chron. ser. 3, 11 (1892) 682. — Type: *H.F.C. Sander s.n.* (holo K).

Distribution — Papua New Guinea.

Curcuma brog Valeton — (P)

Curcuma brog Valeton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 48. — Type: *Anon. s.n.* (holo BO), Randublatung.

Distribution — Java.

Curcuma ceratotheca K. Schum. — (P)

Curcuma ceratotheca K. Schum., Pflanzenr. IV, 46 (1904) 113. — Type: *K.F. & P.B. Sarasin 786* (holo B), North Sulawesi, near Tomohon.

Distribution — Sulawesi.

Curcuma colorata Valeton — (A)

Curcuma colorata Valeton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 40. — Type: *L.G.E. Kalshoven 1645* (syn BO!), *K. Heyne 35* (syn BO), *C.A. Backer 11348* (syn BO).

Distribution — Java.

Curcuma domestica Valeton = *Curcuma longa* L.

Curcuma elata Roxb. — (P)

Curcuma elata Roxb., Fl. ind. 1 (1820) 25. — Type: *Icones Roxburghianae 2002* (CAL).

Distribution — Thailand.

Curcuma euchroma Valeton — (P)

Curcuma euchroma Valeton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 42. — Type: *K. Heyne 52*, East Java, Kediri, 449, East Java, Mojokerto, *s.n.*, Pulau Madura, Sumenep (syn BO).

Distribution — Java.

Curcuma heyneana Valeton & Zijp — (A)

Curcuma heyneana Valeton & Zijp, Recueil Trav. Bot. Néerl. 14 (1917) 132, 136. — Type: *Anon. s.n.* (holo BO).

Distribution — Java.

Curcuma kunstleri Baker = *Scaphochlamys kunstleri* (Baker) Holttum

Curcuma kunstleri var. *rubra* Ridl. = *Scaphochlamys kunstleri* var. *rubra* (Ridl.) Holttum

Curcuma lanceolata Ridl. = *Scaphochlamys perakensis* Holttum, nom. nov.

Curcuma latiflora Valetton — (P)

Curcuma latiflora Valetton, Nova Guinea 8 (1913) 923. — Type: *G.M. Versteeg 1740* (syn BO), *L.S.A.M. von Römer 631* (syn BO).

Distribution — West Papua.

Curcuma loerzingii Valetton — (P)

Curcuma loerzingii Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 71. — Type: *J.A. Lörzing 1248* (holo BO), Sibaulangit.

Distribution — Sumatra.

Curcuma longa L. — (A)

Curcuma longa L., Sp. pl. 1 (1753) 2. — Type: Lectotype specimen probably to be conserved (C. Jarvis, pers. comm.).

Anomum curcuma Jacq., Hort. bot. vindob. 3 (1776) 5, t. 4. — Type: Material not located.

Curcuma domestica Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 31. — Type: *C.W.F. Grashoff 482* (holo BO), South Sumatra, Muaradua.

Distribution — Sumatra, Peninsular Malaysia, Sarawak, Kalimantan, Java, Philippines, West Papua, Papua New Guinea.

Notes — Widely cultivated but perhaps not native to Malesia.

Curcuma longispica Valetton — (P)

Curcuma longispica Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 81. — Type: *B. Branderhorst 234* (holo BO).

Distribution — West Papua.

Curcuma mangga Valetton & Zijp — (P)

Curcuma mangga Valetton & Zijp, Recueil Trav. Bot. Néerl. 14 (1917) 138, 141. — Type: *K. Heyne s.n.* (syn BO), *S.H. Koorders s.n.* (syn BO), *de Clerq s.n.* (syn BO).

Distribution — Java.

Curcuma meraukensis Valetton — (P)

Curcuma meraukensis Valetton, Nova Guinea 8 (1913) 924. — Type: *G.M. Versteeg 1953* (holo BO), Merauke.

Distribution — West Papua.

Curcuma ochrorhiza Valetton — (P)

Curcuma ochrorhiza Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 45. — Type: *K. Heyne 705* (holo BO), Randublatung.

Distribution — Java.

Curcuma petiolata Roxb. — (P)

Curcuma petiolata Roxb., Fl. ind. 1 (1820) 36. — Type: *Icones Roxburghianae 2156* (CAL).

Distribution — Java.

Curcuma phaeocaulis Valetton — (P)

Curcuma phaeocaulis Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 69. — Type: *J. Jeswiet & C.A. Backer s.n.* (syn BO).

Distribution — Java.

Curcuma purpurascens Blume — (A)

Curcuma purpurascens Blume, Enum. pl. Javae (1827) 46. — Type: *Anon. s.n.* (L).

Distribution — Java, Bali.

Curcuma soloensis Valetton — (P)

Curcuma soloensis Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 46. — Type: *K. Heyne 50* (BO), Central Java, Solo.

Distribution — Java, Papua New Guinea.

Curcuma sylvatica Valetton — (P)

Curcuma sylvatica Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 149. — Type: *K. Heyne 89* (holo BO), Pulau Madura, Sumenep.

Distribution — Java.

Curcuma sylvestris Ridl. = *Scaphochlamys sylvestris* (Ridl.) Holttum

Curcuma viridiflora Roxb. — (P)

Curcuma viridiflora Roxb., Asiat. Res. 11 (1810) 341. — Type: *Icones Roxburghianae 2005* (CAL).

Distribution — Sumatra, Java, Bali.

Curcuma xanthorrhiza Roxb. = *Curcuma zanthorrhiza* Roxb.

Curcuma zanthorrhiza Roxb. — (A)

Curcuma zanthorrhiza Roxb., Fl. ind. 1 (1820) 25. — *Curcuma zanthorrhiza* Roxb., Syn. pl. 1 (1839) 19, orth. var. — Type: *Icones Roxburghianae 2003* (CAL).

Distribution — Peninsular Malaysia, Java.

Curcuma zedoaria (Bergius) Roscoe = *Curcuma zedoaria* (Christm.) Roscoe

Curcuma zedoaria (Christm.) Roscoe — (A)

Curcuma zedoaria (Christm.) Roscoe, Trans. Linn. Soc. London 8 (1807) 354. — Basionym: *Amomum zedoaria* Christm., Vollst. Pflanzensyst. 5 (1779) 12. — Type: Material not located.

Costus luteus Blanco, Fl. Filip. (1837) 4. — *Roscoea lutea* (Blanco) Hassk., Flora 22 (1864) 21. — Type: Material not located.

Roscoea nigrociliata Hassk., Flora 22 (1864) 21. — Type: Material not located.

Distribution — Peninsular Malaysia, Singapore, Sarawak, Java, Philippines.

Notes — Often cited as *Curcuma zedoaria* (Bergius) Roscoe but the basionym was published by Christmann, not by Bergius.

Cyphostigma Benth. — (A)

Cyphostigma Benth., Hooker's Icon. Pl. 14 (1882) t. 1380. — Type species: *Cyphostigma pulchellum* (Thwaites) Benth.

Notes — The only accepted species of this genus is *Cyphostigma pulchellum* (Thwaites) Benth. of Sri Lanka. *Cyphostigma kandariense* will probably be transferred to *Elettaria* or *Elettariopsis*.

Cyphostigma curtisii (Baker) K. Schum. = *Elettariopsis curtisii* Baker

Cyphostigma diphyllum K. Schum. = *Elettariopsis curtisii* Baker

Cyphostigma exertum Scort. = *Elettariopsis exerta* (Scort.) Baker

Cyphostigma kandariense (K. Schum.) K. Schum. — (P), see *Amomum kandariense* K. Schum.

Cyphostigma latiflorum (Ridl.) K. Schum. = *Elettariopsis curtisii* Baker

Cyphostigma longitubum (Ridl.) K. Schum. = *Elettaria longituba* (Ridl.) Holttum

Cyphostigma multiflora (Ridl.) K. Schum. = *Elettaria multiflora* (Ridl.) R.M. Sm.

Cyphostigma schmidtii (K. Schum.) K. Schum. = *Amomum biflorum* Jack

Cyphostigma serpentinum (Baker) K. Schum. = *Elettariopsis curtisii* Baker

Cyphostigma stoloniflorum (K. Schum.) K. Schum. = *Elettaria stoloniflora* (K. Schum.) S. Sakai & Nagam.

Cyphostigma surculosum (K. Schum.) K. Schum. = *Elettaria surculosa* (K. Schum.) B.L. Burtt & R.M. Sm.

Diracodes Blume = *Etlingera* Giseke

Diracodes javanica Blume = *Etlingera elatior* (Jack) R.M. Sm.

Donacodes Blume = *Hornstedtia* Retz.

Donacodes paludosa Blume = *Hornstedtia paludosa* (Blume) K. Schum.

Donacodes pininga Blume = *Hornstedtia pininga* (Blume) Valetton

Donacodes roseus Teijsm. & Binn., nom. nud. = *Etlingera rosea* B.L. Burtt & R.M. Sm., nom. nov.

Donacodes rubra Blume = *Hornstedtia rubra* (Blume) Valetton

Donacodes tomentosa Blume = *Hornstedtia tomentosa* (Blume) Bakh. f.

Donacodes villosa Teijsm. & Binn. = *Hornstedtia tomentosa* (Blume) Bakh. f.

Donacodes walang Blume = *Etlingera walang* (Blume) R.M. Sm.

Elettaria Maton — (A)

Elettaria Maton, Trans. Linn. Soc. London 10 (1811) 250. — Type species: *Elettaria cardamomum* (L.) Maton.

Revision status — **B**: Smith (1986), Sakai & Nagamasu (2000).

Distribution — Sumatra, Peninsular Malaysia, Sarawak, Java.

Elettaria alba Blume — (P)

Elettaria alba Blume, Enum. pl. Javae (1827) 53. — Combinations: *Alpinia alba* (Blume) D. Dietr., Syn. pl. 1 (1839) 12. — *Cardamomum album* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 686. — Type: *C.G.C. Reinwardt s.n.* (holo L!, iso L!).

Distribution — Java.

Elettaria anthodioides Teijsm. & Binn. = *Etlingera hemisphaerica* (Blume) R.M. Sm.

Elettaria atropurpurea Teijsm. & Binn. = *Etlingera hemisphaerica* (Blume) R.M. Sm.

Elettaria brachycalyx S. Sakai & Nagam. — (A)

Elettaria brachycalyx S. Sakai & Nagam., Edinburgh J. Bot. 57 (2000) 240. — Type: *G.C.G. Argent 705* (holo SAR), Gunung Mulu National Park.

Distribution — Sarawak.

Elettaria coccinea Blume = *Etlingera coccinea* (Blume) S. Sakai & Nagam.

Elettaria diepenhorstii Teijsm. & Binn. = *Etlingera diepenhorstii* (Teijsm. & Binn.) R.M. Sm.

Elettaria foetens Blume = *Etlingera foetens* (Blume) R.M. Sm.

Elettaria glaberrima Zoll. & Moritzi = *Etlingera walang* (Blume) R.M. Sm.

Elettaria hemisphaerica Blume = *Etlingera hemisphaerica* (Blume) R.M. Sm.

Elettaria kapitensis S. Sakai & Nagam. — (A)

Elettaria kapitensis S. Sakai & Nagam., Edinburgh J. Bot. 57 (2000) 233. — Type: *P.C. Yii & Abu Talib S 52286* (holo SAR), Kapit.

Distribution — Sarawak.

Elettaria linearicrista S. Sakai & Nagam. — (A)

Elettaria linearicrista S. Sakai & Nagam., Edinburgh J. Bot. 57 (2000) 236. — Type: *S. Sakai 189* (holo KYO), Lambir Hills National Park.

Distribution — Sarawak.

Elettaria longipilosa S. Sakai & Nagam. — (A)

Elettaria longipilosa S. Sakai & Nagam., Edinburgh J. Bot. 57 (2000) 238. — Type: *S. Sakai 413* (holo KYO), Lambir Hills National Park.

Distribution — Sarawak.

Elettaria longituba (Ridl.) Holttum — (A)

Elettaria longituba (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 238. — Basionym: *Elettariopsis longituba* Ridl., Trans. Linn. Soc. London, Bot. 3 (1893) 382. — *Cyphostigma longitubum* (Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 274. — Type: *H.N. Ridley 2403* (holo SING!, iso K), Pahang.

Elettariopsis aquatilis Ridl., Bull. Misc. Inform. (1925) 92. — Type: *C.J. Brooks 7923* (holo K), Sumatra, Bengkulu, Lebongtandai.

Distribution — Sumatra, Peninsular Malaysia.

Elettaria minor Blume = *Hornstedtia minor* (Blume) K. Schum.

Elettaria minuta Blume — (P)

Elettaria minuta Blume, Enum. pl. Javae (1827) 52. — Combinations: *Alpinia minuta* (Blume) D. Dietr., Syn. pl. 1 (1839) 12. — *Cardamomum minutum* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 687. — *Hornstedtia minuta* (Blume) K. Schum., Pflanzenr. IV, 46 (1904) 197. — Type: *Anon. s.n.* (holo L!).

Distribution — Java.

Elettaria mollis Blume — (P)

Elettaria mollis Blume, Enum. pl. Javae (1827) 52. — Combinations: *Cardamomum molle* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 687. — *Hornstedtia mollis* (Blume) Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 59. — Type: *H. Kuhl & J.C. van Hasselt s.n.* (L).

Distribution — Java.

Elettaria multiflora (Ridl.) R.M. Sm. — (A)

Elettaria multiflora (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 462. — Basionym: *Elettariopsis multiflora* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 157. — *Cyphostigma multiflora* (Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 273. — Type: *H.N. Ridley 8972* (holo K), Riau, Kelantan, near Siak.

Distribution — Sumatra, Sarawak.

Elettaria pallida Blume = *Etingera solaris* (Blume) R.M. Sm.

Elettaria paludosa (Blume) Miq. = *Hornstedtia paludosa* (Blume) K. Schum.

Elettaria punicea (Roxb.) Schult. = *Etingera punicea* (Roxb.) R.M. Sm.

Elettaria rubida R.M. Sm. — (A)

Elettaria rubida R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 66. — Type: *C. Hansen 328* (holo C!, iso E!), Gunung Mulu National Park.

Distribution — Sarawak.

Elettaria solaris Blume = *Etingera solaris* (Blume) R.M. Sm.

Elettaria speciosa Blume = *Etingera elatior* (Jack) R.M. Sm.

Elettaria stoloniflora (K. Schum.) S. Sakai & Nagam. — (A)

Elettaria stoloniflora (K. Schum.) S. Sakai & Nagam., Edinburgh J. Bot. 57 (2000) 231. — Basionym: *Amomum stoloniflorum* K. Schum., Bot. Jahrb. Syst. 27 (1899) 322. — *Cyphostigma stoloniflorum* (K. Schum.) K. Schum., Pflanzenr. IV, 46 (1904) 273. — *Elettariopsis stoloniflorum* (K. Schum.) Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 242. — Type: *O. Beccari* 365 (holo FI!), Kuching.

Distribution — Sarawak.

Elettaria surculosa (K. Schum.) B.L. Burt & R.M. Sm. — (A)

Elettaria surculosa (K. Schum.) B.L. Burt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 312. — Basionym: *Amomum surculosum* K. Schum., Bot. Jahrb. Syst. 27 (1899) 323. — *Cyphostigma surculosum* (K. Schum.) K. Schum., Pflanzenr. IV, 46 (1904) 273. — *Elettariopsis surculosa* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 603. — Type: *O. Beccari* 1586 (holo FI!), Gunung Matang.

Distribution — Sarawak.

Elettaria walang (Blume) Miq. = *Etingera walang* (Blume) R.M. Sm.

Elettariopsis Baker — (A)

Elettariopsis Baker, Fl. Brit. India 6 (1892) 251. — Type species: *Elettariopsis curtisii* Baker.

Revision status — **B**: Kam Yee Kiew (1982), Smith (1986).

Distribution — Sumatra, Peninsular Malaysia, Sarawak, Kalimantan, Sulawesi.

Elettariopsis aquatilis Ridl. = *Elettaria longituba* (Ridl.) Holttum

Elettariopsis burttiana Y.K. Kam — (A)

Elettariopsis burttiana Y.K. Kam, Notes Roy. Bot. Gard. Edinburgh 40 (1982) 144. — Type: *Kam Yee Kiew* 353 (holo KLU), Penang.

Distribution — Peninsular Malaysia.

Elettariopsis curtisii Baker — (A)

Elettariopsis curtisii Baker, Fl. Brit. India 6 (1892) 252. — *Cyphostigma curtisii* (Baker) K. Schum., Pflanzenr. IV, 46 (1904) 272. — Type: *C. Curtis* 1578 (holo K), Penang.

Elettariopsis serpentina Baker, Fl. Brit. India 6 (1892) 252. — *Cyphostigma serpentinum* (Baker) K. Schum., Pflanzenr. IV, 46 (1904) 272. — Type: *H.H. Kunstler* 1706 (SING).

Elettariopsis latiflora Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 154. — *Cyphostigma latiflorum* (Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 274. — Lectotype: *H.N. Ridley s.n. (1894)* (K, designated by Turner, 2000), Peninsular Malaysia.

Cyphostigma diphyllum K. Schum., Pflanzenr. IV, 46 (1904) 272. — *Elettariopsis diphylla* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 603. — Type: *J. Motley* 789 (syn K), *P.W. Korthals s.n.* (syn L).

Distribution — Peninsular Malaysia, Kalimantan.

Elettariopsis cyanescens Ridl. = *Haniffia cyanescens* (Ridl.) Holttum

Elettariopsis diphylla (K. Schum.) Loes. = *Elettariopsis curtisii* Baker

Elettariopsis exerta (Scort.) Baker — (A)

Elettariopsis exerta (Scort.) Baker, Fl. Brit. India 6 (1892) 251. — Basionym: *Cyphostigma exertum* Scort., Nuovo Giorn. Bot. Ital. 18 (1886) 310. — Type: *B. Scortechini 1947* (CAL).

Distribution — Peninsular Malaysia.

Elettariopsis fusiformis (Ridl.) Loes. = *Geocharis fusiformis* (Ridl.) R.M. Sm.

Elettariopsis kandariensis (K. Schum.) Loes. — (P), see *Amomum kandariense* K. Schum.**Elettariopsis kerbyi** R.M. Sm. — (A)

Elettariopsis kerbyi R.M. Sm., Edinburgh J. Bot. 47 (1990) 371. — Type: *J.A.R. Kerby 140* (holo E!), Gunung Mulu National Park.

Distribution — Sarawak.

Elettariopsis latiflora Ridl. = *Elettariopsis curtisii* Baker

Elettariopsis longituba Ridl. = *Elettaria longituba* (Ridl.) Holttum

Elettariopsis multiflora Ridl. = *Elettaria multiflora* (Ridl.) R.M. Sm.

Elettariopsis puberula Ridl. — (P)

Elettariopsis puberula Ridl., Bull. Misc. Inform. (1926) 88. — Type: *C.B. Kloss SFN 14742* (holo SING!), West Sumatra, Pulau Sipora.

Distribution — Sumatra.

Elettariopsis pubescens Ridl. = *Amomum biflorum* Jack

Elettariopsis schmidtii K. Schum. = *Amomum biflorum* Jack

Elettariopsis serpentina Baker = *Elettariopsis curtisii* Baker

Elettariopsis smithiae Y.K. Kam — (A)

Elettariopsis smithiae Y.K. Kam, Notes Roy. Bot. Gard. Edinburgh 40 (1982) 148. — Type: *I.C. Beltran 110* (holo KLU), Selangor.

Distribution — Peninsular Malaysia.

Elettariopsis smithiae var. **rugosa** Y.K. Kam — (A)

Elettariopsis smithiae var. *rugosa* Y.K. Kam, Notes Roy. Bot. Gard. Edinburgh 40 (1982) 150. — Type: *Kam Yee Kiew 228* (holo KLU), Penang.

Distribution — Peninsular Malaysia.

Elettariopsis stenosphon (K. Schum.) B.L. Burt & R.M. Sm. — (A)

Elettariopsis stenosphon (K. Schum.) B.L. Burt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 312. — Basionym: *Amomum stenosphon* K. Schum., Bot. Jahrb. Syst. 27 (1899) 320.

— *Languas stenosphon* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 35. — Type: *O. Beccari 3311* (holo FI!, iso E!), Batang Lupar, near Marop.

Distribution — Sarawak.

Elettariopsis stoloniflorum (K. Schum.) Ridl. = *Elettaria stoloniflora* (K. Schum.) S. Sakai & Nagam.

***Elettariopsis sumatrana* Valetton — (P)**

Elettariopsis sumatrana Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 148. — Type: *K. Heyne 1631* (holo BO), Palembang.

Distribution — Sumatra.

Elettariopsis surculosa (K. Schum.) Loes. = *Elettaria surculosa* (K. Schum.) B.L. Burt & R.M. Sm.

Elmeria Ridl., nom. illeg. = *Alpinia* Roxb., nom. cons.

Elmeria bifida Ridl., nom. illeg. = *Alpinia paradoxa* (Ridl.) Loes.

Elmeria pinetorum Ridl. = *Alpinia pinetorum* (Ridl.) Loes.

Eriolopha Ridl. = *Alpinia* Roxb., nom. cons.

Eriolopha flagellaris Ridl. = *Alpinia flagellaris* (Ridl.) Loes.

Eriolopha juliformis Ridl. = *Alpinia juliformis* (Ridl.) R.M. Sm.

Eriolopha klossii Ridl. = *Alpinia klossii* (Ridl.) R.M. Sm.

Eriolopha meyeri Ridl. = *Alpinia domatifera* Valetton

Eriolopha multispica Ridl. = *Alpinia multispica* (Ridl.) Loes.

***Eriolopha ovalifolia* Ridl. — (P)**

Eriolopha ovalifolia Ridl., Proc. Roy. Soc. Queensland 34 (1923) 20. — Type: *C.T. White 656*.

Distribution — Papua New Guinea.

Eriolopha platylopha Ridl. = *Alpinia platylopha* (Ridl.) Loes.

Eriolopha rigida (Ridl.) Ridl. = *Alpinia rigida* Ridl.

Eriolopha sericea Ridl. = *Alpinia bodenii* R.M. Sm., nom. nov.

Eriolopha seticalyx Ridl. = *Alpinia strobilacea* K. Schum.

Eriolopha tristachya Ridl. = *Alpinia tristachya* (Ridl.) Loes.

***Etlingera* Giseke — (A)**

Etlingera Giseke, Prael. ord. nat. pl. (1792) 209. — Type species: *Etlingera littoralis* (J. König) Giseke.

Geanthus Reinw., Syll. Pl. Nov. 2 (1826) 5. — Type species: *Elettaria coccinea* Blume.
Diracodes Blume, Enum. pl. Javæ (1827) 55. — Type species: *Diracodes javanica* Blume
Achasma Griff., Not. pl. asiat. 3 (1851) 411. — Type species: *Achasma megalocheilos* Griff.
Nicolaia Horan., Prodr. Monogr. Scitam. (1862) 32. — Type species: *Nicolaia imperialis* Horan.
Cardamomum Kuntze, Revis. gen. pl. 2 (1891) 685. — Type species: Not designated.
Hornstedtia Sect. *Phaeomeria* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 139. — *Phaeomeria*
(Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 259. — Type species: *Hornstedtia imperialis* (Horan.)
Ridl.

Revision status — **A**: A.D. Poulsen (in prep.).

Distribution — Thailand, Sumatra, Peninsular Malaysia, Sarawak, Brunei, Sabah, Kalimantan, Java, Philippines, Sulawesi, Moluccas, West Papua, Papua New Guinea.

Notes — *Etilingera* has been studied much more thoroughly in Peninsular Malaysia and Singapore than in any other part of its range. Conflicting views exist among experts which will only be resolved by a revision across the range of the genus. Some new combinations have been made in preparation for this checklist (Poulsen, 2003) but others, from *Amomum*, *Elettaria*, *Geanthus*, *Nicolaia* and *Phaeomeria*, await better material.

***Etilingera angustifolia* (Valeton) R.M. Sm. — (A)**

Etilingera angustifolia (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 243. —
Basionym: *Geanthus angustifolius* Valeton, Nova Guinea 8 (1913) 933. — Type: *G.M. Versteeg*
1443 (syn BO!, L!), 1549 (syn BO!, L).

Distribution — West Papua.

***Etilingera apus-hang* C.K. Lim — (P)**

Etilingera apus-hang C.K. Lim, Folia Malaysiana 2(3) (2001) 161. — Type: *C.K. Lim & A. Busu*
L4201 (holo KEP!), Perak.

Distribution — Peninsular Malaysia.

***Etilingera baramensis* S. Sakai & Nagam. — (A)**

Etilingera baramensis S. Sakai & Nagam., Edinburgh J. Bot. 60 (2003) 186. — Type: *S. Sakai 404*
(holo KYO, iso SAR), Lambir Hills National Park.

Distribution — Sarawak.

***Etilingera belalongensis* A.D. Poulsen — (A)**

Etilingera belalongensis A.D. Poulsen, Nordic J. Bot. 19 (1999) 141. — Type: *A.D. Poulsen 130*
(holo AAU!, iso BRUN!, K!), Batu Apoi Forest Reserve.

Distribution — Brunei.

***Etilingera brachychila* (Ridl.) R.M. Sm. — (A)**

Etilingera brachychila (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 243. — Basio-
nym: *Hornstedtia brachychila* Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 239. — Lecto-
type: *H.N. Ridley s.n. (July 1903)* (K!), designated by Turner, 2000), Bau.

Distribution — Sarawak.

Etlingera brevilabrum (Valeton) R.M. Sm. — (A)

Etlingera brevilabrum (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 243. — Basionym: *Achasma brevilabrum* Valeton, Icon. Bogor. 3 (1906) t. 202. — *Hornstedtia brevilabris* (Valeton) Merr., Bibl. enum. Born. pl. (1921) 125. — *Geanthus brevilabris* (Valeton) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 591. — Lectotype: *Anon. s.n. (HB XI B (V) 144)* (L, designated by Sakai & Nagamasu, 2003, isolecto BO!).

Distribution — Borneo.

Etlingera bromeliopsis (Valeton) R.M. Sm. — (A)

Etlingera bromeliopsis (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43(2) (1986) 243. — Basionym: *Geanthus bromeliopsis* Valeton, Nova Guinea 8 (1913) 935. — Type: *G.M. Versteeg 1717* (holo BO!, iso L!).

Distribution — West Papua.

Etlingera calycina (Valeton) R.M. Sm. — (A)

Etlingera calycina (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 244. — Basionym: *Geanthus calycinus* Valeton, Nova Guinea 8 (1913) 931. — Type: *K. Gjellerup 257* (syn BO!), *L.S.A.M. von Römer 420, 918* (syn BO!), *G.M. Versteeg 1188* (syn BO!, L!).

Distribution — West Papua, Papua New Guinea.

Etlingera caudiculata (Ridl.) R.M. Sm. — (A)

Etlingera caudiculata (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 244. — Basionym: *Phaemeria caudiculata* Ridl., J. Malayan Branch Roy. Asiat. Soc 1 (1923) 100. — Type: *H.N. Ridley s.n. (07 February 1921)* (holo K!), North Sumatra, Berastagi forest.

Distribution — Sumatra.

Etlingera coccinea (Blume) S. Sakai & Nagam. — (A) [see p. 163]

Etlingera coccinea (Blume) S. Sakai & Nagam., Edinburgh J. Bot. 60 (2003) 190. — Basionym: *Elettaria coccinea* Blume, Enum. pl. Javae (1827) 53. — *Geanthus coccineus* Reinw., nom. nud., Catalogus (1823) 29. — *Alpinia coccinea* (Blume) D. Dietr., Syn. pl. 1 (1839) 12. — *Cardamomum coccineum* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 686. — *Amomum coccineum* (Blume) K. Schum., Bot. Jahrb. Syst. 27 (1899) 305. — *Achasma coccineum* (Blume) Valeton, Bull. Inst. Bot. Buitenzorg 20 (1904) 93. — Lectotype: *H. Kuhl & J.C. van Hasselt s.n.* (L!, designated by Sakai & Nagamasu, 2003).

Distribution — Peninsular Malaysia, Sarawak, Java.

Etlingera corneri Mood & H. Ibrahim — (A)

Etlingera corneri Mood & H. Ibrahim, Nordic J. Bot. 20 (2000) 282. — Type: *Vitton L91.443* (holo KLU, iso E!), Narathiwat.

Etlingera terengganuensis C.K. Lim, Folia Malaysiana 1(1) (2000) 9. — Type: *L.G. Saw FRI 39880* (holo KEP, iso K!, L!, SAR!), Terengganu.

Distribution — Thailand, Peninsular Malaysia.

Etlingera corrugata A.D. Poulsen & Mood — (A)

Etlingera corrugata A.D. Poulsen & Mood, Nordic J. Bot. 19 (1999) 143. — Type: *Magintan, A.D. Poulsen & Albaek 535* (holo AAU), Danum Valley.

Distribution — Sabah.

Etilingera crispata C.K. Lim — (P)

Etilingera crispata C.K. Lim, Folia Malaysiana 2(3) (2001) 165. — Type: C.K. Lim L4841 (holo KEP!), Negeri Sembilan.

Distribution — Peninsular Malaysia.

Etilingera dalican (Elmer) A.D. Poulsen — (A)

Etilingera dalican (Elmer) A.D. Poulsen, Blumea 48 (2003) 524. — Basionym: *Hornstedtia dalican* Elmer, Leaflet Philipp. Bot. 8 (1915) 2906. — *Amomum dalican* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 238. — Lectotype: A.D.E. Elmer 11626 (UC!), designated by Poulsen 2003, isolecto BO!, FI!, G!, GH!, L!, U!), Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Etilingera dekokkii (Valeton) R.M. Sm. — (A)

Etilingera dekokkii (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 244. — Basionym: *Geanthus dekokkii* Valeton, Nova Guinea 8 (1913) 932. — Type: A.C. de Kock 2 (holo BO).

Distribution — West Papua.

Etilingera densiuscula (Valeton) R.M. Sm. — (A)

Etilingera densiuscula (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 244. — Basionym: *Geanthus densiusculus* Valeton, Bot. Jahrb. Syst. 52 (1914) 56. — Type: F.R.R. Schlechter 16789.

Distribution — Papua New Guinea.

Etilingera diepenhorstii (Teijsm. & Binn.) R.M. Sm. — (A)

Etilingera diepenhorstii (Teijsm. & Binn.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 244. — Basionym: *Elettaria diepenhorstii* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 24 (1862) 326. — *Phaeomeria diepenhorstii* (Teijsm. & Binn.) K. Schum., Pflanzenr. IV, 46 (1904) 265. — *Nicolaia diepenhorstii* (Teijsm. & Binn.) Valeton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 129. — Type: J.E. Teijsmann s.n. (holo BO!).

Distribution — Sumatra.

Notes — The number 10 was added to the sheet in red ink later.

Etilingera elatior (Jack) R.M. Sm. — (A)

Etilingera elatior (Jack) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 244. — Basionym: *Alpinia elatior* Jack, Descriptions of Malayan plants 2(7) (1822) 2. — *Nicolaia elatior* (Jack) Horan., Prodr. Monogr. Scitam. (1862) 32. — Type: W. Jack s.n. (1818), specimen lost.

Geanthus speciosus Reinw., nom. nud., Catalogus (1823) 29.

Diracodes javanica Blume, Enum. pl. Javae (1827) 55. — *Alpinia javanica* (Blume) D. Dietr., Syn. pl. 1 (1839) 13. — *Alpinia acrostachya* Steud., Nomencl. bot. 2 (1840) 62. — *Alpinia diracodes* Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 614. — Type: C.G.C. Reinwardt s.n. (holo L!), Harian.

Elettaria speciosa Blume, Enum. pl. Javae (1827) 51. — *Alpinia speciosa* (Blume) D. Dietr., Syn. pl. 1 (1839) 13. — *Nicolaia speciosa* (Blume) Horan., Prodr. Monogr. Scitam. (1862) 32. — *Phaeomeria speciosa* (Blume) Koord., Exkurs.-Fl. Java 1 (1911) 332. — Lectotype: *H. Kuhl & J.C. van Hasselt s.n.* (L!, designated by Sakai & Nagamasu, 2003), Java.

Alpinia magnifica Roscoe, Monandr. pl. Scitam. (1828) t. 75. — *Nicolaia imperialis* Horan., Prodr. Monogr. Scitam. (1862) 32. — *Amomum magnificum* (Roscoe) Benth., nom. invalid., Gen. pl. 3 (1883) 644. — *Cardamomum magnificum* (Roscoe) Kuntze, Revis. gen. pl. 2 (1891) 687. — *Hornstedtia imperialis* (Horan.) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 148. — *Nicolaia magnifica* (Roscoe) K. Schum. ex Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 35. — *Phaeomeria magnifica* (Roscoe) K. Schum., Pflanzenr. IV, 46 (1904) 262. — Type: *C. Telfair s.n.* (1825).

Nicolaia intermedia Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 133. — Type: *Anon. s.n.* (*HB XI B IV 101*) (holo BO!), Java.

Distribution — Sumatra, Kalimantan, Java, Philippines.

***Etlingera elatior* var. *alba* Todam & C.K. Lim — (P)**

Etlingera elatior var. *alba* Todam & C.K. Lim, Folia Malaysiana 2(3) (2001) 170. — Type: *S. Todam & B. Kharukanant KT1990* (holo BKF), Betong.

Distribution — Thailand.

***Etlingera elatior* var. *pileng* Ongsakul & C.K. Lim — (P)**

Etlingera elatior var. *pileng* Ongsakul & C.K. Lim, Folia Malaysiana 2(3) (2001) 169. — Type: *Ongsakul & C.K. Lim L5078* (holo BKF), Narathiwat.

Distribution — Thailand.

***Etlingera fimbriobracteata* (K. Schum.) R.M. Sm. — (A)**

Etlingera fimbriobracteata (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 245. — Basionym: *Amomum fimbriobracteatum* K. Schum., Bot. Jahrb. Syst. 27 (1899) 317. — *Geanthus fimbriobracteatus* (K. Schum.) B.L. Burtt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 312. — Type: *O. Beccari 3735* (holo FI!).

Distribution — Sarawak.

***Etlingera foetens* (Blume) R.M. Sm. — (A)**

Etlingera foetens (Blume) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 245. — Basionym: *Elettaria foetens* Blume, Enum. pl. Javae (1827) 52. — *Alpinia foetens* (Blume) D. Dietr., Syn. pl. 1 (1839) 12. — *Cardamomum foetens* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 686. — *Achasma foetens* (Blume) Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 93. — *Hornstedtia foetens* (Blume) K. Schum., Pflanzenr. IV, 46 (1904) 200. — *Geanthus foetens* (Blume) Valetton ex A.W.K. de Jong, Jaarb. Dep. Landb. Nijverh. Handel Ned.-Indië 1917 (1919) 78. — Type: *C.L. von Blume s.n.* (holo L!).

Distribution — Java.

***Etlingera fulgens* (Ridl.) C.K. Lim — (A)**

Etlingera fulgens (Ridl.) C.K. Lim, Folia Malaysiana 1(1) (2000) 6. — Basionym: *Hornstedtia fulgens* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 149. — *Phaeomeria fulgens* (Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 262. — *Nicolaia fulgens* (Ridl.) K. Larsen, Nat. Hist. Bull. Siam Soc. 23 (1970) 575. — Lectotype: *H.N. Ridley 6887* (K!, designated by Holttum, 1950), Perak, Larut Hills.

Distribution — Peninsular Malaysia.

***Etilingera goliathensis* (Valeton) R.M. Sm. — (A)**

Etilingera goliathensis (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 245. — Basionym: *Geanthus goliathensis* Valeton, Nova Guinea 8 (1913) 935. — Type: A.C. de Kock 155 (holo BO).

Distribution — West Papua.

***Etilingera gracilis* (Valeton) R.M. Sm. — (A)**

Etilingera gracilis (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 245. — Basionym: *Nicolaia gracilis* Valeton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 130. — Type: K. Heyne 179 (holo BO), Lampung.

Distribution — Sumatra.

***Etilingera grandiflora* (Valeton) R.M. Sm. — (A)**

Etilingera grandiflora (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 245. — Basionym: *Geanthus grandiflorus* Valeton, Bot. Jahrb. Syst. 52 (1914) 56. — Type: F.R.R. Schlechter s.n. (BO).

Distribution — Papua New Guinea.

***Etilingera grandiligulata* (K. Schum.) R.M. Sm. — (A)**

Etilingera grandiligulata (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 245. — Basionym: *Amomum grandiligulatum* K. Schum., Bot. Jahrb. Syst. 27 (1899) 308. — *Phaeomeria grandiligulata* (K. Schum.) K. Schum., Pflanzenz. IV, 46 (1904) 263. — *Nicolaia grandiligulata* (K. Schum.) Valeton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 131. — Type: O. Beccari 303 (holo FI!), West Sumatra, Gunung Singalang.

Distribution — Sumatra.

***Etilingera heliconiifolia* (K. Schum.) A.D. Poulsen — (A)**

Etilingera heliconiifolia (K. Schum.) A.D. Poulsen, Blumea 48 (2003) 525. — Basionym: *Amomum heliconiifolium* K. Schum., Pflanzenz. IV, 46 (1904) 227. — *Geanthus heliconiifolius* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 593. — Type: K.F. & P.B. Sarasin 620 (syn), North Sulawesi, O. Warburg 15139 (syn), North Sulawesi.

Distribution — Sulawesi.

***Etilingera hemisphaerica* (Blume) R.M. Sm. — (A)**

Etilingera hemisphaerica (Blume) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 245. — Basionym: *Elettaria hemisphaerica* Blume, Enum. pl. Javae (1827) 51. — *Alpinia hemisphaerica* (Blume) D. Dietr., Syn. pl. 1 (1839) 13. — *Nicolaia hemisphaerica* (Blume) Horan., Prodr. Monogr. Scitam. (1862) 32. — *Cardamomum hemisphaericum* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 686. — *Amomum hemisphaericum* (Blume) K. Schum., Bot. Jahrb. Syst. 27 (1899) 307. — *Phaeomeria hemisphaerica* (Blume) K. Schum., Pflanzenz. IV, 46 (1904) 263. — Type: C.L. von Blume s.n. (holo L!), Java.

Elettaria anthodioides Teijsm. & Binn., Ned. Kruidk. Arch. 3 (1855) 392. — *Amomum anthodioides* (Teijsm. & Binn.) Koord., Meded. Lands Plantentuin 19 (1898) 318. — *Phaeomeria anthodioides* (Teijsm. & Binn.) Koord., Exkurs.-Fl. Java 1 (1911) 332. — *Nicolaia anthodioides* (Teijsm. &

- Binn.) Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 128. — Type: *J.E. Teijsmann s.n.* (iso P!), Java.
- Elettaria atropurpurea* Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 24 (1862) 327. — *Phaeomeria atropurpurea* (Teijsm. & Binn.) K. Schum., Pflanzenz. IV, 46 (1904) 266. — *Nicolaia atropurpurea* (Teijsm. & Binn.) Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 128. — Type: *J.E. Teijsmann s.n.*
- Nicolaia sanguinea* Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 36. — *Phaeomeria sanguinea* (Valetton) Koord., Exkurs.-Fl. Java 1 (1911) 332. — Type: *Anon. s.n.* (BO).
- Nicolaia rostrata* Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 134. — *Phaeomeria rostrata* (Valetton) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 594. — Type: *H.A.B. Bünnemeyer 809* (holo BO!), Gunung Talaman (“Ophir”).
- Nicolaia rostrata* var. *talangensis* Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 135. — Type: *H.A.B. Bünnemeyer 5298, 5299, 5431* (syn BO!), West Sumatra, Gunung Talang.

Distribution — Sumatra, Java.

***Etlingera heyniana* (Valetton) R.M. Sm. — (A)**

- Etlingera heyniana* (Valetton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 246. — Basionym: *Nicolaia heyniana* Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 132. — *Phaeomeria heyniana* (Valetton) Burkill, Bull. Misc. Inform. (1935) 318. — *Amomum heynianum* (Valetton) Bakh. f., Bekn. fl. Java 18 (1958) 31. — Type: *K. Heyne s.n.* (holo BO!).

Distribution — Java.

***Etlingera inundata* S. Sakai & Nagam. — (A)**

- Etlingera inundata* S. Sakai & Nagam., Edinburgh J. Bot. 60 (2003) 193. — Type: *S. Sakai 412* (holo KYO, iso SAR), Lambir Hills National Park.

Distribution — Sarawak.

***Etlingera labellosa* (K. Schum.) R.M. Sm. — (A)**

- Etlingera labellosa* (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 246. — Basionym: *Amomum labellosum* K. Schum., Fl. Kais. Wilh. Land (1889) 27. — *Achasma labellosum* (K. Schum.) Valetton, Bot. Jahrb. Syst. 52 (1914) 55. — Type: *U.M. Hollrung 266* (holo B), Kaiserin Augusta (Sepik) River.

Distribution — Papua New Guinea.

***Etlingera latifolia* (Valetton) R.M. Sm. — (A)**

- Etlingera latifolia* (Valetton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 246. — Basionym: *Geanthus latifolius* Valetton, Nova Guinea 8 (1913) 934. — Type: *G.M. Versteeg 1273* (holo BO!, iso L!), West Papua.

Distribution — West Papua, Papua New Guinea.

***Etlingera littoralis* (J. König) Giseke — (A) [see p. 163]**

- Etlingera littoralis* (J. König) Giseke, Prael. ord. nat. pl. (1792) 209, 229, 251. — Basionym: *Amomum littorale* J. König, Observ. bot. 3 (1783) 52. — *Cardamomum littorale* (J. König) Kuntze, Revis. gen. pl. 2 (1891) 686. — Type: *J.G. König s.n.*, specimen lost.
- Achasma megalochelios* Griff., Not. pl. asiat. 3 (1851) 426. — *Amomum megalochelios* (Griff.) Baker, Fl. Brit. India 6 (1892) 236. — *Hornstedtia megalochelios* (Griff.) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 146. — Type: *W. Griffith s.n.* (holo K), Malacca.

Distribution — Peninsular Malaysia.

***Etilingera loerzingii* (Valeton) R.M. Sm. — (A)**

Etilingera loerzingii (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 247. — Basionym: *Nicolaia loerzingii* Valeton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 136. — Type: *J.A. Lörzing 4299* (holo BO!), Deli.

Distribution — Sumatra.

***Etilingera longifolia* (K. Schum.) A.D. Poulsen — (A)**

Etilingera longifolia (K. Schum.) A.D. Poulsen, Blumea 48 (2003) 525. — Basionym: *Amomum longifolium* K. Schum., Bot. Jahrb. Syst. 27 (1899) 318. — *Geanthus longifolius* (K. Schum.) Valeton, Nova Guinea 8 (1913) 936. — Lectotype: *O. Beccari 952* (FI!, designated by Poulsen, 2003), Arfak Mts, near Putat.

Distribution — West Papua.

***Etilingera longipetala* (Valeton) R.M. Sm. — (A)**

Etilingera longipetala (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 247. — Basionym: *Geanthus longipetalus* Valeton, Nova Guinea 8 (1913) 931. — Type: *M. Moszkowski 131* (holo BO!).

Distribution — West Papua.

***Etilingera longipetiolata* (B.L. Burt & R.M. Sm.) R.M. Sm. — (A)**

Etilingera longipetiolata (B.L. Burt & R.M. Sm.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 247. — Basionym: *Geanthus longipetiolatus* B.L. Burt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 313. — Type: *B.L. Burt & A.M. Martin B 5343* (holo E!).

Distribution — Sarawak.

***Etilingera maingayi* (Baker) R.M. Sm. — (A)**

Etilingera maingayi (Baker) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 247. — Basionym: *Amomum maingayi* Baker, Fl. Brit. India 6 (1892) 235. — *Hornstedtia maingayi* (Baker) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 150. — *Phaeomeria maingayi* (Baker) K. Schum., Pflanzenr. IV, 46 (1904) 266. — *Nicolaia maingayi* (Baker) K. Larsen, Nat. Hist. Bull. Siam Soc. 23 (1970) 575. — Type: *A.C. Maingay 1586* (holo K!), Malacca.

Distribution — Peninsular Malaysia.

***Etilingera maingayi* var. *longibracteata* (Holttum) I.M. Turner — (A)**

Etilingera maingayi var. *longibracteata* (Holttum) I.M. Turner, Novon 6 (1996) 223. — Basionym: *Phaeomeria maingayi* var. *longibracteata* Holttum, Gard. Bull. Singapore 13 (1950) 180. — Type: *M.R. Henderson SFN 24522* (holo SING!, iso BO!, K!), Pahang.

Distribution — Peninsular Malaysia.

***Etilingera maingayi* var. *ovata* C.K. Lim — (P)**

Etilingera maingayi var. *ovata* C.K. Lim, Folia Malaysiana 1(1) (2000) 6. — Type: *C.K. Lim L4342* (holo KEP!), Pahang.

Distribution — Peninsular Malaysia.

***Etlingera metriocheilos* (Griff.) R.M. Sm. — (A)**

Etlingera metriocheilos (Griff.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 247. — Basionym: *Achasma metriocheilos* Griff., Not. pl. asiat. 3 (1851) 427. — *Amomum metriocheilos* (Griff.) Baker, Fl. Brit. India 6 (1892) 234. — *Hornstedtia metriocheilos* (Griff.) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 147. — Type: *W. Griffith 5758* (holo K!), Malacca.

Amomum sphaerocephalum Baker, Fl. Brit. India 6 (1892) 234. — *Hornstedtia sphaerocephala* (Baker) K. Schum., Pflanzen. IV, 46 (1904) 192. — *Achasma sphaerocephalum* (Baker) Holttum, Gard. Bull. Singapore 13 (1950) 189. — *Etlingera sphaerocephala* (Baker) C.K. Lim, Folia Malaysiana 2(3) (2001) 150. — Type: *A.C. Maingay 1581* (holo K!), Penang.

Hornstedtia albomarginata Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 145. — Lectotype: *H.N. Ridley 7233* (K!, designated by Turner, 2000), Perak.

Hornstedtia spatulata Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 240. — Lectotype: *H.N. Ridley s.n.* (K!, designated by Turner, 2000, isolecto E!), Gunung Matang.

Distribution — Peninsular Malaysia, Sarawak, Sabah.

***Etlingera metriocheilos* var. *grandiflora* (Holttum) I.M. Turner — (A)**

Etlingera metriocheilos var. *grandiflora* (Holttum) I.M. Turner, Novon 6 (1996) 223. — Basionym: *Achasma sphaerocephalum* var. *grandiflorum* Holttum, Gard. Bull. Singapore 13 (1950) 191. — *Etlingera sphaerocephala* var. *grandiflora* (Holttum) C.K. Lim, Folia Malaysiana 2(3) (2001) 154. — Type: *E.J.H. Corner SFN 30234* (holo SING!, iso K!), Terengganu.

Distribution — Peninsular Malaysia.

***Etlingera metriocheilos* var. *major* (Holttum) I.M. Turner — (A)**

Etlingera metriocheilos var. *major* (Holttum) I.M. Turner, Novon 6 (1996) 223. — Basionym: *Achasma sphaerocephalum* var. *majus* Holttum, Gard. Bull. Singapore 13 (1950) 190. — *Etlingera sphaerocephala* var. *major* (Holttum) C.K. Lim, Folia Malaysiana 2(3) (2001) 154. — Type: *E.J.H. Corner SFN 30205* (holo SING!, iso BO!), Kemaman.

Distribution — Peninsular Malaysia.

***Etlingera metriocheilos* var. *petiolata* (Holttum) I.M. Turner — (A)**

Etlingera metriocheilos var. *petiolata* (Holttum) I.M. Turner, Novon 6 (1996) 223. — Basionym: *Achasma sphaerocephalum* var. *petiolatum* Holttum, Gard. Bull. Singapore 13 (1950) 191. — *Etlingera sphaerocephala* var. *petiolata* (Holttum) C.K. Lim, Folia Malaysiana 2(3) (2001) 156. — Lectotype: *E.J.H. Corner SFN 30745* (SING!, designated by Turner, 1996, isolecto K!), Johore.

Distribution — Peninsular Malaysia.

***Etlingera metriocheilos* var. *rubrostriata* (Holttum) I.M. Turner — (A)**

Etlingera metriocheilos var. *rubrostriata* (Holttum) I.M. Turner, Novon 6 (1996) 223. — Basionym: *Achasma sphaerocephalum* var. *rubrostriatum* Holttum, Gard. Bull. Singapore 13 (1950) 190. — *Etlingera rubrostriata* (Holttum) C.K. Lim, Folia Malaysiana 2(3) (2001) 157. — Type: *E.J.H. Corner SFN 30776* (holo SING!), Selangor.

Distribution — Peninsular Malaysia.

Etilingera minor (Ridl.) R.M. Sm. — (A)

Etilingera minor (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 247. — Basionym: *Phaeomeria minor* Ridl., Bull. Misc. Inform. (1926) 89. — Type: *C.B. Kloss 14560* (holo K!), West Sumatra, Pulau Siberut.

Distribution — Sumatra.

Etilingera moluccana (K. Schum.) R.M. Sm. — (A)

Etilingera moluccana (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 248. — Basionym: *Phaeomeria moluccana* K. Schum., Pflanzenr. IV, 46 (1904) 266. — Type: *W.H. de Vriese & J.E. Teijsmann s.n.* (BO).

Distribution — Moluccas.

Etilingera muluensis R.M. Sm. — (A)

Etilingera muluensis R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 455. — Type: *G.C.G. Argent, B. Coppins & A.C. Jermy 1066* (holo E!), Gunung Mulu National Park.

Distribution — Sarawak, Sabah.

Etilingera nasuta (K. Schum.) R.M. Sm. — (A)

Etilingera nasuta (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 248. — Basionym: *Amomum nasutum* K. Schum., Bot. Jahrb. Syst. 27 (1899) 320. — *Achasma nasutum* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 596. — Type: *O. Beccari 315* (holo FI!, iso G!), Kuching.

Hornstedtia hewittii Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 241. — Lectotype: *J. Hewitt 38* (K!), designated by Turner, 2000, Santubong.

Hornstedtia licmeres Ridl., J. Straits Branch Roy. Asiat. Soc. 49 (1907) 44. — Type: *J. Hewitt s.n.* (16.09.1905) (holo SAR!), Kuching.

Distribution — Sarawak.

Etilingera nasuta var. **reticulata** R.M. Sm. — (A)

Etilingera nasuta var. *reticulata* R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 446. — Type: *P.W. Richards 1819* (holo K!), Dulit Range.

Distribution — Sarawak.

Etilingera newmanii S. Sakai & Nagam. — (A)

Etilingera newmanii S. Sakai & Nagam., Edinburgh J. Bot. 60 (2003) 195. — Type: *S. Sakai 83* (holo KYO, iso SAR), Lambir Hills National Park.

Distribution — Sarawak.

Etilingera pandanicarpa (Elmer) A.D. Poulsen — (A)

Etilingera pandanicarpa (Elmer) A.D. Poulsen, Blumea 48 (2003) 525. — Basionym: *Amomum pandanicarpum* Elmer, Leaf. Philipp. Bot. 8 (1915) 2899. — *Hornstedtia pandanicarpa* (Elmer) Elmer, Leaf. Philipp. Bot. 8 (1919) 2979. — Type: *A.D.E. Elmer 10508* (iso BO!, FI!, G!, GH!, L!, U!), Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Etlingera parva (Valeton) R.M. Sm. — (A)

Etlingera parva (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 248. — Basionym: *Geanthus parvus* Valeton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 145. — *Amomum parvum* (Valeton) Bakh. f., Bekn. fl. Java 18 (1958) 30. — Type: C.A. Backer 8887 (holo BO!).

Distribution — Java.

Etlingera pauciflora (Ridl.) R.M. Sm. — (A)

Etlingera pauciflora (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 248. — Basionym: *Hornstedtia pauciflora* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 144. — *Achasma pauciflorum* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 187. — Type: H.N. Ridley 8174 (holo K!), Selangor.

Distribution — Peninsular Malaysia.

Etlingera peekelii (Valeton) R.M. Sm. — (A)

Etlingera peekelii (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 248. — Basionym: *Nicolaia peekelii* Valeton, Bot. Jahrb. Syst. 52 (1914) 54. — *Phaeomeria peekelii* (Valeton) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 594. — Type: G. Peekel 715 (holo BO!), New Ireland.

Distribution — Papua New Guinea.

Etlingera philippinensis (Ridl.) R.M. Sm. — (A)

Etlingera philippinensis (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 248. — Basionym: *Hornstedtia philippinensis* Ridl., Publ. Bur. Sci. Gov. Lab. (1905) 86. — *Amomum philippinense* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 240. — *Achasma philippinensis* (Ridl.) B.L. Burt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 307. — Type: W.W. Clark 1704 (syn), Masbate, E.B. Copeland 416 (syn K!, SING!), Mindanao, Davao.

Distribution — Philippines.

Etlingera pieei S.H. Khaw — (A)

Etlingera pieei S.H. Khaw, Gard. Bull. Singapore 53 (2001) 221. — Type: S.H. Khaw KSH 420 (holo KEP!, iso KLU), Perak.

Distribution — Peninsular Malaysia.

Etlingera polyantha (Valeton) R.M. Sm. — (A)

Etlingera polyantha (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 248. — Basionym: *Geanthus polyanthus* Valeton, Nova Guinea 8 (1913) 932. — Type: L.S.A.M. von Römer 959 (holo BO!), West Papua.

Distribution — West Papua.

Etlingera polycarpa (K. Schum.) A.D. Poulsen — (A)

Etlingera polycarpa (K. Schum.) A.D. Poulsen, Blumea 48 (2003) 525. — Basionym: *Amomum polycarpum* K. Schum., Pflanzenr. IV, 46 (1904) 226. — *Geanthus polycarpus* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 592. — Type: K.F. & P.B. Sarasin 410 (holo B), North Sulawesi, Tomohon.

Distribution — Sulawesi.

Etilingera pubescens (B.L. Burtt & R.M. Sm.) R.M. Sm. — (A)

Etilingera pubescens (B.L. Burtt & R.M. Sm.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 248. — Basionym: *Geanthus pubescens* B.L. Burtt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 314. — Type: *B.L. Burtt & A.M. Martin B 5366* (holo E!, iso SAR, U!).

Distribution — Sarawak.

Etilingera punicea (Roxb.) R.M. Sm. — (A) [see p. 163]

Etilingera punicea (Roxb.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 249. — Basionym: *Alpinia punicea* Roxb., Fl. ind. 1 (1820) 71. — *Elettaria punicea* (Roxb.) Schult., Mant. I (1822) 24. — *Hornstedtia punicea* (Roxb.) K. Schum., Pflanzenr. IV, 46 (1904) 197. — *Achasma puniceum* (Roxb.) Loes., Notizbl. Bot. Gart. Berlin-Dahlem 10 (1927) 62. — Lectotype: *Icones Roxburghianae 2007* (K, designated by Smith, 1986), Sumatra.

Achasma macrocheilos Griff., Not. pl. asiat. 3 (1851) 429. — *Amomum macrocheilos* (Griff.) Baker, Fl. Brit. India 6 (1892) 235. — *Hornstedtia macrocheilos* (Griff.) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 147. — Type: *W. Griffith s.n.*

Amomum gomphocheilos Baker, Fl. Brit. India 6 (1892) 236. — Type: *H.H. Kunstler 1897* (holo K!), Perak.

Amomum rubroluteum Baker, Fl. Brit. India 6 (1892) 236. — *Etilingera rubrolutea* (Baker) C.K. Lim, Folia Malaysiana 2(3) (2001) 157. — Type: *A.C. Maingay 1588* (holo K!), Malacca.

Distribution — Sumatra.

Etilingera purpurea (Elmer) A.D. Poulsen — (A)

Etilingera purpurea (Elmer) A.D. Poulsen, Blumea 48 (2003) 525. — Basionym: *Hornstedtia purpurea* Elmer, Leaf. Philipp. Bot. 8 (1919) 2984. — *Amomum purpureum* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 240. — Lectotype: *A.D.E. Elmer 16819* (L!, designated by Poulsen 2003, isolecto BO!, C!, FI!, G!, GH!, U!, UC!), Sorsogon, Mt. Bulusan, Irosin.

Distribution — Philippines.

Etilingera pyramidosphaera (K. Schum.) R.M. Sm. — (A)

Etilingera pyramidosphaera (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 249. — Basionym: *Amomum pyramidosphaera* K. Schum., Bot. Jahrb. Syst. 27 (1899) 306. — *Phaenomeria pyramidosphaera* (K. Schum.) K. Schum., Pflanzenr. IV, 46 (1904) 263. — *Nicolaia pyramidosphaera* (K. Schum.) B.L. Burtt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 315. — Type: *O. Beccari 3452* (syn FI!), Kalimantan, *O. Beccari 4042* (syn FI!, K!), Sarawak, *O. Beccari s.n. (July 1874)* (syn FI!), Southeast Sulawesi.

Distribution — Sarawak, Kalimantan, Sulawesi.

Etilingera rosea B.L. Burtt & R.M. Sm. — (A)

Etilingera rosea B.L. Burtt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 240., nom. nov. — *Donacodes roseus* Teijsm. & Binn., nom. nud., Catalogus van 's Lands Plantentuin te Buitenzorg (1854) 58. — *Cardamomum roseum* Kuntze, nom. illeg., Revis. gen. pl. 2 (1891) 687. — *Amomum roseum* K. Schum., nom. illeg., Pflanzenr. IV, 46 (1904) 256. — *Geanthus roseus* Loes., nom. illeg., Nat. Pflanzenfam. ed. 2, 15,A (1930) 593. — Type: *J.E. Teijsmann s.n.* (BO).

Distribution — Moluccas.

Etilingera rubrolutea (Baker) C.K. Lim = *Etilingera punicea* (Roxb.) R.M. Sm.

Etlingera rubromarginata A.D. Poulsen & Mood — (A)

Etlingera rubromarginata A.D. Poulsen & Mood, *Nordic J. Bot.* 19 (1999) 139. — Type: A.D. Poulsen 35 (holo AAU!, iso BRUN!, K!), Batu Apoi Forest Reserve.

Distribution — Brunei, Sabah.

Etlingera rubrostriata (Holttum) C.K. Lim = *Etlingera metriocheilos* var. *rubrostriata* (Holttum) I.M. Turner

Etlingera sanguinea (Ridl.) R.M. Sm. — (A)

Etlingera sanguinea (Ridl.) R.M. Sm., *Notes Roy. Bot. Gard. Edinburgh* 43 (1986) 249. — Basionym: *Hornstedtia sanguinea* Ridl., *Bot. Jahrb. Syst.* 44 (1910) 531. — *Geanthus sanguineus* (Ridl.) R.M. Sm., *Notes Roy. Bot. Gard. Edinburgh* 38 (1980) 19. — Type: H.J.P. Winkler 2147 (holo WRSL!, iso BM, BO!, G!, K!, L!).

Distribution — Kalimantan.

Etlingera sericea (Ridl.) R.M. Sm. — (A)

Etlingera sericea (Ridl.) R.M. Sm., *Notes Roy. Bot. Gard. Edinburgh* 43 (1986) 249. — Basionym: *Nicolaia sericea* Ridl., *J. Fed. Malay States Mus.* 8 (1917) 115. — Type: C.B. Kloss s.n.

Distribution — Sumatra.

Etlingera sessilantha R.M. Sm. — (A)

Etlingera sessilantha R.M. Sm., *Notes Roy. Bot. Gard. Edinburgh* 43 (1986) 240. — Type: C. Hansen 201 (holo C!), Gunung Mulu National Park.

Distribution — Sarawak.

Etlingera solaris (Blume) R.M. Sm. — (A)

Etlingera solaris (Blume) R.M. Sm., *Notes Roy. Bot. Gard. Edinburgh* 43 (1986) 249. — Basionym: *Elettaria solaris* Blume, *Enum. pl. Javae* (1827) 52. — *Alpinia solaris* (Blume) D. Dietr., *Syn. pl.* 1 (1839) 12. — *Nicolaia solaris* (Blume) Horan., *Prodr. Monogr. Scitam.* (1862) 32. — *Cardamomum solare* (Blume) Kuntze, *Revis. gen. pl.* 2 (1891) 687. — *Amomum solare* (Blume) K. Schum., *Bot. Jahrb. Syst.* 27 (1899) 308. — *Phaeomeria solaris* (Blume) K. Schum., *Pflanzenr.* IV, 46 (1904) 264. — Type: C.L. von Blume s.n. (L!).

Elettaria pallida Blume, *Enum. pl. Javae* (1827) 52. — *Alpinia pallida* (Blume) D. Dietr., *Syn. pl.* 1 (1839) 12. — *Nicolaia pallida* (Blume) Horan., *Prodr. Monogr. Scitam.* (1862) 32. — *Cardamomum pallidum* (Blume) Kuntze, *Revis. gen. pl.* 2 (1891) 687. — *Phaeomeria pallida* (Blume) K. Schum., *Pflanzenr.* IV, 46 (1904) 264. — Type: C.L. von Blume s.n. (holo L), Java.

Amomum chrysocalyx K. Schum., *Bot. Jahrb. Syst.* 27 (1899) 308. — *Phaeomeria chrysocalyx* (K. Schum.) K. Schum., *Pflanzenr.* IV, 46 (1904) 265. — Type: O. Beccari 247 (syn FI!, K!), West Sumatra, Gunung Singgalang, 645 (syn FI!, K!), Sumatra, Ayer Mancior.

Distribution — Sumatra, Java.

Etlingera sorsogonensis (Elmer) A.D. Poulsen — (A)

Etlingera sorsogonensis (Elmer) A.D. Poulsen, *Blumea* 48 (2003) 526. — Basionym: *Hornstedtia sorsogonensis* Elmer, *Leaf. Philipp. Bot.* 8 (1919) 2985. — Type: A.D.E. Elmer 16925 (iso BO!, C!, FI!, G!, GH!, U!, UC!), Sorsogon, Mt. Bulusan, Irosin.

Distribution — Philippines.

Etilingera sphaerocephala (Baker) C.K. Lim = *Etilingera metriocheilos* (Griff.) R.M. Sm.

Etilingera sphaerocephala var. *grandiflora* (Holttum) C.K. Lim = *Etilingera metriocheilos* var. *grandiflora* (Holttum) I.M. Turner

Etilingera sphaerocephala var. *petiolata* (Holttum) C.K. Lim = *Etilingera metriocheilos* var. *petiolata* (Holttum) I.M. Turner

***Etilingera subterranea* (Holttum) R.M. Sm. — (A)**

Etilingera subterranea (Holttum) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 250. — Basionym: *Achasma subterraneum* Holttum, Gard. Bull. Singapore 13 (1950) 187. — Type: R.E. Holttum 31212 (holo SING!, iso BO!, E!, L!), Pahang.

Distribution — Peninsular Malaysia.

***Etilingera subulicalyx* (Valeton) R.M. Sm. — (A)**

Etilingera subulicalyx (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 250. — Basionym: *Nicolaia subulicalyx* Valeton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 139. — Type: J.A. Lörzing 4342 (holo BO!).

Distribution — Sumatra.

Etilingera terengganuensis C.K. Lim = *Etilingera corneri* Mood & H. Ibrahim

***Etilingera triorgyalis* (Baker) R.M. Sm. — (A)**

Etilingera triorgyalis (Baker) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 250. — Basionym: *Amomum triorgyale* Baker, Fl. Brit. India 6 (1892) 237. — *Hornstedtia triorgyalis* (Baker) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 144. — *Achasma triorgyale* (Baker) Holttum, Gard. Bull. Singapore 13 (1950) 186. — Type: H.H. Kunstler 2105 (holo K!, iso SING!), Perak.

Distribution — Peninsular Malaysia.

***Etilingera valida* (K. Schum.) A.D. Poulsen — (A)**

Etilingera valida (K. Schum.) A.D. Poulsen, Blumea 48 (2003) 526. — Basionym: *Amomum validum* K. Schum., Bot. Jahrb. Syst. 27 (1899) 314. — *Geanthus validus* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 593. — Type: O. Beccari s.n. (holo FI!), Ayer Mancior.

Distribution — Sumatra.

***Etilingera velutina* (Ridl.) R.M. Sm. — (A)**

Etilingera velutina (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 250. — Basionym: *Hornstedtia velutina* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 146. — Type: H.N. Ridley s.n. (December 1897) (holo K!), Sarawak.

Distribution — Sarawak, Sabah.

***Etilingera venusta* (Ridl.) R.M. Sm. — (A)**

Etilingera venusta (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 250. — Basionym: *Hornstedtia venusta* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 149. — *Phaeomeria*

venusta (Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 264. — *Nicolaia venusta* (Ridl.) K. Larsen, Nat. Hist. Bull. Siam Soc. 23 (1970) 575. — Lectotype: *H.N. Ridley 7810* (K!, designated by Holttum, 1950, isolecto SING!), Selangor.

Distribution — Peninsular Malaysia.

***Etlingera versteegii* (Valeton) R.M. Sm. — (A)**

Etlingera versteegii (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 250. — Basionym: *Geanthus versteegii* Valeton, Nova Guinea 8 (1913) 930. — Type: *G.M. Versteeg 1395* (holo BO!, iso L!).

Distribution — West Papua.

***Etlingera vestita* (Valeton) R.M. Sm. — (A)**

Etlingera vestita (Valeton) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 250. — Basionym: *Geanthus vestitus* Valeton, Bot. Jahrb. Syst. 52 (1914) 55. — Type: *F.R.R. Schlechter 16850* (B).

Distribution — Papua New Guinea.

***Etlingera walang* (Blume) R.M. Sm. — (A)**

Etlingera walang (Blume) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 251. — Basionym: *Donacodes walang* Blume, Enum. pl. Javae (1827) 55. — *Alpinia walang* (Blume) D. Dietr., Syn. pl. 1 (1839) 13. *Elettaria walang* (Blume) Miq., Fl. Ned. Ind. 3 (1859) 603. — *Cardamomum walang* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 687. — *Achasma walang* (Blume) Valeton, Bull. Inst. Bot. Buitenzorg 20 (1904) 93. — *Amomum walang* (Blume) Valeton, Bull. Inst. Bot. Buitenzorg 20 (1904) 44. — *Hornstedtia walang* (Blume) Koord.-Schum., Syst. Verz. 1 (1911) 21. — Type: *C.L. von Blume s.n.* (holo L!), Java.

Elettaria glaberrima Zoll. & Moritzi, Syst. Verz. (1845–1846) 84. — *Cardamomum glaberrimum* (Zoll. & Moritzi) Kuntze, Revis. gen. pl. 2 (1891) 686. — Type: *H. Zollinger 670* (iso L!).

Distribution — Java.

***Etlingera xanthoparyphe* (K. Schum.) R.M. Sm. — (A)**

Etlingera xanthoparyphe (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 251. — Basionym: *Amomum xanthoparyphe* K. Schum., Pflanzenr. IV, 46 (1904) 224. — *Achasma xanthoparyphe* (K. Schum.) Valeton, Bot. Jahrb. Syst. 52 (1914) 55. — Type: *C.A.G. Lauterbach s.n.* (holo B), East Sepik/Madang, Ramu River.

Distribution — Papua New Guinea.

Gastrochilus Wall. 1829, non D. Don 1825 = *Boesenbergia* Kuntze

Gastrochilus acutus Ridl. = *Boesenbergia curtisii* (Baker) Schltr.

Gastrochilus albosanguinea Ridl. = *Boesenbergia prainiana* (Baker) Schltr.

Gastrochilus apiculatus Valeton = *Boesenbergia apiculata* (Valeton) Loes.

Gastrochilus biloba Ridl. = *Scaphochlamys biloba* (Ridl.) Holttum

Gastrochilus biloba var. *lanceolatus* Ridl. = *Scaphochlamys biloba* var. *lanceolatus* (Ridl.) Holttum

Gastrochilus bractescens Ridl. = *Scaphochlamys polyphylla* (K. Schum.) B.L. Burt & R.M. Sm.

Gastrochilus calophylla Ridl. = *Scaphochlamys biloba* (Ridl.) Holttum

Gastrochilus curtisii Baker = *Boesenbergia curtisii* (Baker) Schltr.

Gastrochilus flavus Ridl. 1899, non (Hook. f.) Kuntze 1887 (Orchidaceae) = *Boesenbergia flava* Holttum, nom. nov.

***Gastrochilus gracile* Valetton — (P)**

Gastrochilus gracile Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 103. — Type: *H.A.B. Bünnemeyer 545* (holo BO), Bengkulu.

Distribution — Sumatra.

Gastrochilus grandifolius Valetton = *Boesenbergia grandifolia* (Valetton) Merr.

Gastrochilus hirtus Ridl. = *Boesenbergia hirta* (Ridl.) Merr.

Gastrochilus javanus K. Schum. = *Boesenbergia curtisii* (Baker) Schltr.

Gastrochilus klossii Ridl. = *Scaphochlamys klossii* (Ridl.) Holttum

Gastrochilus kunstleri (Baker) Valetton = *Scaphochlamys kunstleri* (Baker) Holttum

Gastrochilus lanceolatus Ridl. = *Scaphochlamys lanceolata* (Ridl.) Holttum

Gastrochilus lancifolius Ridl. = *Scaphochlamys malaccana* Baker

***Gastrochilus latilabrum* Valetton — (P)**

Gastrochilus latilabrum Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 99. — Type: *A.W. Nieuwenhuis 872* (holo BO).

Distribution — Kalimantan.

Gastrochilus laxiflorum Valetton = *Scaphochlamys polyphylla* (K. Schum.) B.L. Burt & R.M. Sm.

Gastrochilus loerzingii Valetton = *Boesenbergia loerzingii* (Valetton) K. Larsen

***Gastrochilus loerzingii* var. *bandarensis* Valetton — (P)**

Gastrochilus loerzingii var. *bandarensis* Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 95. — Type: *J.A. Lörzing 1728* (holo BO), North Sumatra, Sibaulangit.

Distribution — Sumatra.

Notes — See *Boesenbergia loerzingii*.

***Gastrochilus loerzingii* var. *bencoolensis* Valetton — (P)**

Gastrochilus loerzingii var. *bencoolensis* Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 94. — Type: *H.A.B. Bünnemeyer 532* (iso L), West Sumatra, Gunung Talaman (“Ophir”).

Distribution — Sumatra.

Notes — See *Boesenbergia loerzingii*.

Gastrochilus longifolius Ridl., nom. illeg. = *Scaphochlamys longifolia* Holttum

Gastrochilus longipetiolata Ridl. = *Boesenbergia longipetiolata* (Ridl.) Merr.

Gastrochilus lurida Ridl. = *Boesenbergia plicata* var. *lurida* (Ridl.) Holttum

***Gastrochilus minor* Baker — (P)**

Gastrochilus minor Baker, Fl. Brit. India 6 (1890) 217. — Combinations: *Boesenbergia minor* (Baker) Kuntze, Revis. gen. pl. 2 (1891) 685. — *Kaempferia minor* (Baker) K. Schum., Pflanzenr. IV 46 (1904) 86. — Type: *H.H. Kunstler s.n.*, Perak.

Distribution — Peninsular Malaysia.

Notes — The type of these names is not cited by Holttum (1950) who seems not to have seen it. Holttum does cite specimens which Ridley misidentified as *Gastrochilus minor* Baker, namely Ridley 14422 (= *Scaphochlamys biloba* var. *lanceolata*) and Curtis s.n. (= *Boesenbergia flava*).

Gastrochilus oculatus Ridl. = *Scaphochlamys oculata* (Ridl.) Holttum

Gastrochilus ornatus (N.E. Br.) Valeton = *Boesenbergia ornata* (N.E. Br.) R.M. Sm.

Gastrochilus parvus Ridl. = *Boesenbergia parva* (Ridl.) Merr.

Gastrochilus plicata Ridl. = *Boesenbergia plicata* (Ridl.) Holttum

Gastrochilus prainianus (Baker) Ridl. = *Boesenbergia prainiana* (Baker) Schltr.

Gastrochilus puberula Ridl. = *Boesenbergia clivalis* (Ridl.) Schltr.

Gastrochilus pulchellus Ridl. = *Boesenbergia pulchella* (Ridl.) Merr.

Gastrochilus pulcherrima Wall. = *Boesenbergia pulcherrima* (Wall.) Kuntze

Gastrochilus reticosa Ridl. = *Scaphochlamys reticosa* (Ridl.) R.M. Sm.

Gastrochilus roseopunctatus Ridl. = *Boesenbergia roseopunctata* (Ridl.) I.M. Turner

Gastrochilus scaphochlamys Ridl. = *Scaphochlamys malaccana* Baker

Gastrochilus striatum Valeton = *Boesenbergia striata* (Valeton) Loes.

Gastrochilus subbiloba Burkill ex Ridl. = *Scaphochlamys subbiloba* (Burkill ex Ridl.) Holttum

***Gastrochilus tillandsioides* Baker — (P)**

Gastrochilus tillandsioides Baker, Fl. Brit. India 6 (1890) 218. — Combination: *Boesenbergia tillandsioides* (Baker) Kuntze, Revis. gen. pl. 2 (1891) 685. — Type: *H.H. Kunstler s.n.* (holo CAL), Perak.

Distribution — Peninsular Malaysia.

Gastrochilus violaceus Ridl. — (P)

Gastrochilus violaceus Ridl., J. Straits Branch Roy. Asiat. Soc. 54 (1910) 56. — Type: *T.D. Pereira s.n.* (1908) (holo SING!), Sumatra.

Distribution — Sumatra.

Notes — The type is too fragmentary to allow certain placement, either in *Boesenbergia* or *Scaphochlamys* (Turner, 2000).

Geanthus Reinw. = *Etilingera* Giseke

Geanthus angustifolius Valeton = *Etilingera angustifolia* (Valeton) R.M. Sm.

Geanthus bicorniculatus (K. Schum.) Loes. = *Amomum bicorniculatum* K. Schum.

Geanthus brachypodanthus (K. Schum.) Loes. — (P), see *Amomum brachypodanthum* K. Schum.

Geanthus brevilabris (Valeton) Loes. = *Etilingera brevilabrum* (Valeton) R.M. Sm.

Geanthus bromeliopsis Valeton = *Etilingera bromeliopsis* (Valeton) R.M. Sm.

Geanthus calycinus Valeton = *Etilingera calycina* (Valeton) R.M. Sm.

Geanthus coccineus Reinw., nom. nud. = *Etilingera punicea* (Roxb.) R.M. Sm.

Geanthus dekokkii Valeton = *Etilingera dekokkii* (Valeton) R.M. Sm.

Geanthus densiusculus Valeton = *Etilingera densiuscula* (Valeton) R.M. Sm.

Geanthus dictyocoleus (K. Schum.) Loes. = *Amomum dictyocoleum* K. Schum.

Geanthus echinatus Valeton = *Amomum centrocephalum* A.D. Poulsen, nom. nov.

Geanthus fimbriobracteatus (K. Schum.) B.L. Burt & R.M. Sm. = *Etilingera fimbriobracteata* (K. Schum.) R.M. Sm.

Geanthus foetens (Blume) Valeton ex A.W.K. de Jong = *Etilingera foetens* (Blume) R.M. Sm.

Geanthus goliathensis Valeton = *Etilingera goliathensis* (Valeton) R.M. Sm.

Geanthus grandiflorus Valeton = *Etilingera grandiflora* (Valeton) R.M. Sm.

Geanthus heliconiifolius (K. Schum.) Loes. = *Etilingera heliconiifolia* (K. Schum.) A.D. Poulsen

Geanthus latifolius Valeton = *Etilingera latifolia* (Valeton) R.M. Sm.

Geanthus lepiscarpus (Ridl.) Loes. = *Amomum lepiscarpum* Ridl.

Geanthus longifolius (K. Schum.) Valeton = *Etilingera longifolia* (K. Schum.) A.D. Poulsen

Geanthus longipetalus Valeton = *Etilingera longipetala* (Valeton) R.M. Sm.

Geanthus longipetiolatus B.L. Burtt & R.M. Sm. = *Etilingera longipetiolata* (B.L. Burtt & R.M. Sm.) R.M. Sm.

Geanthus macroglossa (K. Schum.) Loes. = *Amomum macroglossum* K. Schum.

Geanthus minor Reinw., nom. nud. = *Hornstedtia minor* (Blume) K. Schum.

Geanthus parvus Valetton = *Etilingera parva* (Valeton) R.M. Sm.

Geanthus pausodipsus (K. Schum.) Loes. — (P), see *Amomum pausodipsus* K. Schum.

Geanthus piningi Reinw., nom. nud. = *Hornstedtia pininga* (Blume) Valetton

Geanthus polyanthus Valetton = *Etilingera polyantha* (Valeton) R.M. Sm.

Geanthus polycarpus (K. Schum.) Loes. = *Etilingera polycarpa* (K. Schum.) A.D. Poulsen

Geanthus pubescens B.L. Burtt & R.M. Sm. = *Etilingera pubescens* (B.L. Burtt & R.M. Sm.) R.M. Sm.

Geanthus pubimarginatus (Elmer) Loes. — (P), see *Amomum pubimarginatum* Elmer.

Geanthus roseus Loes., nom. illeg. = *Etilingera rosea* B.L. Burtt & R.M. Sm., nom. nov.

Geanthus sanguineus (Ridl.) R.M. Sm. = *Etilingera sanguinea* (Ridl.) R.M. Sm.

Geanthus speciosus Reinw., nom. nud. = *Etilingera elatior* (Jack) R.M. Sm.

Geanthus stenophyllus (K. Schum.) Loes. — (P), see *Amomum stenophyllum* K. Schum.

Geanthus trachycarpus (K. Schum.) Valetton — (P), see *Amomum trachycarpum* K. Schum.

Geanthus trichanthera (Warb.) Valetton — (P), see *Amomum trichanthera* Warb.

Geanthus validus (K. Schum.) Loes. = *Etilingera valida* (K. Schum.) A.D. Poulsen

Geanthus versteegii Valetton = *Etilingera versteegii* (Valeton) R.M. Sm.

Geanthus vestitus Valetton = *Etilingera vestita* (Valeton) R.M. Sm.

Geocharis (K. Schum.) Ridl. — (A)

Geocharis (K. Schum.) Ridl., J. Straits Branch Roy. Asiat. Soc. 50 (1908) 143. — Basionym: *Alpinia* Sect. *Geocharis* K. Schum., Pflanzenr. IV, 46 (1904) 363. — Type species: Not designated.

Revision status — B: Smith (1986).

Distribution — Sumatra, Peninsular Malaysia, Sarawak, Sabah, Philippines.

Geocharis aurantiaca Ridl. — (A)

Geocharis aurantiaca Ridl., J. Straits Branch Roy. Asiat. Soc. 50 (1908) 144. — *Riedelia aurantiaca* (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 627. — Lectotype: *H.N. Ridley 13271* (K, designated by Holttum, 1950), Johore.

Distribution — Peninsular Malaysia.

Geocharis fusiformis (Ridl.) R.M. Sm. — (A)

Geocharis fusiformis (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 458. — Basionym: *Amomum fusiforme* Ridl., Philipp. J. Sci., C 4 (1909) 171. — *Elettariopsis fusiformis* (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 603. — Type: *F.H. Bolster 224* (syn), Mindanao, Surigao, 331 (syn K), Mindanao, Surigao, *A.D.E. Elmer 9509* (syn E!, FI!, G!, GH!), Negros Oriental, Cuernos Mts., Dumaguete.

Distribution — Philippines.

Geocharis fusiformis var. **borneensis** R.M. Sm. — (A)

Geocharis fusiformis var. *borneensis* R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43 (1986) 458. — Type: *A.D.E. Elmer 20218* (holo UC, iso BR!, HBG!, L!, SING!, U!), Sandakan.

Distribution — Sabah.

Geocharis macrostemon (K. Schum.) Holttum — (A)

Geocharis macrostemon (K. Schum.) Holttum, Gard. Bull. Singapore 13 (1950) 221. — Basionym: *Alpinia macrostemon* K. Schum., Bot. Jahrb. Syst. 27 (1899) 297. — *Riedelia macrostemon* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 627. — Type: *O. Beccari s.n. (August 1878)* (holo FI!), West Sumatra, Ayer Mancior.

Distribution — Sumatra.

Geocharis radicalis (Valeton) B.L. Burtt & R.M. Sm. — (A)

Geocharis radicalis (Valeton) B.L. Burtt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 315. — Basionym: *Rhynchanthus radicalis* Valeton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 141. — Type: *J.A. Lörzing 5912* (BO), North Sumatra, Deli.

Distribution — Sumatra.

Geocharis rubra Ridl. — (A)

Geocharis rubra Ridl., J. Straits Branch Roy. Asiat. Soc. 50 (1908) 146. — *Riedelia rubra* (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 627. — Type: *J. Hewitt s.n. (24 March 1908)* (holo K!), Quop.

Distribution — Sarawak.

Geocharis secundiflora (Ridl.) Holttum — (A)

Geocharis secundiflora (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 223. — Basionym: *Alpinia secundiflora* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 165. — Type: *Kellsall s.n. (January 1891)* (holo K), Selangor.

Distribution — Peninsular Malaysia.

Geostachys (Baker) Ridl. — (A)

Geostachys (Baker) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 157. — Basionym: *Alpinia* Subgen. *Geostachys* Baker, Fl. Brit. India 6 (1892) 257. — Type species: Not designated.

Conanomum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 121. — Type species: *Conanomum utriculosum* Ridl.

Carenophila Ridl., J. Fed. Malay States Mus. 4(1) (1909) 78. — Type species: *Carenophila montana* Ridl.

Revision status — **B**: Smith (1986).

Distribution — Thailand, Sumatra, Peninsular Malaysia, Kalimantan.

Geostachys decurvata (Baker) Ridl. — (A)

Geostachys decurvata (Baker) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 158. — Basionym: *Alpinia decurvata* Baker, Fl. Brit. India 6 (1892) 257. — Type: *H.H. Kunstler 6310* (holo K, iso FI!, P!, SING!), Perak.

Distribution — Peninsular Malaysia.

Geostachys densiflora Ridl. — (A)

Geostachys densiflora Ridl., J. Straits Branch Roy. Asiat. Soc. 82 (1920) 201. — Type: *H.C. Robinson s.n. (20 March 1913)* (holo K), Gunung Kerbau.

Distribution — Peninsular Malaysia.

Geostachys elegans Ridl. — (A)

Geostachys elegans Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 160. — Lectotype: *H.N. Ridley 3137* (K, designated by Holttum, 1950, isolecto SING!), Malacca.

Distribution — Peninsular Malaysia.

Geostachys holttumii K. Larsen — (A)

Geostachys holttumii K. Larsen, Bot. Tidsskr. 58 (1962) 47. — Type: *A.F.G. Kerr 7538* (holo K), Betong.

Distribution — Thailand.

Geostachys leucantha B.C. Stone — (P)

Geostachys leucantha B.C. Stone, Malaysian J. Sci. 6 (1980) 77. — Type: *B.C. Stone 13780* (holo KLU, iso E!), Pahang.

Distribution — Peninsular Malaysia.

Geostachys megaphylla Holttum — (A)

Geostachys megaphylla Holttum, Gard. Bull. Singapore 13 (1950) 228. — Type: *R.E. Holttum SFN 31276* (holo SING), Pahang.

Distribution — Peninsular Malaysia.

Geostachys montana (Ridl.) Holttum — (A)

Geostachys montana (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 229. — Basionym: *Carenophila montana* Ridl., J. Fed. Malay States Mus. 4(1) (1909) 78. — Type: *H.N. Ridley s.n. (November 1908)* (holo SING!), Pahang.

Distribution — Peninsular Malaysia.

Geostachys penangensis Ridl. — (A)

Geostachys penangensis Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 159. — Type: *C. Curtis* 327 (holo SING!), Penang.

Distribution — Peninsular Malaysia, Kalimantan.

Geostachys primulina Ridl. — (A)

Geostachys primulina Ridl., J. Straits Branch Roy. Asiat. Soc. 82 (1920) 201. — Type: *H.N. Ridley* 12029 (holo K, iso SING!), Selangor.

Distribution — Peninsular Malaysia.

Geostachys rupestris Ridl. — (A)

Geostachys rupestris Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 159. — Type: *H.N. Ridley s.n. (1893)* (holo SING!), Kedah.

Distribution — Peninsular Malaysia.

Geostachys secunda (Baker) Ridl. — (A)

Geostachys secunda (Baker) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 158. — Basionym: *Alpinia secunda* Baker, Fl. Brit. India 6 (1892) 257. — Type: *H.H. Kunstler* 8047.

Distribution — Peninsular Malaysia.

Geostachys sericea (Ridl.) Holttum — (A)

Geostachys sericea (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 229. — Basionym: *Conamomum sericeum* Ridl., J. Fed. Malay States Mus. 6 (1915) 185. — Lectotype: *H.N. Ridley* 15943 (SING!, designated by Holttum, 1950), Pahang.

Distribution — Peninsular Malaysia.

Geostachys sumatrana Valetton — (P)

Geostachys sumatrana Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 146. — Type: *J.A. Lörzing* 5984 (BO), North Sumatra, Deli.

Distribution — Sumatra.

Geostachys tahanensis Holttum — (A)

Geostachys tahanensis Holttum, Gard. Bull. Singapore 13 (1950) 232. — Type: *R.E. Holttum* SFN 20582 (holo SING!), Pahang.

Distribution — Peninsular Malaysia.

Geostachys taipingensis Holttum — (A)

Geostachys taipingensis Holttum, Gard. Bull. Singapore 13 (1950) 230. — Type: *J.W. Anderson* 139 (holo SING!), Perak.

Distribution — Peninsular Malaysia.

Globba L. — (A)

Globba L., Mant. pl. (1771) 170. — Type species: *Globba marantina* L..

Ceratanthera Hornem., Hortus Reg. Bot. Hafn. 1 (1813) 2, 5. — Type species: *Ceratanthera amomoides* Hornem.

Hura J. König, Observ. bot. 3 (1783) 49. — Type species: *Hura siamensium* J. König.

Sphaerocarpos J.F. Gmel., Syst. nat. 2(1) (1791) 9. — Type species: *Sphaerocarpos hura* J.F. Gmel.
Manitia Giseke, Prael. ord. nat. pl. (1792) 202, 209. — Type species: *Manitia aurea* Giseke, nom. illeg.

Colebrookia Donn ex T. Lestib., Ann. Sci. Nat. Bot. 15 (1841) 339, 341. — Type species: Not designated.

Achilus Hemsl., Bull. Misc. Inform. (1895) 39. — Type species: *Achilus siamensis* Hemsl.

Revision status — **B**: Lim (1972), Smith (1988), Takano & Okada (2003).

Distribution — Thailand, Sumatra, Peninsular Malaysia, Singapore, Sarawak, Brunei, Sabah, Kalimantan, Java, Philippines, Moluccas, Papua New Guinea.

Globba acehensis A. Takano & H. Okada — (A)

Globba acehensis A. Takano & H. Okada, Nordic J. Bot. 20 (2000) 65. — Type: *M. Kato 8618* (holo BO, iso K, KYO), Aceh Tenggara.

Distribution — Sumatra.

Globba affinis Rendle = *Globba brachyanthera* K. Schum.

Globba alba E. Morren = *Globba albobracteata* N.E. Br.

Globba albiflora Ridl. — (A)

Globba albiflora Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 96. — Type: *C. Curtis 2851* (holo K, iso SING!), Penang.

Distribution — Thailand, Peninsular Malaysia.

Globba albiflora var. **aurea** Holttum — (A)

Globba albiflora var. *aurea* Holttum, Gard. Bull. Singapore 13 (1950) 32. — Type: *M.R. Henderson SFN 29715* (holo SING), Kelantan.

Distribution — Peninsular Malaysia.

Globba albobracteata K. Schum. = *Globba albobracteata* N.E. Br.

Globba albobracteata N.E. Br. — (A)

Globba albobracteata N.E. Br., Gard. Chron. new series 18 (1882) 71. — Lectotype: *O. Beccari 208* (K, designated by Takano & Okada, 2003, isolecto FI!, L!), West Sumatra, Gunung Singgalang.

Globba alba E. Morren, Belgique Hort. 35 (1885) 286, t. 20. — Type: Material not located.

Distribution — Sumatra.

Notes — Schumann (1904) also described *Globba albobracteata*, based on the same type as Brown's name. This appears to be a coincidence.

Globba aphylla Miq. = *Globba pendula* Roxb.

Globba argentiana R.M. Sm. = *Globba francisci* Ridl.

***Globba atrosanguinea* Teijsm. & Binn. — (A)**

Globba atrosanguinea Teijsm. & Binn., Natuurk. Tijdschr. Ned.-Indië 27 (1864) 22. — Type: *C. de Groot s.n.*

Distribution — Sumatra, Sarawak, Sabah, Kalimantan.

***Globba atrosanguinea* var. *sumatrana* A. Takano & H. Okada — (A)**

Globba atrosanguinea var. *sumatrana* A. Takano & H. Okada, Nordic J. Bot. 21 (2001) 163. — Type: *Y. Mori & A. Takano 8839* (holo BO, iso KYO), West Sumatra, Malampah Nature Reserve.

Distribution — Sumatra.

***Globba aurantiaca* Miq. — (A)**

Globba aurantiaca Miq., Fl. Ned. Ind., Eerste bijv. (1861) 613. — Type: *J.E. Teijsmann HB 2036* (holo U!), Lubukalung.

Globba deliana Valetton, Ann. Jard. Bot. Buitenzorg 31 (1921) 21. — Type: *H.A.B. Bünnemeyer 1190* (holo BO), Gunung Talamán (“Ophir”).

Distribution — Thailand, Sumatra.

Notes — It is not clear why Takano & Okada (2003) have designated *Teijsmann HB 2036* as the lectotype of *Globba aurantiaca* Miq. since Miquel’s types are at U. Thai and Malaysian specimens determined to *G. aurantiaca* should probably be referred to *G. patens* Miq.

***Globba aurea* Elmer — (P)**

Globba aurea Elmer, Leafl. Philipp. Bot. 8 (1915) 2902. — Type: *A.D.E. Elmer 13243*, Palawan, Mt. Pulgar (= Thumb Peak).

Distribution — Philippines.

Globba barthei Gagnep. = *Globba marantina* L.

***Globba brachyanthera* K. Schum. — (A)**

Globba brachyanthera K. Schum., Bot. Jahrb. Syst. 27 (1899) 329. — Type: *O. Beccari 38* (holo FI!), Kuching.

Globba affinis Rendle, J. Bot. 39 (1901) 176. — Type: *C. Hose 109* (syn L!, P), Baram, 456 (syn), Baram, Sg. Entoyut.

Globba brachyanthera var. *angustifolia* Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 232. — Lectotype: *E.J. Bartlett s.n. (15 June 1893)* (SING!), designated by Turner, 2000, Gunung Matang.

Distribution — Sarawak, Kalimantan.

Globba brachyanthera var. *angustifolia* Ridl. = *Globba brachyanthera* K. Schum.

***Globba brachyanthera* var. *hirsuta* R.M. Sm. — (A)**

Globba brachyanthera var. *hirsuta* R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 45 (1988) 18. — Type: *B.L. Burt & P.J.B. Woods B 2711* (holo E!), 1st Division, Sg. Lundu below Gunung Perigi.

Globba burbidgei Ridl., J. Bot. 63 (1925) 204. — Lectotype: *E.P. Mjöberg* 233 (BM, designated by Smith, 1988), Lundu.

Distribution — Sarawak.

***Globba brachyanthera* var. *rubra* R.M. Sm. — (A)**

Globba brachyanthera var. *rubra* R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 45 (1988) 17. — Type: *B.L. Burt & P.J.B. Woods* B 2363 (holo E!, iso L!), Lambir Hills National Park.

Distribution — Sumatra, Sarawak.

Globba brachycarpa Baker = *Globba cernua* Baker

***Globba brevifolia* K. Schum. — (P)**

Globba brevifolia K. Schum., Pflanzenr. IV, 46 (1904) 145. — Type: *O. Warburg* 14066 (B).

Distribution — Philippines.

***Globba bulbifera* Roxb. — (A)**

Globba bulbifera Roxb., Asiatic Res. 11 (1810) 358. — Type: *Icones Roxburghianae s.n.* (CAL).

Distribution — Not native to Malesia.

Notes — This species occurs from the Himalaya to Yunnan. All Malesian specimens determined to this name should probably be referred to *Globba marantina* L.

Globba burbidgei Ridl. = *Globba brachyanthera* var. *hirsuta* R.M. Sm.

Globba calophylla Ridl. = *Globba pendula* Roxb.

***Globba campsophylla* K. Schum. — (P)**

Globba campsophylla K. Schum., Pflanzenr. IV, 46 (1904) 145. — Type: *H. Cuming* 1390 (iso FI!, L!), Luzon, Nueva Ecija.

Distribution — Philippines.

Globba candida Ridl., nom. illeg. = *Globba paniculata* Valetton

***Globba cernua* Baker — (A)**

Globba cernua Baker, Fl. Brit. India 6 (1890) 205. — Lectotype: *H.H. Kunstler* 757 (K, designated by Lim, 1972), Gopeng.

Globba brachycarpa Baker, Fl. Brit. India 6 (1890) 205 (“*Globba trachycarpa*”). — Type: *H.H. Kunstler* 2414 (holo K), Perak.

Globba macranthera Ridl., J. Fed. Malay States Mus. 4 (1909) 76. — Lectotype: *H.N. Ridley* 14003 (K, designated by Lim, 1972, isoelecto SING!), Pahang.

Distribution — Thailand, Sumatra, Peninsular Malaysia.

***Globba cernua* subsp. *crocea* S.N. Lim — (A)**

Globba cernua subsp. *crocea* S.N. Lim, Notes Roy. Bot. Gard. Edinburgh 31 (1972) 250. — Type: *M.E.D. Poore* 4791 (holo KLU), Pahang.

Distribution — Peninsular Malaysia.

Globba cernua subsp. **porphyria** S.N. Lim — (A)

Globba cernua subsp. *porphyria* S.N. Lim, Notes Roy. Bot. Gard. Edinburgh 31 (1972) 251. — Type: *K. Jong 8240* (holo KLU), Perak.

Distribution — Peninsular Malaysia.

Globba ciliata Jack = *Globba pendula* Roxb.

Globba corneri A. Weber — (A)

Globba corneri A. Weber, Pl. Syst. Evol. 174 (1991) 1, nom. nov. — Basionym: *Globba unifolia* var. *sessiliflora* Holttum, Gard. Bull. Singapore 13 (1950) 34. — Lectotype: *E.J.H. Corner 30013* (SING, designated by Lim, 1972, isolecto E!, L!, P!), Terengganu.

Distribution — Peninsular Malaysia.

Globba curtisii Holttum — (A)

Globba curtisii Holttum, Gard. Bull. Singapore 13 (1950) 35. — Type: *E.J.H. Corner SFN 33193* (holo SING!, iso E!), Pahang.

Distribution — Peninsular Malaysia.

Globba debilis Ridl. = *Globba pendula* Roxb.

Globba deliana Valetton = *Globba aurantiaca* Miq.

Globba dubia Horan. — (P)

Globba dubia Horan., Prodr. Monogr. Scitam. (1862) 20. — Type: Material not located.

Distribution — Kalimantan.

Globba ectobolos K. Schum. — (P)

Globba ectobolos K. Schum., Pflanzenr. IV, 46 (1904) 156. — Type: *F.J.F. Meyen s.n.* (B).

Distribution — Philippines.

Globba elegans Ridl. = *Globba pendula* subsp. *pendula* Roxb. var. *elegans* (Ridl.) Holttum

Globba fasciata Ridl. = *Globba pendula* Roxb.

Globba fecunda A. Takano & H. Okada — (A)

Globba fecunda A. Takano & H. Okada, Nordic J. Bot. 20 (2000) 61. — Type: *M. Kato 8603* (holo BO, iso K, KYO, TI), West Sumatra, Lembah Anai Natural Reserve.

Distribution — Sumatra.

Globba flavibracteata A. Takano & H. Okada — (A)

Globba flavibracteata A. Takano & H. Okada, Nordic J. Bot. 20 (2000) 64. — Type: *M. Kato 8482* (holo BO), West Sumatra, Ladang Padi.

Distribution — Sumatra.

Globba flavidula Ridl. = *Globba leucantha* var. *flavidula* (Ridl.) Holttum

Globba floribunda Baker = *Globba leucantha* Miq.

Globba fragilis S.N. Lim — (A)

Globba fragilis S.N. Lim, Notes Roy. Bot. Gard. Edinburgh 31 (1972) 252. — Type: *K.C. Cheang 4847* (holo KLU, iso K), Pulau Langkawi.

Distribution — Peninsular Malaysia.

Globba francisci Ridl. — (A)

Globba francisci Ridl., J. Linn. Soc., Bot. 42 (1914) 162. — Lectotype: *L.S. Gibbs 2932* (BM, designated by Smith, 1988), Tenom.

Globba argentiana R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 38. — Type: *G.C.G. Argent & J.A.R. Kerby 802* (holo E!), Gunung Mulu National Park.

Distribution — Sarawak, Sabah.

Globba gibbsiae Ridl. = *Globba tricolor* var. *gibbsiae* (Ridl.) R.M. Sm.

Globba glandulosa Ridl. — (P)

Globba glandulosa Ridl., J. Straits Branch Roy. Asiat. Soc. 49 (1907) 43. — Type: *J. Hewitt 37* (holo K), Mount Lingga.

Distribution — Sarawak.

Globba gracilis K. Schum. — (P)

Globba gracilis K. Schum., Pflanzenr. IV, 46 (1904) 145. — Type: *O. Warburg 14580*, Mindanao, Davao, Mt. Gagapan.

Distribution — Philippines.

Globba hasseltii Boerl. & A. Hasselt — (A)

Globba hasseltii Boerl. & A. Hasselt, Bijdr. Fl. Midd. Sumatra (1884) 34. — Lectotype: *A.L. van Hasselt s.n.* (L, designated by Takano & Okada, 2003).

Distribution — Sumatra.

Globba heterobracteata K. Schum. = *Globba marantina* L.

Globba holttumii S.N. Lim — (A)

Globba holttumii S.N. Lim, Notes Roy. Bot. Gard. Edinburgh 31 (1972) 255. — Type: *S.N. Lim 4822* (holo KLU), Pahang.

Distribution — Peninsular Malaysia.

Globba holttumii subsp. *aurea* S.N. Lim — (A)

Globba holttumii subsp. *aurea* S.N. Lim, Notes Roy. Bot. Gard. Edinburgh 31 (1972) 257. — Type: *P.C. Lee 8206* (holo KLU), Johore.

Distribution — Peninsular Malaysia.

Globba hura (J.F. Gmel.) Roxb. = *Globba pendula* Roxb.

Globba kingii Baker = *Globba pendula* Roxb.

***Globba latifolia* Ridl. — (P)**

Globba latifolia Ridl., Philipp. J. Sci., C 4 (1909) 161. — Type: *E.B. Copeland s.n.* (syn MICH), Zamboanga, San Ramon, *R.S. Williams 2324* (syn US), Mindanao, Sax River, *E.D. Merrill 4064* (syn SING!), Mindoro Oriental, Baco River.

Distribution — Philippines.

***Globba leucantha* Miq. — (A)**

Globba leucantha Miq., Fl. Ned. Ind., Eerste bijv. (1860) 612. — Lectotype: 2035 *HB* (U, designated by Lim, 1972), Lubukalung.

Globba floribunda Baker, Fl. Brit. India 6 (1890) 203. — Type: *G. King 714* (holo CAL), Johore.

Globba pallidiflora Baker, Fl. Brit. India 6 (1890) 204. — Lectotype: *G. King 716* (CAL, designated by Lim, 1972), Johore.

Distribution — Sumatra, Peninsular Malaysia, Singapore.

***Globba leucantha* var. *bicolor* Holttum — (A)**

Globba leucantha var. *bicolor* Holttum, Gard. Bull. Singapore 13 (1950) 27. — Type: *Gimlette s.n.* (1905) (holo SING), Kelantan.

Globba regalis Ridl., J. Fed. Malay States Mus. 4 (1909) 75. — Type: *H.N. Ridley 13905* (holo SING!), Pahang.

Distribution — Thailand, Sumatra, Peninsular Malaysia.

***Globba leucantha* var. *flavidula* (Ridl.) Holttum — (A)**

Globba leucantha var. *flavidula* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 28. — Basionym: *Globba flavidula* Ridl., Fl. Malay Penins. 5 (1925) 338. — Type: *F.W. Foxworthy & Hj. M. Nur bin Mohamed Ghose 11940* (holo SING!, iso K, SING!), Pahang.

Distribution — Sumatra, Peninsular Malaysia.

***Globba leucantha* var. *peninsularis* Holttum ex S.N. Lim — (A)**

Globba leucantha var. *peninsularis* Holttum ex S.N. Lim, Notes Roy. Bot. Gard. Edinburgh 31 (1972) 268. — Type: *J. Sinclair 8200* (holo KLU), Johore.

Distribution — Peninsular Malaysia.

***Globba leucantha* var. *violacea* (Ridl.) Holttum — (A)**

Globba leucantha var. *violacea* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 27. — Basionym: *Globba violacea* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 97. — Lectotype: *Mat s.n.* (1892) (SING!, designated by Holttum, 1950), Johore.

Distribution — Peninsular Malaysia.

Globba leucocarpa Ridl. — (P)

Globba leucocarpa Ridl., Philipp. J. Sci., C 4 (1909) 161. — Type: *A.D.E. Elmer 6465* (syn K, US!), Benguet, Twin Peaks, 7298 (syn), Leyte, Palo, *R.C. McGregor 201* (syn), Mindoro Oriental, Baco River, *E.D. Merrill 1789, 4064a* (syn), Mindoro Oriental, Baco River.

Distribution — Philippines.

Globba macranthera Ridl. = *Globba cernua* Baker

Globba maculata Blume — (P)

Globba maculata Blume, Enum. pl. Javae (1827) 63. — Type: *C.G.C. Reinwardt s.n.* (holo L!, iso L!).

Distribution — Java.

Globba maculata var. **minor** Blume — (P)

Globba maculata var. *minor* Blume, Enum. pl. Javae (1827) 63. — Type: *H. Kuhl & J.C. van Hasselt Globba no. 2* (holo L!), Hariang.

Distribution — Java.

Globba malaccensis Ridl. = *Globba variabilis* Ridl.

Globba marantina L. — (A)

Globba marantina L., Mant. pl. (1771) 170. — Type: *Cat.Linn.herb. 45/1* (holo LINN).

Ceratanthera amomoides Hornem., Enum. pl. hort. hafn., Supplementum (1809) 4. — Type: Material not located.

Globba barthei Gagnep., Bull. Soc. Bot. France 48 (1901) 208. — Type: *Barthe s.n. (1857)* (holo P!), Manila.

Globba zollingeri Gagnep., Bull. Soc. Bot. France 48 (1901) 209. — Type: *H. Zollinger 2372* (syn FI!, P!), 2692 (syn P).

Globba heterobractea K. Schum., Pflanzenr. IV, 46 (1904) 159. — Type: *H. Cuming 1383* (syn L!, P!), Luzon, *O. Warburg 14067* (syn B), Pampanga, Mt. Arayat, *F.J.F. Meyen s.n. (October 1831)* (syn B), Manila, near Halo-Halo.

Globba timorensis K. Schum., Pflanzenr. IV, 46 (1904) 160. — Type: *R. Brown s.n. (April 1803)* (holo L), Timor Leste.

Distribution — Widespread.

Globba merrilli Ridl. — (P)

Globba merrilli Ridl., Publ. Bur. Sci. Gov. Lab. (1905) 83. — Type: *T.E. Borden 1598* (syn SING!), Bataan, Mt. Mariveles, *E.B. Copeland s.n.* (syn MICH), Zamboanga, *E.D. Merrill 3869* (syn), *H.N. Whitford 481* (syn K, SING!), Bataan, Mt. Mariveles.

Distribution — Philippines.

Globba montana Ridl. = *Globba pendula* subsp. *montana* (Ridl.) S.N. Lim

Globba multifolia A. Takano & H. Okada — (A)

Globba multifolia A. Takano & H. Okada, Syst. Bot. 28 (2003) 541. — Type: *M. Kato 8481* (holo BO, iso KYO), West Sumatra.

Distribution — Sumatra.

Globba muluensis R.M. Sm. — (A)

Globba muluensis R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 45 (1988) 14. — Type: *G.C.G. Argent & B. Coppins 1139* (holo E!), Gunung Mulu National Park.

Distribution — Sarawak, Kalimantan.

Globba nawawii H. Ibrahim & K. Larsen — (A)

Globba nawawii H. Ibrahim & K. Larsen, Nordic J. Bot. 15 (1995) 157. — Type: *Mustapha Mohamad RI89025* (holo KLU, iso AAU), Terengganu.

Distribution — Peninsular Malaysia.

Globba nutans L. = *Alpinia nutans* (L.) Roscoe

Globba oligantha Miq. = *Globba pendula* Roxb.

Globba pallidiflora Baker = *Globba leucantha* Miq.

Globba panicoides Miq. = *Globba pendula* Roxb.

Globba paniculata Valetton — (A)

Globba paniculata Valetton, Ann. Jard. Bot. Buitenzorg 31 (1921) 18. — Lectotype: *J.A. Lörzing 4479* (BO, designated by Takano & Okada, 2003), Sibaulangit.

Globba candida Ridl., nom. illeg., J. Malayan Branch Roy. Asiat. Soc 1 (1923) 98. — *Globba virginea* I.M. Turner, nom. nov., Asian Journal of Tropical Biology 4 (2000) 29. — Type: *H.N. Ridley s.n. (11 February 1921)* (holo K), North Sumatra, Berastagi.

Distribution — Sumatra.

Globba parviflora C. Presl — (P)

Globba parviflora C. Presl, Reliq. haenk. 1(2) (1827) 115. — Type: *T. Haenke s.n.* (syn PR!, PRC!).

Distribution — Philippines.

Globba patens Miq. — (A)

Globba patens Miq., Fl. Ned. Ind., Eerste bijv. (1861) 613. — Type: *2038 HB* (holo U!), Lubukalung.

Distribution — Thailand, Sumatra, Peninsular Malaysia.

Globba patens var. *costulata* S.N. Lim — (A)

Globba patens var. *costulata* S.N. Lim, Notes Roy. Bot. Gard. Edinburgh 31 (1972) 260. — Type: *A.R. Lethbridge 8209* (holo KLU), Pahang.

Distribution — Peninsular Malaysia.

Globba paucibractea Valetton — (P)

Globba paucibractea Valetton, Ann. Jard. Bot. Buitenzorg 31 (1921) 23. — Type: *A.W. Nieuwenhuis 1233* (syn BO), *Anon s.n.*, (*HB XI B 145*) (syn BO).

Distribution — Sumatra, Kalimantan.

Globba pendula Roxb. — (A)

- Globba pendula* Roxb., Asiat. Res. 11 (1810) 359. — Type: *Icones Roxburghianae 1014* (K).
Hura siamensium J. König, Observ. bot. 3 (1783) 49. — *Sphaerocarpos hura* J.F. Gmel., Syst. nat. 2(1) (1791) 9. — *Manitia aurea* Giseke, nom. illeg., Prael. ord. nat. pl. (1792) 251. — *Globba hura* (J.F. Gmel.) Roxb., Asiat. Res. 11 (1810) 359. — *Globba siamensium* (J. König) A.S. Rao & D.M. Verma, Bull. Bot. Surv. India 14 (1975) 118. — Type: *J.G. König s.n.* (holo C!), Thailand.
Globba versicolor Sm., Exot. Bot. 2 (1808) 116. — Type: Material not located.
Globba ciliata Jack, Descriptions of Malayan plants 2(7) (1822) 5. — Type: *W. Jack s.n.*, specimen lost.
Globba uliginosa Miq., Fl. Ned. Ind., Eerste bijv. (1861) 613. — Lectotype: *J. Amann s.n.* (July 1858) (U, designated by Lim, 1972), Bangka.
Globba panicoides Miq., Fl. Ned. Ind., Eerste bijv. (1861) 614. — Lectotype: *J.E. Teijsmann HB 2039* (U, designated by Lim, 1972), West Sumatra.
Globba oligantha Miq., Fl. Ned. Ind., Eerste bijv. (1861) 613. — Lectotype: *HB 4277* (U!, designated by Takano & Okada, 2003, isolecto BO!, L!), Lampung.
Globba aphylla Miq., Fl. Ned. Ind., Eerste bijv. (1861) 614. — Lectotype: *J.E. Teijsmann s.n.* (U, designated by Lim, 1972), Lubukalung.
Globba wallichii Baker, Fl. Brit. India 6 (1890) 202. — Lectotype: *N. Wallich 6533* (K, designated by Lim, 1972), Penang.
Globba elongata Baker, Fl. Brit. India 6 (1890) 203, nom. nud.
Globba kingii Baker, Fl. Brit. India 6 (1890) 204. — Lectotype: *G. King 715* (CAL, designated by Lim, 1972), Singapore.
Globba calophylla Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 93. — Type: *C. Curtis 3286* (holo SING!, iso K), Phangnga.
Globba polyphylla K. Schum., Pflanzenr. IV, 46 (1904) 140. — Type: *P.W. Korthals s.n.* (L).
Globba valida Ridl., J. Fed. Malay States Mus. 4 (1909) 76. — Lectotype: *H.N. Ridley 13908* (K, designated by Lim, 1972), Pahang.
Globba fasciata Ridl., J. Straits Branch Roy. Asiat. Soc. 57 (1910) 101. — Type: *H.N. Ridley 14415* (holo K, iso SING!), Perak.
Globba debilis Ridl., J. Straits Branch Roy. Asiat. Soc. 54 (1910) 56. — Type: *C.J. Brooks s.n.* (holo K), Kalimantan.

Distribution — Thailand, Sumatra, Peninsular Malaysia, Singapore, Sarawak, Sabah, Kalimantan.

Notes — The synonymy of this species is complex, particularly in regard to *Hura siamensium* J. König. A forthcoming paper will explain this in detail (K.J. Williams, in prep.).

Globba pendula subsp. **montana** (Ridl.) S.N. Lim — (A)

- Globba pendula* subsp. *montana* (Ridl.) S.N. Lim, Notes Roy. Bot. Gard. Edinburgh 31 (1972) 266. — Basionym: *Globba montana* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 92. — Lectotype: *H.N. Ridley s.n.* (*June 1893*) (SING!, designated by Turner, 2000), Kedah.

Distribution — Peninsular Malaysia.

Globba pendula subsp. **pendula** Roxb. var. **elegans** (Ridl.) Holttum — (A)

- Globba pendula* subsp. *pendula* Roxb. var. *elegans* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 31. — Basionym: *Globba elegans* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 96. — Lectotype: *H.N. Ridley 8392* (K, designated by Lim, 1972, isolecto SING!), Perak.

Distribution — Peninsular Malaysia.

Globba perakensis Ridl. = *Globba variabilis* Ridl.

Globba polyphylla K. Schum. = *Globba pendula* Roxb.

Globba propinqua Ridl. — (A)

Globba propinqua Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 230. — Lectotype: *H.N. Ridley s.n.* (September 1904) (K, designated by Turner, 2000), Sarawak.

Distribution — Sarawak, Sabah.

Globba pulchella K. Schum. = *Alpinia pulchella* (K. Schum.) K. Schum.

Globba pumila Ridl. — (A)

Globba pumila Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 231. — Type: *H.N. Ridley 12357* (holo K), Puak.

Distribution — Sarawak.

Globba pyramidata Gagnep. — (P)

Globba pyramidata Gagnep., Bull. Soc. Bot. France 48 (1901) 204. — Type: *J. Montano 203* (P!), Mindanao.

Distribution — Philippines.

Globba regalis Ridl. = *Globba leucantha* var. *bicolor* Holttum

Globba siamensium (J. König) A.S. Rao & D.M. Verma = *Globba pendula* Roxb.

Globba talangensis A. Takano & H. Okada — (A)

Globba talangensis A. Takano & H. Okada, Nordic J. Bot. 20 (2000) 62. — Type: *Y. Mori & A. Takano 8894* (holo BO, iso AAU, E, K, KYO, TI), Gunung Talang.

Distribution — Sumatra.

Globba timorensis K. Schum. = *Globba marantina* L.

Globba trachycarpa Baker = *Globba cernua* Baker

Globba tricolor Ridl. — (A)

Globba tricolor Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 231. — Lectotype: *H.N. Ridley 11806* (K, designated by Smith, 1988), Gunung Matang.

Distribution — Sarawak.

Globba tricolor var. **gibbsiae** (Ridl.) R.M. Sm. — (A)

Globba tricolor var. *gibbsiae* (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 45 (1988) 11. — Basionym: *Globba gibbsiae* Ridl., J. Linn. Soc., Bot. 42 (1914) 162. — Type: *L.S. Gibbs 2872* (holo BM), Tenom.

Distribution — Sarawak, Brunei, Sabah.

Globba uliginosa Miq. = *Globba pendula* Roxb.

Globba unifolia Ridl. — (A)

Globba unifolia Ridl., J. Straits Branch Roy. Asiat. Soc. 44 (1905) 193. — Type: A. Rostado s.n. (01 July 1902) (holo SING!), Terengganu.

Distribution — Peninsular Malaysia.

Globba unifolia var. *sessiliflora* Holttum = *Globba corneri* A. Weber, nom. nov.

Globba urophylla K. Schum. — (P)

Globba urophylla K. Schum., Pflanzenz. IV, 46 (1904) 140. — Type: W.H. de Vriese & J.E. Teijsmann s.n.

Distribution — Moluccas.

Globba ustulata Gagnep. — (P)

Globba ustulata Gagnep., Bull. Soc. Bot. France 48 (1901) 208. — Type: A. Marche B 227 (P!).

Distribution — Philippines.

Globba uviformis L. = *Plagiostachys uviformis* (L.) Loes.

Globba valida Ridl. = *Globba pendula* Roxb.

Globba variabilis Ridl. — (A)

Globba variabilis Ridl., Trans. Linn. Soc. London, Bot. 3 (1893) 378. — Lectotype: H.N. Ridley 2405 (K, designated by Lim, 1972), Pahang.

Globba perakensis Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 98. — Lectotype: C. Curtis 3141 (SING!, designated by Lim, 1972), Perak.

Globba malaccensis Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 93. — Lectotype: J.S. Good-enough 1426 (SING!, designated by Turner, 2000), Peninsular Malaysia.

Distribution — Sumatra, Peninsular Malaysia, Singapore.

Globba variabilis subsp. **pusilla** S.N. Lim — (A)

Globba variabilis subsp. *pusilla* S.N. Lim, Notes Roy. Bot. Gard. Edinburgh 31 (1972) 261. — Type: W.L. Chew 8246 (holo KLU), Johore.

Distribution — Peninsular Malaysia.

Globba versicolor Sm. = *Globba pendula* Roxb.

Globba violacea Ridl. = *Globba leucantha* var. *violacea* (Ridl.) Holttum

Globba virginea I.M. Turner, nom. nov. = *Globba paniculata* Valetton

Globba wallichii Baker = *Globba pendula* Roxb.

Globba zollingeri Gagnep. = *Globba marantina* L.

Greenwaya Giseke = *Hornstedtia* Retz.

Greenwaya scyphifera (J. König) Giseke = *Hornstedtia scyphifera* (J. König) Steud.

Guillainia Vieill. = *Alpinia* Roxb., nom. cons.

Guillainia minor Ridl. — (P)

Guillainia minor Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 216. — Type: *C.B. Kloss s.n. (1912)* (syn E!).

Distribution — West Papua.

Guillainia purpurata Vieill. = *Alpinia purpurata* (Vieill.) K. Schum.

Guillainia rechingeri Gagnep. = *Alpinia oceanica* Burkill, nom. nov.

Guillainia superba Ridl. = *Alpinia superba* (Ridl.) Loes.

Guillainia vittata (W. Bull) Ridl. = *Alpinia vittata* W. Bull

Haniffia Holttum — (A)

Haniffia Holttum, Gard. Bull. Singapore 13 (1950) 123. — Type species: *Haniffia cyanescens* (Ridl.) Holttum.

Revision status — A: Larsen & Mood (2000).

Distribution — Thailand, Peninsular Malaysia.

Haniffia albiflora K. Larsen & Mood — (A)

Haniffia albiflora K. Larsen & Mood, Nordic J. Bot. 20 (2000) 287. — Type: *K. Larsen 45605* (holo AAU), Narathiwat.

Distribution — Thailand.

Haniffia cyanescens (Ridl.) Holttum — (A)

Haniffia cyanescens (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 124. — Basionym: *Elettariopsis cyanescens* Ridl., J. Straits Branch Roy. Asiat. Soc. 41 (1904) 31. — *Kaempferia cyanescens* (Ridl.) Ridl., J. Straits Branch Roy. Asiat. Soc. 86 (1922) 308. — Type: *W.J. Napier s.n. (1903)* (holo SING, iso K), Negeri Sembilan.

Distribution — Peninsular Malaysia.

Haniffia cyanescens var. **penangiana** C.K. Lim — (A)

Haniffia cyanescens var. *penangiana* C.K. Lim, Folia Malaysiana 2 (2000) 36. — Type: *C.K. Lim L4292* (holo KEP, iso SING!), Penang.

Distribution — Peninsular Malaysia.

Haplochorema K. Schum. — (A)

Haplochorema K. Schum., Bot. Jahrb. Syst. 27 (1899) 331. — Type species: Not designated.

Revision status — **B**: Smith (1987).

Distribution — Sumatra, Sarawak.

Haplochorema decus-sylvae (Hallier f.) Valetton — (**A**)

Haplochorema decus-sylvae (Hallier f.) Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 116.

— Basionym: *Kaempferia decus-sylvae* Hallier f., Ann. Jard. Bot. Buitenzorg 13 (1896) 321.

— Type: *J.G. Hallier B 2636* (syn BO), West Kalimantan, Gunung Liang Gagang, *s.n.* (7 May 1894) (syn BO), West Kalimantan, between Mandai and Kapuas.

Haplochorema uniflorum K. Schum., Bot. Jahrb. Syst. 27 (1899) 332. — Type: *O. Beccari 3219* (holo FI!), Batang Lupar, Gunung Tieng.

Distribution — Sarawak, Kalimantan.

Haplochorema extensum K. Schum. — (**P**)

Haplochorema extensum K. Schum., Bot. Jahrb. Syst. 27 (1899) 333. — Type: *O. Beccari 3218* (holo FI!, iso E!).

Distribution — Sarawak.

Haplochorema gracilipes K. Schum. = *Boesenbergia gracilipes* (K. Schum.) R.M. Sm.

Haplochorema magnum R.M. Sm. — (**A**)

Haplochorema magnum R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 214. — Type: *B.L. Burt 11345* (holo E!, iso E!, SAR!).

Distribution — Sarawak.

Haplochorema oligospermum (K. Schum.) K. Schum. = *Boesenbergia oligosperma* (K. Schum.) R.M. Sm.

Haplochorema pauciflorum R.M. Sm. — (**A**)

Haplochorema pauciflorum R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 213. — Type: *B.L. Burt & A.M. Martin C6737* (holo E!).

Distribution — Sarawak.

Haplochorema pauciflorum var. **bullatum** R.M. Sm. — (**A**)

Haplochorema pauciflorum var. *bullatum* R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 213. — Type: *B.L. Burt & A.M. Martin 4927* (holo E!, iso SAR!), Hose Mountains.

Distribution — Sarawak.

Haplochorema petiolatum K. Schum. = *Scaphochlamys petiolata* (K. Schum.) R.M. Sm.

Haplochorema polyphyllum K. Schum. = *Scaphochlamys polyphylla* (K. Schum.) B.L. Burt & R.M. Sm.

Haplochorema sumatranum Burkill — (**P**)

Haplochorema sumatranum Burkill, Gard. Bull. Straits Settlem. 3 (1923) 18. — Type: *Hj. M. Nur bin Mohamed Ghose 7258* (holo SING), Sibulangit.

Distribution — Sumatra.

Haplochorema uniflorum K. Schum. = *Haplochorema decus-sylvae* (Hallier f.) Valeton

Hedychium J. König — (A)

Hedychium J. König, *Observ. bot.* 3 (1783) 61. — Type species: *Hedychium coronarium* J. König.
Brachychilum Petersen, *Bot. Tidsskr.* 18 (1893) 263. — Type species: *Brachychilum horsfieldii* (Wall.) Petersen.

Revision status — A: T.H. Wood (in prep.).

Distribution — Sumatra, Peninsular Malaysia, Sarawak, Sabah, Java, Philippines, Sulawesi, Moluccas.

Hedychium aureum K. Schum., nom. illeg. = *Hedychium erythrostemon* K. Schum.

Hedychium borneense R.M. Sm. — (A)

Hedychium borneense R.M. Sm., *Edinburgh J. Bot.* 47(3) (1990) 372. — Type: *G.C.G. Argent s.n.* (October 1989) (holo E!), Tambunan District.

Distribution — Sabah.

Hedychium chrysoleucum Hook. — (A)

Hedychium chrysoleucum Hook., *Bot. Mag.* (1850) t. 4516. — Type: *Anon. s.n.* (holo K).
Amomum filiforme W. Hunter, *J. Straits Branch Roy. Asiat. Soc.* 53 (1909) 60. — Type: The plants of Prince of Wales Island. From a MS. in the British Museum by Sir William Hunter. *J. Straits Branch Roy. Asiat. Soc.* 53: 60 (1909).

Distribution — Peninsular Malaysia.

Hedychium collinum Ridl. — (P)

Hedychium collinum Ridl., *J. Straits Branch Roy. Asiat. Soc.* 32 (1899) 103. — Type: *H.N. Ridley s.n.* (June 1893) (holo K), Kedah.

Distribution — Peninsular Malaysia.

Hedychium crassifolium Baker = *Hedychium longicornutum* Griff. ex Baker

Hedychium cylindricum Ridl. — (A)

Hedychium cylindricum Ridl., *J. Malayan Branch Roy. Asiat. Soc.* 1 (1923) 98. — Lectotype: *H.N. Ridley s.n.* (8 February 1921) (K, designated by Smith, 1987), Sumatra.
Hedychium mjoebergii Merr., *Sarawak Mus. J.* 3 (1928) 519. — Type: *E.P. Mjöberg 121* (UC).

Distribution — Sumatra, Sarawak, Sabah.

Hedychium denticulatum Ridl. = *Alpinia denticulata* (Ridl.) Holttum

Hedychium erythrostemon K. Schum. — (A)

Hedychium erythrostemon K. Schum., *Pflanzenr.* IV, 46 (1904) 47. — *Hedychium aureum* K. Schum., nom. illeg., *Bot. Jahrb. Syst.* 27 (1899) 340. — Type: *K.F. & P.B. Sarasin 794* (holo B), North Sulawesi.

Distribution — Sulawesi.

Hedychium hasseltii Blume — (A)

Hedychium hasseltii Blume, Enum. pl. Javae (1827) 56. — Type: *Anon. s.n.* (syn L!), *J.C. van Hasselt s.n.* (syn L!).

Distribution — Java.

Hedychium hirsutissimum Holttum — (A)

Hedychium hirsutissimum Holttum, Gard. Bull. Singapore 13 (1950) 76. — Type: *E.J.H. Berwick 215* (holo SING!), Perak.

Distribution — Peninsular Malaysia.

Hedychium horsfieldii Wall. — (A)

Hedychium horsfieldii Wall., Hooker's J. Bot. Kew Gard. Misc. 5 (1853) 376. — *Brachyichilum horsfieldii* (Wall.) Petersen, Bot. Tidsskr. 18 (1893) 262, t. 17. — Type: *T. Horsfield s.n.*

Hedychium microchilum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 101. — Type: *Anon. s.n.* (cultivated *Hortus Singapore*).

Distribution — Java.

Hedychium intermedium Blume — (P)

Hedychium intermedium Blume, Enum. pl. Javae (1827) 57. — Type: *Anon. s.n.* (L).

Distribution — Java.

Hedychium lanatum Scheff. = *Riedelia lanata* (Scheff.) Valetou

Hedychium lineare R.M. Sm. — (A)

Hedychium lineare R.M. Sm., Edinburgh J. Bot. 47 (1990) 373. — Type: *P.W. Richards 1311* (holo K), 4th Division, Dulit Range, near Long Kapa.

Distribution — Sarawak.

Hedychium longicornutum Griff. ex Baker — (A)

Hedychium longicornutum Griff. ex Baker, Fl. Brit. India 6 (1892) 228. — Type: *W. Griffith s.n.*

Hedychium crassifolium Baker, Fl. Brit. India 6 (1892) 228. — Type: *H.H. Kunstler s.n.* (K).

Distribution — Peninsular Malaysia.

Hedychium longicornutum var. *minor* Ridl. — (P)

Hedychium longicornutum var. *minor* Ridl., Bull. Misc. Inform. (1926) 88. — Type: C.B. Kloss 14599 (holo K, iso SING!), Pulau Siberut.

Distribution — Sumatra.

Hedychium macrorrhizum Ridl. — (P)

Hedychium macrorrhizum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 102. — Lectotype: *H.N. Ridley 8477* (SING!, designated by Holttum, 1950), Selangor.

Distribution — Peninsular Malaysia.

Hedychium malayanum Ridl. — (A)

Hedychium malayanum Ridl., Fl. Malay Penins. 4 (1924) 241. — Lectotype: *C.E.H Ferguson-Davie s.n. (October 1921)* (K!), designated by Holttum, 1950, isolecto SING!), Pahang.

Distribution — Peninsular Malaysia.

Hedychium microchilum Ridl. = *Hedychium horsfieldii* Wall.

Hedychium mindanaense Elmer — (P)

Hedychium mindanaense Elmer, Leafl. Philipp. Bot. 8 (1915) 2904. — Type: *A.D.E. Elmer 10673* (iso MICH), Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Hedychium mjoebergii Merr. = *Hedychium cylindricum* Ridl.

Hedychium muluense R.M. Sm. — (A)

Hedychium muluense R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 57. — Type: *Anon. C12762 (cultivated Hortus Edinburg)* (holo E!), Gunung Mulu National Park.

Distribution — Sarawak, Sabah.

Hedychium oblongum K. Schum. — (P)

Hedychium oblongum K. Schum., Pflanzenr. IV, 46 (1904) 48. — Type: *F.W. Junghuhn s.n. (L!)*.

Distribution — Java.

Hedychium palembanicum Miq. = *Nanochilus palembanicus* (Miq.) K. Schum.

Hedychium paludosum M.R. Hend. — (P)

Hedychium paludosum M.R. Hend., J. Malayan Branch Roy. Asiat. Soc 5 (1927) 273. — Type: *M.R. Henderson SFN 17844* (holo SING), Pahang.

Distribution — Peninsular Malaysia.

Hedychium philippinense K. Schum. — (P)

Hedychium philippinense K. Schum., Pflanzenr. IV, 46 (1904) 47. — Type: *S. Vidal y Soler 3924* (iso K), Sulu, Jolo Group.

Distribution — Philippines.

Hedychium simile Blume — (P)

Hedychium simile Blume, Enum. pl. Javae (1827) 57. — Type: *Anon. s.n. (L!)*.

Distribution — Java.

Hedychium spanogheanum Wall. — (P)

Hedychium spanogheanum Wall., Hooker's J. Bot. Kew Gard. Misc. 5 (1853) 375. — Type: *J.B. Spanoghe s.n.*

Distribution — Java.

Hedychium sumatranum Jack — (P)

Hedychium sumatranum Jack, Descriptions of Malayan plants 2(7) (1822) 1. — Type: *W. Jack s.n.*, specimen lost.

Distribution — Sumatra.

Hedychium tenellum (K. Schum.) R.M. Sm. — (A)

Hedychium tenellum (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 38 (1980) 19. — Basionym: *Brachyichilum tenellum* K. Schum., Pflanzenr. IV, 46 (1904) 61. — Type: *C. Curtis? s.n.* (cultivated *Hortus Veitch 1897*) (holo K, iso E!), Ternate or Tidore.

Distribution — Moluccas.

Hedychium villosum Wall. — (P)

Hedychium villosum Wall., Fl. ind. 1 (1820) 12. — Type: Material not located.

Distribution — Peninsular Malaysia.

Hellenia Willd. 1797, non Retz. 1791 = *Alpinia* Roxb., nom. cons.

Hellenia allughas (Retz.) Willd. = *Alpinia nigra* (Gaertn.) B.L. Burt

Hellenia bracteata Blume = *Alpinia ludwigiana* R.M. Sm.

Hellenia caerulea R. Br. = *Alpinia caerulea* (R. Br.) Benth.

Hellenia melanocarpa Teijsm. & Binn. = *Alpinia aquatica* (Retz.) Roscoe

Hellenia pubiflora Benth. = *Alpinia pubiflora* (Benth.) K. Schum.

Hellenia rufa C. Presl = *Alpinia rufa* (C. Presl) K. Schum.

Hellenia scabra Blume = *Alpinia scabra* (Blume) Náves

Hellwigia Warb. = *Alpinia* Roxb., nom. cons.

Hellwigia pulchra Warb. = *Alpinia pulchra* (Warb.) K. Schum.

Heritiera Retz. = *Alpinia* Roxb., nom. cons.

Heritiera alba Retz. = *Alpinia galanga* (L.) Willd.

Heritiera allughas Retz. = *Alpinia nigra* (Gaertn.) B.L. Burt

Heritiera aquatica Retz. = *Alpinia aquatica* (Retz.) Roscoe

Hitcheniopsis (Baker) Ridl. = *Curcuma* L., p.p., *Kaempferia* L., p.p., *Scaphochlamys* Baker, p.p.

Hitcheniopsis kunstleri (Baker) Ridl. = *Scaphochlamys kunstleri* (Baker) Holttum

Hitcheniopsis kunstleri var. *rubra* (Ridl.) Ridl. = *Scaphochlamys kunstleri* var. *rubra* (Ridl.) Holttum

Hitcheniopsis lanceolata (Ridl.) Ridl. = *Scaphochlamys perakensis* Holttum, nom. nov.

Hornstedtia Retz. — (A)

Hornstedtia Retz., *Observ. bot.* 6 (1791) 18. — Type species: *Hornstedtia scyphifera* (J. König) Steud.

Greenwaya Giseke, *Prael. ord. nat. pl.* (1792) 245, nom. illeg.

Donacodes Blume, *Enum. pl. Javae* (1827) 54. — Type species: *Donacodes paludosa* Blume.

Stenochasma Griff., *Not. pl. asiat.* 3 (1851) 431. — Type species: Not designated.

Cardamomum Kuntze, *Revis. gen. pl.* 2 (1891) 685, p.p. — Type species: Not designated.

Revision status — **B**: Smith (1985).

Distribution — Sumatra, Peninsular Malaysia, Singapore, Sarawak, Sabah, Kalimantan, Java, Philippines, Sulawesi, Moluccas, West Papua, Papua New Guinea.

Notes — It cannot be established which of *Stenochasma* Griff. and *Stenochasma* Miq. (March 1851) was published first.

Hornstedtia affinis Ridl. — (A)

Hornstedtia affinis Ridl., *J. Straits Branch Roy. Asiat. Soc.* 32 (1899) 143. — Type: *G.D. Haviland 1764* (holo K, iso SAR!), Kuching.

Amomum phaeochoanum K. Schum., *Bot. Jahrb. Syst.* 27 (1899) 304. — *Hornstedtia phaeochoana* (K. Schum.) K. Schum., *Pflanzenr.* IV, 46 (1904) 191. — Type: *O. Beccari 615* (holo FI!), Kuching.

Distribution — Sarawak.

Hornstedtia albomarginata Ridl. = *Etingera metriocheilos* (Griff.) R.M. Sm.

Hornstedtia alliacea Valeton = *Hornstedtia conica* Ridl.

Hornstedtia beccarii Ridl. — (P), see *Amomum vestitum* K. Schum.

Hornstedtia brachychila Ridl. = *Etingera brachychila* (Ridl.) R.M. Sm.

Hornstedtia brevilabris (Valeton) Merr. = *Etingera brevilabrum* (Valeton) R.M. Sm.

Hornstedtia conica Ridl. — (A)

Hornstedtia conica Ridl., *J. Straits Branch Roy. Asiat. Soc.* 32 (1899) 142. — Lectotype: *H.N. Ridley 7803* (SING!, designated by Turner, 2000), Selangor.

Amomum sarawacense K. Schum., *Bot. Jahrb. Syst.* 27 (1899) 304. — *Hornstedtia sarawacensis* (K. Schum.) K. Schum., *Pflanzenr.* IV, 46 (1904) 191. — Type: *O. Beccari 1435* (holo FI!), Gunung Matang.

Hornstedtia alliacea Valeton, *Icon. Bogor.* 4 (1912) t. 350. — Lectotype: *Anon. s.n.* (BO, designated by Sakai & Nagamasu, 2003), Bogor.

Distribution — Peninsular Malaysia, Sarawak, Java.

Hornstedtia conoidea Ridl. — (P)

Hornstedtia conoidea Ridl., Leafl. Philipp. Bot. 2 (1909) 605. — Combination: *Amomum conoideum* (Ridl.) Elmer, Leafl. Philipp. Bot. 8 (1919) 2972. — Type: *A.D.E. Elmer 10246* (holo K, iso FI!, G!), Negros Oriental, Dumaguete.

Distribution — Philippines.

Hornstedtia cyathifera Valetton — (A)

Hornstedtia cyathifera Valetton, Nova Guinea 8 (1913) 929. — Type: *G.M. Versteeg 1523* (L!).

Distribution — West Papua, Papua New Guinea.

Hornstedtia dalican Elmer = *Etingera dalican* (Elmer) A.D. Poulsen

Hornstedtia deliana Valetton — (P)

Hornstedtia deliana Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 175. — Type: *J.A. Lörzing 5513* (holo BO), Sibaulangit.

Distribution — Sumatra.

Hornstedtia elongata (K. Schum.) K. Schum. — (P), see *Amomum elongatum* K. Schum.

Hornstedtia foetens (Blume) K. Schum. = *Etingera foetens* (Blume) R.M. Sm.

Hornstedtia fulgens Ridl. = *Etingera fulgens* (Ridl.) C.K. Lim

Hornstedtia gracilis R.M. Sm. — (A)

Hornstedtia gracilis R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 233. — Type: *R.M. Smith, A. Phillips & Tan S36/86* (holo E!), Poring Hot Springs.

Distribution — Sabah.

Hornstedtia grandis Ridl. = *Hornstedtia scyphifera* var. *grandis* (Ridl.) Holttum

Hornstedtia havilandii (K. Schum.) K. Schum. — (A)

Hornstedtia havilandii (K. Schum.) K. Schum., Pflanzenr. IV, 46 (1904) 193. — Basionym: *Amomum havilandii* K. Schum., Bot. Jahrb. Syst. 27 (1899) 303. — Lectotype: *O. Beccari 1148* (K, designated by Smith, 1985, isolecto FI!).

Distribution — Sarawak, Sabah.

Hornstedtia hewittii Ridl. = *Etingera nasuta* (K. Schum.) R.M. Sm.

Hornstedtia imperialis (Horan.) Ridl. = *Etingera elatior* (Jack) R.M. Sm.

Hornstedtia incana R.M. Sm. — (P)

Hornstedtia incana R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 290. — Type: *C. Hansen 512* (holo C), Gunung Mulu National Park.

Distribution — Sarawak, Sabah.

Hornstedtia irosinensis Elmer — (P)

Hornstedtia irosinensis Elmer, Leafl. Philipp. Bot. 8 (1919) 2981. — Combination: *Amomum irosinense* (Elmer) Merr., Enum. Philipp. fl. pl. 1 (1923) 239. — Type: A.D.E. Elmer 16263 (syn FI!, MICH), Sorsogon, Mt. Bulusan, Irosin, 16832 (syn C!, FI!), Sorsogon.

Distribution — Philippines.

Hornstedtia leonurus (J. König) Retz. — (A)

Hornstedtia leonurus (J. König) Retz., Observ. bot. 6 (1791) 18. — Basionym: *Amomum leonurus* J. König, Observ. bot. 3 (1783) 69. — *Cardamomum leonurus* (J. König) Kuntze, Revis. gen. pl. 2 (1891) 686. — Type: J.G. König s.n. (C!).

Stenochasma convoluta Griff., Not. pl. asiat. 3 (1851) 433. — Type: Material not located.

Amomum ridleyi Baker, Bull. Misc. Inform. (1892) 128. — Type: H.N. Ridley 96 (holo K), Singapore.

Distribution — Peninsular Malaysia, Singapore.

Hornstedtia lepigarpa (Ridl.) Elmer = *Amomum lepigarpum* Ridl.

Hornstedtia licmeres Ridl. = *Etilingera nasuta* (K. Schum.) R.M. Sm.

Hornstedtia longipes Ridl. — (P)

Hornstedtia longipes Ridl., Bot. Jahrb. Syst. 44 (1910) 530. — Type: H.J.P. Winkler 2227 (holo WRS!).

Distribution — Kalimantan.

Hornstedtia lophophora Ridl. — (P)

Hornstedtia lophophora Ridl., Leafl. Philipp. Bot. 2 (1909) 607. — Type: A.D.E. Elmer 10365 (holo K, iso G!, L!), Negros Oriental, Dumaguete.

Distribution — Philippines.

Hornstedtia lycostoma Lauterb. & K. Schum. = *Hornstedtia scottiana* (F. Muell.) K. Schum.

Hornstedtia lycostoma var. **scabra** Valeton — (P)

Hornstedtia lycostoma var. *scabra* Valeton, Nova Guinea 8 (1913) 929. — Type: K. Gjellerup 257a (holo BO).

Distribution — West Papua.

Hornstedtia macrocheilos (Griff.) Ridl. = *Etilingera punicea* (Roxb.) R.M. Sm.

Hornstedtia macrodons (Scort.) K. Schum. = *Amomum macrodons* Scort.

Hornstedtia macrodus (Scort.) K. Schum. = *Amomum macrodons* Scort.

Hornstedtia maingayi (Baker) Ridl. = *Etilingera maingayi* (Baker) R.M. Sm.

Hornstedtia megalocheilos (Griff.) Ridl. = *Etilingera littoralis* (J. König) Giseke

Hornstedtia metriocheilos (Griff.) Ridl. = *Etilingera metriocheilos* (Griff.) R.M. Sm.

Hornstedtia microcheila Ridl. — (P)

Hornstedtia microcheila Ridl., Leafl. Philipp. Bot. 2 (1909) 606. — Combination: *Amomum microcheilum* (Ridl.) Merr., Enum. Philipp. fl. pl. 1 (1923) 239. — Type: *A.D.E. Elmer 10279* (holo K, iso G!), Negros Oriental, Dumaguete.

Distribution — Philippines.

Hornstedtia minor (Blume) K. Schum. — (A)

Hornstedtia minor (Blume) K. Schum., Pflanzenz. IV, 46 (1904) 199. — Basionym: *Elettaria minor* Blume, Enum. pl. Javae (1827) 53. — *Alpinia minor* (Blume) D. Dietr., Syn. pl. 1 (1839) 12. — *Cardamomum minus* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 687. — *Amomum minus* (Blume) K. Schum., Bot. Jahrb. Syst. 27 (1899) 305. — Type: *C.L. von Blume 2266* (holo L!, iso L!), Java.

Geanthus minor Reinw., nom. nud., Catalogus (1823) 29.

Amomum ophiuchus Ridl., Trans. Linn. Soc. London, Bot. 3 (1893) 381. — *Hornstedtia ophiuchus* (Ridl.) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 141. — Lectotype: *H.N. Ridley s.n. (July 1891)* (SING!, designated by Turner, 2000), Pahang.

Distribution — Peninsular Malaysia, Kalimantan, Java.

Hornstedtia minuta (Blume) K. Schum. — (P), see *Elettaria minuta* Blume**Hornstedtia mollis** (Blume) Valetton — (P), see *Elettaria mollis* Blume

Hornstedtia ophiuchus (Ridl.) Ridl. = *Hornstedtia minor* (Blume) K. Schum.

Hornstedtia paludosa (Blume) K. Schum. — (A)

Hornstedtia paludosa (Blume) K. Schum., Pflanzenz. IV, 46 (1904) 200. — Basionym: *Donacodes paludosa* Blume, Enum. pl. Javae (1827) 54. — *Alpinia paludosa* (Blume) D. Dietr., Syn. pl. 1 (1839) 12. *Elettaria paludosa* (Blume) Miq., Fl. Ned. Ind. 3 (1859) 603. — *Cardamomum paludosum* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 687. — *Amomum paludosum* (Blume) K. Schum., Bot. Jahrb. Syst. 27 (1899) 305. — Type: *C.L. von Blume s.n.* (holo L!).

Distribution — Java.

Hornstedtia pandanicarpa (Elmer) Elmer = *Etilingera pandanicarpa* (Elmer) A.D. Poulsen

Hornstedtia paradoxa Ridl. = *Alpinia paradoxa* (Ridl.) Loes.

Hornstedtia parviflora Ridl. — (P)

Hornstedtia parviflora Ridl., Bull. Misc. Inform. (1926) 89. — Type: *C.B. Kloss SFN 14739* (holo K, iso BO!), West Sumatra, Pulau Sipora.

Distribution — Sumatra.

Hornstedtia pauciflora Ridl. = *Etilingera pauciflora* (Ridl.) R.M. Sm.

Hornstedtia penicellata K. Schum. — (A)

Hornstedtia penicellata K. Schum., Pflanzenz. IV, 46 (1904) 193. — *Amomum penicillatum* K. Schum., nom. nud., Bot. Jahrb. Syst. 27 (1899) 304. — Type: *K.F. & P.B. Sarasin 862* (holo B), South Sulawesi, Kalaena River.

Distribution — Sulawesi.

Hornstedtia peninsularis Elmer — (P)

Hornstedtia peninsularis Elmer, Leaf. Philipp. Bot. 8 (1919) 2983. — Type: *A.D.E. Elmer 16455* (iso C!, FI!, G!), Sorsogon, Mt. Bulusan, Irosin.

Distribution — Philippines.

Hornstedtia phaeochoana (K. Schum.) K. Schum. = *Hornstedtia affinis* Ridl.

Hornstedtia philippinensis Ridl. = *Etingera philippinensis* (Ridl.) R.M. Sm.

Hornstedtia pininga (Blume) Valeton — (A)

Hornstedtia pininga (Blume) Valeton, Bull. Inst. Bot. Buitenzorg 20 (1904) 93. — Basionym: *Donacodes pininga* Blume, Enum. pl. Javæ (1827) 54. — *Alpinia pininga* (Blume) D. Dietr., Syn. pl. 1 (1839) 12. — *Cardamomum pininga* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 687. — Type: *C.L. von Blume 201* (L!).

Geanthus piningi Reinw., nom. nud., Catalogus (1823) 29.

Distribution — Java.

Hornstedtia pininga var. **aurantiaca** Valeton — (P)

Hornstedtia pininga var. *aurantiaca* Valeton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 164. — Type: *W.M. van Leeuwen s.n. (5 December 1918)* (syn BO), West Java, Gunung Galunggung, *J.A. Lörzing 1252, 1257* (syn BO), West Java, Gunung Sembung.

Distribution — Java.

Hornstedtia pininga var. **borneense** R.M. Sm. — (A)

Hornstedtia pininga var. *borneense* R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 293. — Type: *B.L. Burt & A.M. Martin B 5152* (holo E!, iso SAR!), Gunung Matang.

Distribution — Sarawak.

Hornstedtia pininga var. **rubriflora** Valeton — (P)

Hornstedtia pininga var. *rubriflora* Valeton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 164. — Type: *Anon. s.n.* (holo BO), West Java.

Distribution — Java.

Hornstedtia propinqua (Ridl.) Elmer — (P), see *Amomum propinquum* Ridl.

Hornstedtia pubescens (Ridl.) Elmer = *Amomum pubescens* (Ridl.) Merr.

Hornstedtia punicea (Roxb.) K. Schum. = *Etingera punicea* (Roxb.) R.M. Sm.

Hornstedtia purpurea Elmer = *Etingera purpurea* (Elmer) A.D. Poulsen

Hornstedtia pusilla Ridl. — (A)

Hornstedtia pusilla Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 143. — Type: *H.N. Ridley s.n. (1891)* (holo SING!), Pahang.

Distribution — Peninsular Malaysia.

Hornstedtia reticosa Valetton — (P)

Hornstedtia reticosa Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 166. — Type: *H.A.B. Binnemeyer 694, 953, 1093* (syn BO), West Sumatra, Gunung Talaman (“Ophir”), *J.A. Lörzing 5985* (syn BO), North Sumatra, Sibayak.

Distribution — Sumatra.

Hornstedtia reticulata (K. Schum.) K. Schum. — (A)

Hornstedtia reticulata (K. Schum.) K. Schum., Pflanzenr. IV, 46 (1904) 193. — Basionym: *Amomum reticulatum* K. Schum., Bot. Jahrb. Syst. 27 (1899) 303. — Type: O. Beccari 32 (holo FI!), Kuching.

Distribution — Sarawak, Kalimantan.

Hornstedtia rubra (Blume) Valetton — (A)

Hornstedtia rubra (Blume) Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 177. — Basionym: *Donacodes rubra* Blume, Enum. pl. Javae (1827) 54. — *Alpinia rubra* (Blume) D. Dietr., Syn. pl. 1 (1839) 12. — *Cardamomum rubrum* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 687. — *Amomum rubrum* (Blume) K. Schum., Bot. Jahrb. Syst. 27 (1899) 317. — Type: *H. Kuhl & J.C. van Hasselt s.n.* (holo L!), Hariang.

Amomum harmsii K. Schum., Pflanzenr. IV, 46 (1904) 256. — Type: O. Beccari 785 (holo FI!), West Sumatra, Ayer Mancior.

Amomum longibractea K. Schum., Pflanzenr. IV, 46 (1904) 248. — Type: O. Beccari 658 (holo FI!), West Sumatra, Ayer Mancior.

Distribution — Sumatra, Java.

Hornstedtia rumphii Valetton — (P)

Hornstedtia rumphii Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 170. — Type: *C.B. Robinson 144* (syn BO), Ambon, *J.E. Teijsmann 10944* (syn BO), Kalimantan, Bt. Limpai.

Distribution — Kalimantan, Moluccas.

Hornstedtia sanguinea Ridl. = *Etingera sanguinea* (Ridl.) R.M. Sm.

Hornstedtia sarawacensis (K. Schum.) K. Schum. = *Hornstedtia conica* Ridl.

Hornstedtia scottiana (F. Muell.) K. Schum. — (A)

Hornstedtia scottiana (F. Muell.) K. Schum., Pflanzenr. IV, 46 (1904) 194. — Basionym: *Elettaria scottiana* F. Muell. — Lectotype: *J. Dallachy s.n.* (MEL, designated by Smith, 1987b), Queensland.

Amomum lycostomum Lauterb. & K. Schum. ex K. Schum., nom. nud., Bot. Jahrb. Syst. 27 (1899) 305. — *Hornstedtia lycostoma* Lauterb. & K. Schum., Fl. Schutzgeb. Südsee (1900) 228. — Type: *C.A.G. Lauterbach 2495, 2542* (syn B), Papua New Guinea.

Distribution — Moluccas, Papua New Guinea.

Hornstedtia scyphifera (J. König) Steud. — (A)

Hornstedtia scyphifera (J. König) Steud., Nomencl. bot. 2 (1840) 776. — Basionym: *Amomum scyphiferum* J. König, Observ. bot. 3 (1783) 68. — *Greenwaya scyphifera* (J. König) Giseke, Prael. ord. nat. pl. (1792) 245. — Type: *J.G. König s.n.* (holo C!), Peninsular Malaysia.
Hornstedtia scyphus Retz., Observ. bot. 6 (1791) 18, nom. illeg. (= *Amomum scyphiferum* J. König)
Stenochasma urceolare Griff., Not. pl. asiat. 3 (1851) 431. — Type: Material not located.

Distribution — Sumatra, Peninsular Malaysia, Sarawak.

Hornstedtia scyphifera var. **fusififormis** Holttum — (A)

Hornstedtia scyphifera var. *fusififormis* Holttum, Gard. Bull. Singapore 13 (1950) 171. — Type: *E.J.H. Corner SFN 30236* (holo SING!), Kemaman.

Distribution — Peninsular Malaysia.

Hornstedtia scyphifera var. **grandis** (Ridl.) Holttum — (A)

Hornstedtia scyphifera var. *grandis* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 172. — Basionym: *Hornstedtia grandis* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 141. — Type: *H.N. Ridley s.n. (June 1893)* (holo K), Peninsular Malaysia.

Distribution — Peninsular Malaysia.

Hornstedtia scyphus Retz. = *Hornstedtia scyphifera* (J. König) Steud.

Hornstedtia sorsogonensis Elmer = *Etilingera sorsogonensis* (Elmer) A.D. Poulsen

Hornstedtia spathulata Ridl. = *Etilingera metriocheilos* (Griff.) R.M. Sm.

Hornstedtia sphaerocephala (Baker) K. Schum. = *Etilingera metriocheilos* (Griff.) R.M. Sm.

Hornstedtia striolata Ridl. — (A)

Hornstedtia striolata Ridl., Mat. fl. Malay. Penins. 2 (1907) 36. — Type: *H.N. Ridley 12105* (holo K, iso SING!), Selangor.

Distribution — Peninsular Malaysia.

Hornstedtia subviridis Elmer — (P)

Hornstedtia subviridis Elmer, Leaf. Philipp. Bot. 8 (1919) 2987. — Type: A.D.E. Elmer 16437 (iso C!, FI!, G!, GH!, L!, MICH, U!), Sorsogon, Mt. Bulusan, Irosin.

Distribution — Philippines.

Hornstedtia tomentosa (Blume) Bakh. f. — (A)

Hornstedtia tomentosa (Blume) Bakh. f., Bekn. fl. Java 18 (1958) 41. — Basionym: *Donacodes tomentosa* Blume, Enum. pl. Javae (1827) 55. — *Alpinia tomentosa* (Blume) D. Dietr., Syn. pl. 1 (1839) 12. — *Cardamomum tomentosum* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 687. — Type: *C.L. von Blume s.n.* (holo L!), Java.

Donacodes villosa Teijsm. & Binn., Ned. Kruidk. Arch. 3 (1855) 392. — *Hornstedtia villosa* (Teijsm. & Binn.) Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 58. — *Amomum platyandrum* Gagnep., Bull. Soc. Bot. France 51 (1905) 451. — Type: *Anon. s.n. (HB XI B 27)* (holo BO), Bogor.

Distribution — Sarawak, Java.

Hornstedtia triloba Ridl. — (P)

Hornstedtia triloba Ridl., Bot. Jahrb. Syst. 44 (1910) 531. — Type: *H.J.P. Winkler 3183* (holo WRS�).

Distribution — Kalimantan.

Hornstedtia triorgyalis (Baker) Ridl. = *Etingera triorgyalis* (Baker) R.M. Sm.

Hornstedtia velutina Ridl. = *Etingera velutina* (Ridl.) R.M. Sm.

Hornstedtia venusta Ridl. = *Etingera venusta* (Ridl.) R.M. Sm.

Hornstedtia villosa (Teijsm. & Binn.) Valetton = *Hornstedtia tomentosa* (Blume) Bakh. f.

Hornstedtia walang (Blume) Koord.-Schum. = *Etingera walang* (Blume) R.M. Sm.

Hornstedtia winkleri Ridl. — (P)

Hornstedtia winkleri Ridl., Bot. Jahrb. Syst. 44 (1910) 530. — Type: *H.J.P. Winkler 3175* (holo WRS�!).

Distribution — Kalimantan.

Hura J. König = *Globba* L.

Hura siamensium J. König = *Globba pendula* Roxb.

Kaempferia L. — (A)

Kaempferia L., Sp. pl. 1 (1753) 2. — Type species: *Kaempferia galanga* L.

Monolophus Wall. ex Endl., Gen. pl. (1837) 225. — Type species: *Monolophus elegans* (Wall.) Horan.

Hitcheniopsis (Baker) Ridl., Fl. Malay Penins. 4 (1924) 252. — Type species: Not designated.

Revision status — **B**: Kam (1980), Smith (1987).

Distribution — Sumatra, Peninsular Malaysia, Borneo, Philippines.

Kaempferia angustifolia Roscoe — (P)

Kaempferia angustifolia Roscoe, Trans. Linn. Soc. London 8 (1807) 351. — Type: Material not located.

Distribution — Sumatra.

Kaempferia atrovirens N.E. Br. = *Kaempferia elegans* Wall.

Kaempferia biloba (Ridl.) K. Schum. = *Scaphochlamys biloba* (Ridl.) Holttum

Kaempferia calophylla (Ridl.) K. Schum. = *Scaphochlamys biloba* (Ridl.) Holttum

Kaempferia concinna Baker = *Scaphochlamys concinna* (Baker) Holttum

Kaempferia cumingii K. Schum. = *Scaphochlamys malaccana* Baker

Kaempferia cyanescens (Ridl.) Ridl. = *Haniffia cyanescens* (Ridl.) Holttum

Kaempferia decus-sylvae Hallier f. = *Haplochorema decus-sylvae* (Hallier f.) Valtou

***Kaempferia elegans* Wall. — (A)**

Kaempferia elegans Wall., Pl. asiat. rar. 1 (1829) 24, t. 27. — *Monolophus elegans* (Wall.) Horan., Prodr. Monogr. Scitam. (1862) 22. — Type: *N. Wallich 6593* (holo K), Burma, Tenasserim Division.

Kaempferia atrovirens N.E. Br., Ill. hort. 33 (1886) 143, pl.610. — Type: *N.E. Brown s.n.* (28 June 1886) (holo K), Borneo.

Kaempferia pulchra Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 107. — Lectotype: *C. Curtis 2605* (SING!, designated by Turner, 2000), Pulau Langkawi.

Distribution — Peninsular Malaysia, Borneo.

***Kaempferia galanga* L. — (A)**

Kaempferia galanga L., Sp. pl. 1 (1753) 2. — Type: *Cat.Linn.herb. 8/1* (holo LINN).

Alpinia sessilis J. König, Observ. bot. 3 (1783) 64. — Type: Material not located.

Distribution — Thailand, Peninsular Malaysia, Philippines.

Kaempferia lancifolia (Ridl.) K. Schum. = *Scaphochlamys malaccana* Baker

Kaempferia longipes (Ridl.) K. Schum. = *Boesenbergia longipes* (Ridl.) Schltr.

***Kaempferia lutea* C.H. Wright — (P)**

Kaempferia lutea C.H. Wright, Bull. Misc. Inform. (1907) 60. — Type: *H.N. Ridley s.n.*

Distribution — Peninsular Malaysia.

Kaempferia malaccana (Baker) K. Schum. = *Scaphochlamys malaccana* Baker

***Kaempferia minor* (Baker) K. Schum. — (P)**, see *Gastrochilus minor* Baker

Kaempferia oligosperma K. Schum. = *Boesenbergia oligosperma* (K. Schum.) R.M. Sm.

Kaempferia ornata N.E. Br. = *Boesenbergia ornata* (N.E. Br.) R.M. Sm.

Kaempferia parvula King ex Baker = *Camptandra parvula* (King ex Baker) Ridl.

***Kaempferia philippinensis* Merr. — (P)**

Kaempferia philippinensis Merr., Philipp. J. Sci., C 10(5) (1915) 296. — Type: *M. Ramos 14952*, Laguna.

Distribution — Philippines.

Kaempferia prainiana Baker = *Boesenbergia prainiana* (Baker) Schltr.

Kaempferia pulchra Ridl. = *Kaempferia elegans* Wall.

Kaempferia vittata N.E. Br. — (P)

Kaempferia vittata N.E. Br., Gard. Chron. new series 18 (1882) 264. — Type: *C. Curtis s.n.*

Distribution — Sumatra.

Kolowratia C. Presl = *Alpinia* Roxb., nom. cons.

Kolowratia albipurpurea P. Royen = *Alpinia albipurpurea* (P. Royen) R.M. Sm.

Kolowratia congesta (Elmer) Merr. = *Alpinia congesta* Elmer

Kolowratia elegans C. Presl = *Alpinia elegans* (C. Presl) K. Schum.

Kolowratia erucaeformis Ridl. — (P)

Kolowratia erucaeformis Ridl., Philipp. J. Sci., C 4 (1909) 182. — Type: *E.D. Merrill 5258* (holo US, iso E!), Bucas Island.

Distribution — Philippines.

Kolowratia velutina P. Royen = *Alpinia velveta* R.M. Sm., nom. nov.

Languas Small = *Alpinia* Roxb., nom. cons.

Languas allughas (Retz.) Burkill = *Alpinia nigra* (Gaertn.) B.L. Burt

Languas angustifolia (K. Schum.) Merr. = *Alpinia glabra* Ridl.

Languas apoensis (Elmer) Merr. = *Alpinia apoensis* Elmer

Languas borneensis (Valeton ex Gagnep.) Merr. = *Alpinia nieuwenhuizii* Valeton

Languas brachyantha (Merr.) Merr. = *Alpinia brachyantha* Merr.

Languas brachypoda (K. Schum.) Merr. = *Plagiostachys strobilifera* (Baker) Ridl.

Languas brevilabris (C. Presl) Merr. = *Alpinia brevilabris* C. Presl

Languas cannifolia (Ridl.) Burkill = *Alpinia vitellina* var. *cannifolia* (Ridl.) I.M. Turner

Languas capitellata (Jack) Merr. = *Alpinia capitellata* Jack

Languas conchigera (Griff.) Burkill = *Alpinia conchigera* Griff.

Languas copelandii (Ridl.) Merr. = *Alpinia copelandii* Ridl.

Languas cornucervi (Ridl.) Merr. = *Alpinia aquatica* (Retz.) Roscoe

Languas crocydocalyx (K. Schum.) Merr. = *Plagiostachys crocydocalyx* (K. Schum.) B.L. Burt & R.M. Sm.

Languas cumingii (K. Schum.) Merr. = *Alpinia cumingii* K. Schum.

Languas cylindrostachys (K. Schum.) Merr. = *Amomum coriaceum* R.M. Sm., nom. nov.

- Languas diversifolia* (Elmer) Merr. = *Alpinia diversifolia* (Elmer) Elmer
Languas elegans (C. Presl) Burkill = *Alpinia elegans* (C. Presl) K. Schum.
Languas exostylis (K. Schum.) Merr. = *Alpinia aquatica* (Retz.) Roscoe
Languas flabellata (Ridl.) Merr. = *Alpinia flabellata* Ridl.
Languas flava (Ridl.) Merr. = *Alpinia nieuwenhuizii* Valetton
Languas flexistamen (K. Schum.) Merr. = *Alpinia glabra* Ridl.
Languas foxworthyi (Ridl.) Merr. = *Alpinia foxworthyi* Ridl.
Languas fraseriana (Oliv.) Merr. = *Alpinia aquatica* (Retz.) Roscoe
Languas galanga (L.) Stuntz = *Alpinia galanga* (L.) Willd.
Languas glabra (Ridl.) Merr. = *Alpinia glabra* Ridl.
Languas glabrescens (Ridl.) Merr. = *Alpinia glabrescens* Ridl.
Languas graminea (Ridl.) Merr. = *Alpinia graminea* Ridl.
Languas grandiceps (Ridl.) Merr. = *Alpinia capitellata* Jack
Languas haenkei (C. Presl) Merr. = *Alpinia haenkei* C. Presl
Languas havilandii (K. Schum.) Merr. = *Alpinia havilandii* K. Schum.
Languas hookeriana (Valeton) Merr. = *Alpinia latilabris* Ridl.
Languas illustris (Ridl.) Merr. = *Alpinia illustris* Ridl.
Languas javanica (Blume) Burkill = *Alpinia javanica* Blume
Languas korthalsii (K. Schum.) Merr. = *Alpinia mutica* Roxb.
Languas laxiflora (Gagnep.) Merr. = *Alpinia mutica* Roxb.
Languas ligulata (K. Schum.) Merr. = *Alpinia ligulata* K. Schum.
Languas longilora (Ridl.) Merr. = *Burbidgea longilora* (Ridl.) R.M. Sm.
Languas longipetiolata (Elmer) Merr. = *Alpinia elmeri* R.M. Sm., nom. nov.
Languas macroscaphis (K. Schum.) Merr. = *Alpinia macroscaphis* K. Schum.
Languas malaccensis (Burm. f.) Merr. = *Alpinia malaccensis* (Burm. f.) Roscoe
Languas melanocarpa (Teijsm. & Binn.) Burkill = *Alpinia aquatica* (Retz.) Roscoe
Languas microlophon (Ridl.) Merr. = *Alpinia microlophon* Ridl.
Languas mollis (C. Presl) Merr. = *Alpinia mollis* C. Presl
Languas musaefolia (Ridl.) Merr. = *Alpinia musaefolia* Ridl.

Languas mutica (Roxb.) Merr. = *Alpinia mutica* Roxb.

Languas padacanca (Valeton ex K. Heyne) Burkill = *Alpinia padacanca* Valeton ex K. Heyne

Languas pahangensis (Ridl.) M.R. Hend. = *Alpinia pahangensis* Ridl.

Languas penduliflora (Ridl.) Merr. = *Alpinia penduliflora* Ridl.

Languas pinatubensis Elmer — (K)

Languas pinatubensis Elmer, Leaf. Philipp. Bot. 9 (1934) 3225. — Type: A.D.E. Elmer 22058 (iso BO!, C!, GH!, MICH), Pampanga, Mt. Pinatubo.

Distribution — Philippines.

Languas polycarpa (K. Schum.) Merr. = *Amomum dimorphum* M.F. Newman, nom. nov.

Languas ptychanthera (K. Schum.) Merr. = *Alpinia ptychanthera* K. Schum.

Languas pubiflora (Benth.) Merr. = *Alpinia pubiflora* (Benth.) K. Schum.

Languas pulchella (K. Schum.) Merr. = *Alpinia pulchella* (K. Schum.) K. Schum.

Languas purpurata (Vieill.) Kaneh. = *Alpinia purpurata* (Vieill.) K. Schum.

Languas pyramidata (Blume) Merr. = *Alpinia galanga* (L.) Willd.

Languas rafflesiana (Wall. ex Baker) Burkill = *Alpinia rafflesiana* Wall. ex Baker

Languas reticosa (Ridl.) Merr. = *Alpinia ligulata* K. Schum.

Languas romblonensis (Elmer) Merr. = *Alpinia romblonensis* Elmer

Languas rosea (Elmer) Merr. = *Alpinia rosea* Elmer

Languas rubella (Ridl.) Merr. = *Alpinia aquatica* (Retz.) Roscoe

Languas rufa (C. Presl) Merr. = *Alpinia rufa* (C. Presl) K. Schum.

Languas scabra (Blume) Burkill = *Alpinia scabra* (Blume) Náves

Languas scorpoidea Quisumb. & Merr. — (K)

Languas scorpoidea Quisumb. & Merr., Philipp. J. Sci. 37 (1928) 139. — Type: M. Ramos & G. Edaña 48947, Mindanao, Davao, Mati.

Distribution — Philippines.

Languas sericea (Ridl.) Merr. = *Alpinia latilabris* Ridl.

Languas sibuyanensis (Elmer) Merr. = *Alpinia sibuyanensis* Elmer

Languas subfuscarpa (Elmer) Merr. = *Alpinia subfuscarpa* Elmer

Languas sumatrana (Miq.) Merr. = *Alpinia sumatrana* (Miq.) K. Schum.

Languas trachyascus (K. Schum.) Merr. = *Alpinia trachyascus* K. Schum.

Languas uviformis (L.) Burkill = *Plagiostachys uviformis* (L.) Loes.

Languas vanoverberghii (Merr.) Merr. = *Alpinia vanoverberghii* Merr.

Languas vitellina (Lindl.) Alston = *Alpinia vitellina* (Lindl.) Ridl.

Languas vulcanica (Elmer) Merr. = *Alpinia vulcanica* Elmer

Languas wenzelii (Merr.) Merr. = *Alpinia wenzelii* Merr.

Leptosolena C. Presl — (A)

Leptosolena C. Presl, Reliq. haenk. 1(2) (1827) 111. — Type species: *Leptosolena haenkei* C. Presl.

Revision status — C.

Distribution — Philippines.

Leptosolena auriculata Elmer, nom. nud. = *Leptosolena haenkei* C. Presl

Leptosolena haenkei C. Presl — (A)

Leptosolena haenkei C. Presl, Reliq. haenk. 1(2) (1827) 111. — *Alpinia leptosolena* K. Schum., Pflanzenr. IV, 46 (1904) 312. — Type: *T. Haenke s.n.* (syn PR!, PRC!).

Leptosolena auriculata Elmer, nom. nud., Leaf. Philipp. Bot. 10 (1939) 3808.

Distribution — Philippines.

Leptosolena insignis Ridl. — (P)

Leptosolena insignis Ridl., Publ. Bur. Sci. Gov. Lab. (1905) 84. — Type: *A.D.E. Elmer 6428* (holo K, iso P!, SING!), Benguet.

Distribution — Philippines.

Manitia Giseke = *Globba* L.

Manitia aurea Giseke, nom. illeg. = *Globba pendula* Roxb.

Maranta L. = *Alpinia* Roxb., nom. cons., quoad *Maranta galanga* L.

Maranta galanga L. = *Alpinia galanga* (L.) Willd.

Maranta malaccensis Burm. f. = *Alpinia malaccensis* (Burm. f.) Roscoe

Monolophus Wall. ex Endl. = *Kaempferia* L.

Monolophus elegans (Wall.) Horan. = *Kaempferia elegans* Wall.

Nanochilus K. Schum. — (A)

Nanochilus K. Schum., Bot. Jahrb. Syst. 27 (1899) 341. — Type species: *Nanochilus palembanicus* (Miq.) K. Schum.

Revision status — C.

Distribution — Sumatra, Moluccas.

Nanochilus arrovicus Gagnep. — (P)

Nanochilus arrovicus Gagnep., Bull. Soc. Bot. France 48 (1901) LXXXI. — Type: *E.J.F Le Guillou s.n. (1841)*.

Distribution — Moluccas.

Nanochilus palembanicus (Miq.) K. Schum. — (A)

Nanochilus palembanicus (Miq.) K. Schum., Bot. Jahrb. Syst. 27 (1899) 341. — Basionym: *Hedy-chium palembanicum* Miq., Ann. mus. lugd.-bat. 4 (1869) 101. — Type: *J.E. Teijsmann s.n., South Sumatra, near Muaradua*.

Distribution — Sumatra.

Nicolaia Horan. = *Etlingera* Giseke

Nicolaia anthodioides (Teijsm. & Binn.) Valetton = *Etlingera hemisphaerica* (Blume) R.M. Sm.

Nicolaia atropurpurea (Teijsm. & Binn.) Valetton = *Etlingera hemisphaerica* (Blume) R.M. Sm.

Nicolaia diepenhorstii (Teijsm. & Binn.) Valetton = *Etlingera diepenhorstii* (Teijsm. & Binn.) R.M. Sm.

Nicolaia elatior (Jack) Horan. = *Etlingera elatior* (Jack) R.M. Sm.

Nicolaia fulgens (Ridl.) K. Larsen = *Etlingera fulgens* (Ridl.) C.K. Lim

Nicolaia gracilis Valetton = *Etlingera gracilis* (Valetton) R.M. Sm.

Nicolaia grandiligulata (K. Schum.) Valetton = *Etlingera grandiligulata* (K. Schum.) R.M. Sm.

Nicolaia hemisphaerica (Blume) Horan. = *Etlingera hemisphaerica* (Blume) R.M. Sm.

Nicolaia heyniana Valetton = *Etlingera heyniana* (Valetton) R.M. Sm.

Nicolaia imperialis Horan. = *Etlingera elatior* (Jack) R.M. Sm.

Nicolaia intermedia Valetton = *Etlingera elatior* (Jack) R.M. Sm.

Nicolaia loerzingii Valetton = *Etlingera loerzingii* (Valetton) R.M. Sm.

Nicolaia magnifica (Roscoe) K. Schum. ex Valetton = *Etlingera elatior* (Jack) R.M. Sm.

Nicolaia maingayi (Baker) K. Larsen = *Etlingera maingayi* (Baker) R.M. Sm.

Nicolaia novo-guineensis (K. Schum.) Valetton — (P), see *Phaeomeria novo-guineensis* K. Schum.

Nicolaia pallida (Blume) Horan. = *Etilingera solaris* (Blume) R.M. Sm.

Nicolaia peekelii Valetton = *Etilingera peekelii* (Valetton) R.M. Sm.

Nicolaia pyramidosphaera (K. Schum.) B.L. Burt & R.M. Sm. = *Etilingera pyramidosphaera* (K. Schum.) R.M. Sm.

Nicolaia rostrata Valetton = *Etilingera hemisphaerica* (Blume) R.M. Sm.

Nicolaia rostrata var. *talangensis* Valetton = *Etilingera hemisphaerica* (Blume) R.M. Sm.

Nicolaia sanguinea Valetton = *Etilingera hemisphaerica* (Blume) R.M. Sm.

Nicolaia sericea Ridl. = *Etilingera sericea* (Ridl.) R.M. Sm.

Nicolaia solaris (Blume) Horan. = *Etilingera solaris* (Blume) R.M. Sm.

***Nicolaia solaris* var. *aurantiaca* Valetton — (P)**

Nicolaia solaris var. *aurantiaca* Valetton, Bull. Jard. Bot. Buitenzorg ser. 3, 3 (1921) 137. — Type: *K. Heyne s.n. (HB XI B V 82)* (syn BO), *C.A. Backer 9350* (syn BO!).

Distribution — Java.

Nicolaia speciosa (Blume) Horan. = *Etilingera elatior* (Jack) R.M. Sm.

Nicolaia subulicalyx Valetton = *Etilingera subulicalyx* (Valetton) R.M. Sm.

Nicolaia venusta (Ridl.) K. Larsen = *Etilingera venusta* (Ridl.) R.M. Sm.

Odontochium K. Schum. = *Alpinia* Subgen. *Alpinia* Roxb. Sect. *Allughas* K. Schum. Subsect. *Odontochium* (K. Schum.) R.M. Sm.

Odontochium denticulatum (Ridl.) K. Schum. = *Alpinia denticulata* (Ridl.) Holttum

Phaeomeria (Ridl.) K. Schum. = *Etilingera* Giseke

Phaeomeria anthodioides (Teijsm. & Binn.) Koord. = *Etilingera hemisphaerica* (Blume) R.M. Sm.

***Phaeomeria anthokophinos* Gilli — (P)**

Phaeomeria anthokophinos Gilli, Ann. Naturhist. Mus. Wien, B 84 ("1980") (1983) 44. — Type: *A. Gilli 519* (holo W), Western Highlands, forest near Par.

Distribution — Papua New Guinea.

Phaeomeria atropurpurea (Teijsm. & Binn.) K. Schum. = *Etilingera hemisphaerica* (Blume) R.M. Sm.

Phaeomeria caudiculata Ridl. = *Etilingera caudiculata* (Ridl.) R.M. Sm.

Phaeomeria chrysocalyx (K. Schum.) K. Schum. = *Etilingera solaris* (Blume) R.M. Sm.

Phaeomeria diepenhorstii (Teijsm. & Binn.) K. Schum. = *Etlingera diepenhorstii* (Teijsm. & Binn.) R.M. Sm.

Phaeomeria fulgens (Ridl.) K. Schum. = *Etlingera fulgens* (Ridl.) C.K. Lim

Phaeomeria grandiligulata (K. Schum.) K. Schum. = *Etlingera grandiligulata* (K. Schum.) R.M. Sm.

Phaeomeria hemisphaerica (Blume) K. Schum. = *Etlingera hemisphaerica* (Blume) R.M. Sm.

Phaeomeria heyniana (Valeton) Burkill = *Etlingera heyniana* (Valeton) R.M. Sm.

Phaeomeria magnifica (Roscoe) K. Schum. = *Etlingera elatior* (Jack) R.M. Sm.

Phaeomeria maingayi (Baker) K. Schum. = *Etlingera maingayi* (Baker) R.M. Sm.

Phaeomeria maingayi var. *longibracteata* Holttum = *Etlingera maingayi* var. *longibracteata* (Holttum) I.M. Turner

Phaeomeria minor Ridl. = *Etlingera minor* (Ridl.) R.M. Sm.

Phaeomeria moluccana K. Schum. = *Etlingera moluccana* (K. Schum.) R.M. Sm.

***Phaeomeria novo-guineensis* K. Schum. — (P)**

Phaeomeria novo-guineensis K. Schum., Pflanzenr. IV, 46 (1904) 265. — Combination: *Nicolaia novo-guineensis* (K. Schum.) Valeton, Nova Guinea 8 (1913) 936. — Type: A. Zippelius 224B (L!).

Distribution — West Papua.

Phaeomeria pallida (Blume) K. Schum. = *Etlingera solaris* (Blume) R.M. Sm.

Phaeomeria peekelii (Valeton) Loes. = *Etlingera peekelii* (Valeton) R.M. Sm.

Phaeomeria pyramidosphaera (K. Schum.) K. Schum. = *Etlingera pyramidosphaera* (K. Schum.) R.M. Sm.

Phaeomeria rostrata (Valeton) Loes. = *Etlingera hemisphaerica* (Blume) R.M. Sm.

Phaeomeria sanguinea (Valeton) Koord. = *Etlingera hemisphaerica* (Blume) R.M. Sm.

Phaeomeria solaris (Blume) K. Schum. = *Etlingera solaris* (Blume) R.M. Sm.

Phaeomeria speciosa (Blume) Koord. = *Etlingera elatior* (Jack) R.M. Sm.

Phaeomeria venusta (Ridl.) K. Schum. = *Etlingera venusta* (Ridl.) R.M. Sm.

***Plagiostachys* Ridl. — (A)**

Plagiostachys Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 151. — Type species: *Plagiostachys lateralis* (Ridl.) Ridl.

Cardamomum Kuntze, Revis. gen. pl. 2 (1891) 685, p.p. — Type species: Not designated.

Revision status — **B**: Smith (1985).

Distribution — Sumatra, Peninsular Malaysia, Sarawak, Brunei, Sabah, Kalimantan, Philippines, Moluccas.

Plagiostachys albiflora Ridl. — (**A**)

Plagiostachys albiflora Ridl., J. Straits Branch Roy. Asiat. Soc. 50 (1908) 150. — Lectotype: *H.N. Ridley 13336* (SING!, designated by Holttum, 1950, isolecto K), Johore.

Distribution — Peninsular Malaysia, Sarawak.

Plagiostachys borneensis Ridl. = *Plagiostachys strobilifera* (Baker) Ridl.

Plagiostachys brachypoda (K. Schum.) Loes. = *Plagiostachys strobilifera* (Baker) Ridl.

Plagiostachys bracteolata R.M. Sm. — (**A**)

Plagiostachys bracteolata R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 42 (1985) 270. — Type: *G.C.G. Argent & A. Lamb 1529* (holo E!), Gunung Lumarku.

Distribution — Sabah.

Plagiostachys breviramosa Cowley — (**A**)

Plagiostachys breviramosa Cowley, Kew Bull. 54(1) (1999) 142. — Type: *E.J. Cowley 42* (holo K, iso BRUN), Batu Apoi Forest Reserve.

Distribution — Brunei, Sabah, Kalimantan.

Plagiostachys corrugata Elmer — (**P**)

Plagiostachys corrugata Elmer, Leafl. Philipp. Bot. 8 (1915) 2908. — Type: *A.D.E. Elmer 11130* (iso G!), Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Plagiostachys crocydocalyx (K. Schum.) B.L. Burtt & R.M. Sm. — (**A**)

Plagiostachys crocydocalyx (K. Schum.) B.L. Burtt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 315. — Basionym: *Alpinia crocydocalyx* K. Schum., Bot. Jahrb. Syst. 27 (1899) 281. — *Languas crocydocalyx* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — Type: *O. Beccari 718* (syn FI!), 1st Division, Siul, near Kuching, 3477 (syn FI!, K), Batang Lupar, Marop.

Distribution — Sarawak.

Plagiostachys elegans Ridl. — (**P**)

Plagiostachys elegans Ridl., Philipp. J. Sci., C 4 (1909) 178. — Type: *M.S. Clemens s.n.* (July 1907) (holo K), Mindanao.

Distribution — Philippines.

Plagiostachys escritorii Elmer — (**P**)

Plagiostachys escritorii Elmer, Leafl. Philipp. Bot. 8 (1915) 2910. — Type: *A.D.E. Elmer 10516* (syn G!, GH!, L!), Davao del Sur, Mt. Apo, Todaya, 10544 (syn FI!, G!, GH!, L!, P!, U!), Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Plagiostachys glandulosum S. Sakai & Nagam. — (A)

Plagiostachys glandulosum S. Sakai & Nagam., Edinburgh J. Bot. 60 (2003) 204. — Type: *S. Sakai* 703 (holo KYO, iso SAR), Lambir Hills National Park.

Distribution — Sarawak.

Plagiostachys lata Elmer — (P)

Plagiostachys lata Elmer, Leafl. Philipp. Bot. 10 (1939) 3805. — Type: *A.D.E. Elmer 17618* (syn FI!, G!, GH!, L!, P!, U!), Luzon, Laguna, Mt. Makiling, 18234 (syn FI!, G!, GH!, L!, P!, U!), Luzon, Laguna, Mt. Makiling.

Distribution — Philippines.

Plagiostachys lateralis (Ridl.) Ridl. — (A)

Plagiostachys lateralis (Ridl.) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 152. — Basionym: *Amomum laterale* Ridl., Trans. Linn. Soc. London, Bot. 3 (1893) 381. — Lectotype: *H.N. Ridley s.n. (August 1891)* (K, designated by Holttum, 1950), Pahang.

Distribution — Peninsular Malaysia.

Plagiostachys mucida Holttum — (A)

Plagiostachys mucida Holttum, Gard. Bull. Singapore 13 (1950) 162. — Type: *E.J.H. Corner SFN 30271* (holo SING!, iso L!, SAR!), Terengganu.

Distribution — Peninsular Malaysia.

Plagiostachys parva Cowley — (A)

Plagiostachys parva Cowley, Kew Bull. 54 (1999) 140. — Type: *J.H. Beaman 7830* (holo MSC, iso UKMS), Bukit Kipungit.

Distribution — Brunei, Sabah.

Plagiostachys parviflora (C. Presl) Ridl. — (A)

Plagiostachys parviflora (C. Presl) Ridl., Philipp. J. Sci., C 4 (1909) 178. — Basionym: *Amomum parviflorum* C. Presl, Reliq. haenk. 1(2) (1827) 112. — *Cardamomum parviflorum* (C. Presl) Kuntze, Revis. gen. pl. 2 (1891) 687. — Type: *T. Haenke s.n. (PR!)*.

Distribution — Philippines.

Plagiostachys philippinensis Ridl. — (P)

Plagiostachys philippinensis Ridl., Leafl. Philipp. Bot. 2 (1909) 572. — Type: *A.D.E. Elmer 7915* (holo K, iso E!, FI!, G!, US), Luzon, Quezon, Lucban.

Distribution — Philippines.

Plagiostachys polycarpa (K. Schum.) Loes. = *Amomum dimorphum* M.F. Newman, nom. nov.

Plagiostachys ridleyi Elmer — (P)

Plagiostachys ridleyi Elmer, Leafl. Philipp. Bot. 8 (1915) 2911. — Type: A.D.E. Elmer 12209 (iso FI!, G!, GH!, L!, P!, U!), Romblon, Mt. Guiting-guiting, Magallanes.

Distribution — Philippines.

Plagiostachys rolfei (K. Schum.) Ridl. — (A)

Plagiostachys rolfei (K. Schum.) Ridl., Philipp. J. Sci., C 4 (1909) 179. — Basionym: *Alpinia rolfei* K. Schum., Pflanzenr. IV, 46 (1904) 368. — Type: *H. Cuming 1327* (iso K, FI!, PNH), Luzon, Albay.

Distribution — Philippines.

Plagiostachys strobilifera (Baker) Ridl. — (A)

Plagiostachys strobilifera (Baker) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 151. — Basionym: *Alpinia strobilifera* Baker, Bull. Misc. Inform. (1898) 225. — Type: *C.V. Creagh s.n.* (holo K), Sabah.

Alpinia brachypoda K. Schum., Bot. Jahrb. Syst. 27 (1899) 298. — *Languas brachypoda* (K. Schum.) Merr., Univ. Calif. Publ. Bot. 15 (1929) 34. — *Plagiostachys brachypoda* (K. Schum.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 628. — Type: *O. Beccari 3636* (holo FI!), Gunung Matang.

Plagiostachys borneensis Ridl., J. Straits Branch Roy. Asiat. Soc. 46 (1906) 242. — Lectotype: *H.N. Ridley 11800* (SING!, designated by Turner, 2000, isolecto K), Gunung Matang.

Distribution — Sarawak, Sabah.

Plagiostachys sumatrensis Ridl. — (P)

Plagiostachys sumatrensis Ridl., Bull. Misc. Inform. (1926) 89. — Type: C.B. Kloss 10584 (holo K, iso SING!), Pulau Siberut.

Distribution — Sumatra.

Plagiostachys uviformis (L.) Loes. — (A)

Plagiostachys uviformis (L.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 628. — Basionym: *Globba uviformis* L., Mant. pl. (1771) 171. — *Alpinia uviformis* (L.) Horan., Prodr. Monogr. Scitam. (1862) 35. — *Languas uviformis* (L.) Burkill, Bull. Misc. Inform. (1935) 318. — Type: *Herb. amboin. 6: 138, t. 59, f. 2* (1750).

Alpinia annabellae Ridl., J. Bot. 63, suppl. (1925) 121. — Type: *H.O. Forbes 3314* (holo BM), Ambon.

Distribution — Moluccas.

Pleuranthodium (K. Schum.) R.M. Sm. — (A)

Pleuranthodium (K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 63. — Basionym: *Alpinia* Sect. *Pleuranthodium* K. Schum., Pflanzenr. IV, 46 (1904) 322. — Type species: *Pleuranthodium tephrochlamys* (Lauterb. & K. Schum.) R.M. Sm.

Revision status — B: Smith (1991).

Distribution — West Papua, Papua New Guinea, Bismarck Archipelago.

Pleuranthodium biligulatum (Valeton) R.M. Sm. — (A)

Pleuranthodium biligulatum (Valeton) R.M. Sm., Edinburgh J. Bot. 48 (1991) 64. — Basionym: *Alpinia biligulata* Valeton, Nova Guinea 8 (1913) 939. — *Psychanthus biligulatus* (Valeton) R.M.

Sm., Edinburgh J. Bot. 47 (1990) 81. — Type: *L.S.A.M. von Römer 643* (syn BO!), *G.M. Versteeg 1411* (syn BO!, L!).

Distribution — West Papua.

Pleuranthodium branderhorstii (Valeton) R.M. Sm. — (A)

Pleuranthodium branderhorstii (Valeton) R.M. Sm., Edinburgh J. Bot. 48 (1991) 64. — Basionym: *Alpinia branderhorstii* Valeton, Nova Guinea 8 (1913) 941. — *Psychanthus branderhorstii* (Valeton) R.M. Sm., Edinburgh J. Bot. 47 (1990) 81. — Type: *B. Branderhorst 412* (holo BO!, iso L!).

Distribution — West Papua.

Pleuranthodium comptum (K. Schum.) R.M. Sm. — (A)

Pleuranthodium comptum (K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 66. — Basionym: *Alpinia compta* K. Schum., Bot. Jahrb. Syst. 27 (1899) 277. — *Psychanthus comptus* (K. Schum.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 79. — Type: *U.M. Hollrung 195a*.

Distribution — Papua New Guinea.

Pleuranthodium floccosum (Valeton) R.M. Sm. — (A)

Pleuranthodium floccosum (Valeton) R.M. Sm., Edinburgh J. Bot. 48 (1991) 64. — Basionym: *Alpinia floccosa* Valeton, Nova Guinea 8 (1913) 940. — *Psychanthus floccosus* (Valeton) R.M. Sm., Edinburgh J. Bot. 47 (1990) 81. — Type: *L.S.A.M. von Römer 690* (syn BO), *F.R.R. Schlechter 17326* (syn BO).

Distribution — West Papua, Papua New Guinea.

Pleuranthodium floribundum (K. Schum.) R.M. Sm. — (A)

Pleuranthodium floribundum (K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 66. — Basionym: *Alpinia floribunda* K. Schum., Pflanzenr. IV, 46 (1904) 439. — *Psychanthus floribundus* (K. Schum.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 80. — Type: *F.R.R. Schlechter 14291*.

Distribution — Papua New Guinea.

Pleuranthodium gjellerupii (Valeton) R.M. Sm. — (A)

Pleuranthodium gjellerupii (Valeton) R.M. Sm., Edinburgh J. Bot. 48 (1991) 66. — Basionym: *Alpinia gjellerupii* Valeton, Nova Guinea 8 (1913) 938. — *Psychanthus gjellerupii* (Valeton) R.M. Sm., Edinburgh J. Bot. 47 (1990) 80. — Type: *K. Gjellerup 115* (iso L!).

Distribution — West Papua.

Pleuranthodium hellwigii (K. Schum.) R.M. Sm. — (A)

Pleuranthodium hellwigii (K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 66. — Basionym: *Alpinia hellwigii* K. Schum., Pflanzenr. IV, 46 (1904) 320. — *Psychanthus hellwigii* (K. Schum.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 80. — Type: *F.C. Hellwig 416*.

Distribution — Papua New Guinea.

Pleuranthodium iboense (Valeton) R.M. Sm. — (A)

Pleuranthodium iboense (Valeton) R.M. Sm., Edinburgh J. Bot. 48 (1991) 66. — Basionym: *Alpinia iboensis* Valeton, Bot. Jahrb. Syst. 52 (1914) 60. — *Psychanthus iboense* (Valeton) R.M. Sm., Edinburgh J. Bot. 47 (1990) 80. — Type: *F.R.R. Schlechter 17081* (iso P!), Madang, Mt. Ibo.

Distribution — Papua New Guinea.

Pleuranthodium macropycnanthum (Valeton) R.M. Sm. — (A)

Pleuranthodium macropycnanthum (Valeton) R.M. Sm., Edinburgh J. Bot. 48 (1991) 64. — Basionym: *Alpinia macropycnantha* Valeton, Nova Guinea 8 (1913) 940. — *Psychanthus macropycnanthus* (Valeton) R.M. Sm., Edinburgh J. Bot. 47 (1990) 81. — Type: *L.S.A.M. von Römer 705* (syn BO), *F.R.R. Schlechter 17839* (syn BO).

Distribution — West Papua, Papua New Guinea.

Pleuranthodium neragaimae (Gilli) R.M. Sm. — (A)

Pleuranthodium neragaimae (Gilli) R.M. Sm., Edinburgh J. Bot. 48 (1991) 64. — Basionym: *Alpinia neragaimae* Gilli, Ann. Naturhist. Mus. Wien, B 84 ("1980") (1983) 43. — *Psychanthus neragaimae* (Gilli) R.M. Sm., Edinburgh J. Bot. 47 (1990) 81. — Type: *A. Gilli 285* (holo W), Chimbu, Nera Gaima.

Distribution — Papua New Guinea.

Pleuranthodium papilionaceum (K. Schum.) R.M. Sm. — (A)

Pleuranthodium papilionaceum (K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 68. — Basionym: *Alpinia papilionacea* K. Schum., Fl. Kais. Wilh. Land (1889) 29. — *Psychanthus papilionaceus* (K. Schum.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 80. — Type: *U.M. Holtrung 195*.

Distribution — Papua New Guinea.

Pleuranthodium pedicellatum (Valeton) R.M. Sm. — (A)

Pleuranthodium pedicellatum (Valeton) R.M. Sm., Edinburgh J. Bot. 48 (1991) 68. — Basionym: *Alpinia pedicellata* Valeton, Bot. Jahrb. Syst. 52 (1914) 60. — *Psychanthus pedicellatus* (Valeton) R.M. Sm., Edinburgh J. Bot. 47 (1990) 80. — Type: *F.R.R. Schlechter 16057* (BO), Madang, Bulu.

Distribution — Papua New Guinea.

Pleuranthodium peekelii (Valeton) R.M. Sm. — (A)

Pleuranthodium peekelii (Valeton) R.M. Sm., Edinburgh J. Bot. 48 (1991) 68. — Basionym: *Alpinia peekelii* Valeton, Bot. Jahrb. Syst. 52 (1914) 62. — *Psychanthus peekelii* (Valeton) R.M. Sm., Edinburgh J. Bot. 47 (1990) 80. — Type: *G. Peekel 765* (BO).

Distribution — Bismarck Archipelago.

Pleuranthodium pelecystylum (K. Schum.) R.M. Sm. — (A)

Pleuranthodium pelecystylum (K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 65. — Basionym: *Alpinia pelecystyla* K. Schum., Bot. Jahrb. Syst. 27 (1899) 277. — *Psychanthus pelecystyla* (K. Schum.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 81. — Type: *O. Beccari 784* (holo FI!), Andai.

Distribution — West Papua.

Pleuranthodium piundaundensis (P. Royen) R.M. Sm. — (A)

Pleuranthodium piundaundensis (P. Royen) R.M. Sm., Edinburgh J. Bot. 48 (1991) 65. — Basionym: *Riedelia piundaundensis* P. Royen, The Alpine Flora of New Guinea 2 (1979) 875.

— *Psychanthus piundaundensis* (P. Royen) R.M. Sm., Edinburgh J. Bot. 47 (1990) 81. — Type: *M. van Balgooy 584* (holo L!), Piundaunde.

Distribution — Papua New Guinea.

Pleuranthodium platynema (K. Schum.) R.M. Sm. — (A)

Pleuranthodium platynema (K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 65. — Basionym: *Alpinia platynema* K. Schum., Pflanzenr. IV, 46 (1904) 438. — *Psychanthus platynemus* (K. Schum.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 82. — Type: *F.R.R. Schlechter 14327* (iso BO!), West Sepik, Torricelli Mts.

Distribution — Papua New Guinea.

Pleuranthodium pterocarpum (K. Schum.) R.M. Sm. — (A)

Pleuranthodium pterocarpum (K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 65. — Basionym: *Alpinia pterocarpa* K. Schum., Pflanzenr. IV, 46 (1904) 322. — *Psychanthus pterocarpus* (K. Schum.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 82. — Type: *A. Zippelius s.n.*, West Papua.

Distribution — West Papua, Papua New Guinea.

Pleuranthodium roemeri (Valeton) R.M. Sm. — (A)

Pleuranthodium roemeri (Valeton) R.M. Sm., Edinburgh J. Bot. 48 (1991) 65. — Basionym: *Alpinia roemeri* Valeton, Nova Guinea 8 (1913) 941. — *Psychanthus roemeri* (Valeton) R.M. Sm., Edinburgh J. Bot. 47 (1990) 82. — Type: *L.S.A.M. von Römer 696* (holo BO!), Sg. Lorentz.

Distribution — West Papua.

Pleuranthodium schlechteri (K. Schum.) R.M. Sm. — (A)

Pleuranthodium schlechteri (K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 68. — Basionym: *Alpinia schlechteri* K. Schum., Pflanzenr. IV, 46 (1904) 438. — *Psychanthus schlechteri* (K. Schum.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 80. — Type: *F.R.R. Schlechter 14519*, West Sepik, Torricelli Mts..

Distribution — Papua New Guinea.

Pleuranthodium scyphonema (K. Schum.) R.M. Sm. — (A)

Pleuranthodium scyphonema (K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 68. — Basionym: *Alpinia scyphonema* K. Schum., Pflanzenr. IV, 46 (1904) 438. — *Psychanthus scyphonemus* (K. Schum.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 80. — Type: *F.R.R. Schlechter 14352*, West Sepik, Torricelli Mts.

Distribution — Papua New Guinea.

Pleuranthodium tephrochlamys (Lauterb. & K. Schum.) R.M. Sm. — (A)

Pleuranthodium tephrochlamys (Lauterb. & K. Schum.) R.M. Sm., Edinburgh J. Bot. 48 (1991) 65. — Basionym: *Alpinia tephrochlamys* Lauterb. & K. Schum., Fl. Schutzgeb. Südsee (1900) 226. — *Psychanthus tephrochlamys* (Lauterb. & K. Schum.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 82. — Type: *C.A.G. Lauterbach 1211* (syn B), Madang, Melanua Harbour, 2550 (syn K), Madang, Ramu River.

Alpinia tephrochlamys var. *aspericaulis* Lauterb. & K. Schum., Fl. Schutzgeb. Südsee (1900) 226. — Type: *C.A.G. Lauterbach 589* (holo B), Morobe, Sattelburg.

Distribution — Papua New Guinea.

Pleuranthodium trichocalyx (Valeton) R.M. Sm. — (A)

Pleuranthodium trichocalyx (Valeton) R.M. Sm., Edinburgh J. Bot. 48 (1991) 66. — Basionym: *Alpinia trichocalyx* Valeton, Bot. Jahrb. Syst. 52 (1914) 63. — *Psychanthus trichocalyx* (Valeton) R.M. Sm., Edinburgh J. Bot. 47 (1990) 82. — Type: *F.R.R. Schlechter 16084* (syn BO), Madang, near Bulu, 16218 (syn P!), Madang, Male.

Distribution — Papua New Guinea.

Psychanthus (K. Schum.) Ridl., nom. illeg. = *Pleuranthodium* Sect. *Psychanthus* (K. Schum.) R.M. Sm.

Psychanthus biligulatus (Valeton) R.M. Sm. = *Pleuranthodium biligulatum* (Valeton) R.M. Sm.

Psychanthus branderhorstii (Valeton) R.M. Sm. = *Pleuranthodium branderhorstii* (Valeton) R.M. Sm.

Psychanthus comptus (K. Schum.) R.M. Sm. = *Pleuranthodium comptum* (K. Schum.) R.M. Sm.

Psychanthus floccosus (Valeton) R.M. Sm. = *Pleuranthodium floccosum* (Valeton) R.M. Sm.

Psychanthus floribundus (K. Schum.) R.M. Sm. = *Pleuranthodium floribundum* (K. Schum.) R.M. Sm.

Psychanthus gjellerupii (Valeton) R.M. Sm. = *Pleuranthodium gjellerupii* (Valeton) R.M. Sm.

Psychanthus hellwigii (K. Schum.) R.M. Sm. = *Pleuranthodium hellwigii* (K. Schum.) R.M. Sm.

Psychanthus iboense (Valeton) R.M. Sm. = *Pleuranthodium iboense* (Valeton) R.M. Sm.

Psychanthus inaequalis Ridl. = *Alpinia inaequalis* (Ridl.) Loes.

Psychanthus macropycnanthus (Valeton) R.M. Sm. = *Pleuranthodium macropycnanthum* (Valeton) R.M. Sm.

Psychanthus neragimae (Gilli) R.M. Sm. = *Pleuranthodium neragimae* (Gilli) R.M. Sm.

Psychanthus papilionaceus (K. Schum.) R.M. Sm. = *Pleuranthodium papilionaceum* (K. Schum.) R.M. Sm.

Psychanthus pedicellatus (Valeton) R.M. Sm. = *Pleuranthodium pedicellatum* (Valeton) R.M. Sm.

Psychanthus peekelii (Valeton) R.M. Sm. = *Pleuranthodium peekelii* (Valeton) R.M. Sm.

Psychanthus pelecystyla (K. Schum.) R.M. Sm. = *Pleuranthodium pelecystylum* (K. Schum.) R.M. Sm.

Psychanthus piundaundensis (P. Royen) R.M. Sm. = *Pleuranthodium piundaundensis* (P. Royen) R.M. Sm.

Psychanthus platynemus (K. Schum.) R.M. Sm. = *Pleuranthodium platynema* (K. Schum.) R.M. Sm.

Psychanthus pterocarpus (K. Schum.) R.M. Sm. = *Pleuranthodium pterocarpum* (K. Schum.) R.M. Sm.

Psychanthus roemeri (Valeton) R.M. Sm. = *Pleuranthodium roemeri* (Valeton) R.M. Sm.

Psychanthus schlechteri (K. Schum.) R.M. Sm. = *Pleuranthodium schlechteri* (K. Schum.) R.M. Sm.

Psychanthus scyphonemus (K. Schum.) R.M. Sm. = *Pleuranthodium scyphonema* (K. Schum.) R.M. Sm.

Psychanthus tephrochlamys (Lauterb. & K. Schum.) R.M. Sm. = *Pleuranthodium tephrochlamys* (Lauterb. & K. Schum.) R.M. Sm.

Psychanthus trichocalyx (Valeton) R.M. Sm. = *Pleuranthodium trichocalyx* (Valeton) R.M. Sm.

Renealmia L. f. — (A)

Renealmia L. f., Suppl. pl. (1782) 7, 79. — Type species: *Renealmia exaltata* L.f.

Notes — The accepted species of *Renealmia* occur in Africa and the New World.

Renealmia mutica (Roxb.) Salisb. = *Alpinia mutica* Roxb.

Rhynchanthus Hook. f. — (A)

Rhynchanthus Hook. f., Bot. Mag. 112 (1886) t. 6861. — Type species: *Rhynchanthus longiflorus* Hook. f.

Notes — The accepted species of *Rhynchanthus* occur in the Himalaya and China.

Rhynchanthus papuanus Gilli = *Alpinia acuminata* R.M. Sm., nom. nov.

Rhynchanthus radicalis Valeton = *Geocharis radicalis* (Valeton) B.L. Burtt & R.M. Sm.

Riedelia Oliv. — (A)

Riedelia Oliv., Hooker's Icon. Pl. 15 (1883) 15. — Type species: *Riedelia curviflora* Oliv.

Nyctophylax Zipp., Alg. Konst.-Lett.-Bode (1829) 298. — Type species: *Nyctophylax alba* Zipp.

Thylacophora Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 209. — Type species: *Thylacophora pogonocheila* Ridl.

Revision status — **C**.

Distribution — Moluccas, West Papua, Papua New Guinea.

Riedelia affinis (Ridl.) K. Schum. — (**A**)

Riedelia affinis (Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 373. — Basionym: *Alpinia affinis* Ridl., J. Bot. 24 (1886) 357. — Type: *H.O. Forbes* 2, 58 (syn BM), Central, Sogeri.

Distribution — Papua New Guinea.

Riedelia alata Valeton — (**P**)

Riedelia alata Valeton, Nova Guinea 8 (1913) 975. — Type: *R.Fr. Janowski* 33 (iso L!).

Distribution — West Papua.

Riedelia albertisii (K. Schum.) K. Schum. — (**A**)

Riedelia albertisii (K. Schum.) K. Schum., Pflanzenr. IV, 46 (1904) 373. — Basionym: *Alpinia albertisii* K. Schum., Bot. Jahrb. Syst. 27 (1899) 279. — Type: *C.L.M.d' Albertis* 20 (FI!), Western, Fly River.

Distribution — Papua New Guinea.

Riedelia angustifolia Valeton — (**P**)

Riedelia angustifolia Valeton, Nova Guinea 8 (1913) 967. — Type: *R.Fr. Janowski* 185 (BO).

Distribution — West Papua.

Riedelia areolata Valeton — (**P**)

Riedelia areolata Valeton, Nova Guinea 8 (1913) 966. — Type: *M. Moszkowski* 387 (B), Sg. Mamberamo, Naumoni.

Distribution — West Papua.

Riedelia arfakensis Valeton — (**P**)

Riedelia arfakensis Valeton, Nova Guinea 8 (1913) 977. — Type: *K. Gjellerup* 1021 (iso L!), Arfak Mts.

Distribution — West Papua.

Riedelia aurantiaca (Ridl.) Loes. = *Geocharis aurantiaca* Ridl.

Riedelia aurantiaca Ridl. — (**P**)

Riedelia aurantiaca Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 224. — Type: *C.B. Kloss s.n.* (1912) (syn K), Mt. Carstensz, *s.n.* (syn), Mt. Carstensz.

Distribution — West Papua.

Riedelia bicuspis Ridl. — (P)

Riedelia bicuspis Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 224. — Type: *C.B. Kloss s.n.* (28 January 1913) (holo BM, iso SING!), Mount Carstensz.

Distribution — West Papua.

Riedelia bidentata Valetton — (P)

Riedelia bidentata Valetton, Bot. Jahrb. Syst. 52 (1914) 92. — Type: *F.R.R. Schlechter 20240* (BO), West Sepik, Torricelli Mts.

Distribution — Papua New Guinea.

Riedelia bismarckii-montium K. Schum. — (P)

Riedelia bismarckii-montium K. Schum., Pflanzenr. IV, 46 (1904) 440. — Type: *F.R.R. Schlechter 14022*, Bismarck Range.

Distribution — Papua New Guinea.

Riedelia brachybotrys Valetton — (P)

Riedelia brachybotrys Valetton, Nova Guinea 8 (1913) 980. — Type: *L.S.A.M. von Römer 765* (BO).

Distribution — West Papua.

Riedelia branderhorstii Valetton — (P)

Riedelia branderhorstii Valetton, Nova Guinea 8 (1913) 970. — Type: *B. Branderhorst 213* (BO).

Distribution — West Papua.

Riedelia brevicornu Valetton — (P)

Riedelia brevicornu Valetton, Nova Guinea 8 (1913) 970. — Type: *G.M. Versteeg 1341* (iso L!), Sg. Lorentz.

Distribution — West Papua.

Riedelia capillidens Gilli — (P)

Riedelia capillidens Gilli, Ann. Naturhist. Mus. Wien, B 84 (“1980”) (1983) 46. — Type: *A. Gilli 494* (holo W), Western Highlands, Kasap.

Distribution — Papua New Guinea.

Riedelia corallina (K. Schum.) Valetton — (A)

Riedelia corallina (K. Schum.) Valetton, Icon. Bogor. 4(3) (1913) t. 375. — Basionym: *Alpinia corallina* K. Schum., Fl. Schutzgeb. Südsee (1900) 225. — Type: *C.A.G. Lauterbach 904, 2109, 2190* (syn B), Papua New Guinea.

Distribution — West Papua, Papua New Guinea.

Riedelia cordylinoides (Ridl.) R.M. Sm. — (A)

Riedelia cordylinoides (Ridl.) R.M. Sm., Edinburgh J. Bot. 47 (1990) 65. — Basionym: *Alpinia cordylinoides* Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 211. — Type: *C.B. Kloss s.n.* (19 February 1912) (syn BM), Mt. Carstensz, *s.n.* (30 January 1913) (syn BM), Mt. Carstensz.

Distribution — West Papua.

Riedelia curcumoidea P. Royen — (P)

Riedelia curcumoidea P. Royen, The Alpine Flora of New Guinea 2 (1979) 860. — Type: *C. Kalkman 4493* (holo L!), Mount Antares.

Distribution — West Papua.

Riedelia curviflora Oliv. — (P)

Riedelia curviflora Oliv., Hooker's Icon. Pl. 15 (1883) 15. — Type: *J.G.F. Riedel s.n.* (holo K), Pulau Buru.

Distribution — Moluccas.

Riedelia decurva (Ridl.) Valeton — (A)

Riedelia decurva (Ridl.) Valeton, Bot. Jahrb. Syst. 52 (1914) 77. — Basionym: *Alpinia decurva* Ridl., J. Bot. 24 (1886) 357. — Type: *H.O. Forbes 41, 53, 57, 229, 231, 253* (syn BM), Central, Sogeri.

Distribution — Papua New Guinea.

Riedelia dolichopteron Valeton — (P)

Riedelia dolichopteron Valeton, Bot. Jahrb. Syst. 52 (1914) 93. — Type: *F.R.R. Schlechter 17317* (BO).

Distribution — Papua New Guinea.

Riedelia epiphytica Valeton — (P)

Riedelia epiphytica Valeton, Nova Guinea 8 (1913) 969. — Type: *L.S.A.M. von Römer 756* (syn BO), Hellwig Mts., *G.M. Versteeg 1412* (syn L!), Sg. Lorentz.

Distribution — West Papua.

Riedelia erecta Valeton — (P)

Riedelia erecta Valeton, Icon. Bogor. 4 (1913) t. 374. — Type: *M. Moszkowski 63* (B).

Distribution — West Papua.

Riedelia eupteron Valeton — (P)

Riedelia eupteron Valeton, Nova Guinea 8 (1913) 975. — Type: *G.M. Versteeg 1375* (BO), Sg. Lorentz, near Sabang.

Distribution — West Papua.

Riedelia exalata Valeton — (P)

Riedelia exalata Valeton, Fl. Arfak mts. (1917) 102. — Type: *L.S. Gibbs 5637* (BM), Arfak Mts.

Distribution — West Papua.

Riedelia ferruginea Ridl. — (P)

Riedelia ferruginea Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 225. — Type: *C.B. Kloss s.n.* (14 January 1912) (holo BM), Mount Carstensz.

Distribution — West Papua.

Riedelia ferruginea Valeton — (P)

Riedelia ferruginea Valeton, Bot. Jahrb. Syst. 52 (1914) 79. — Type: *F.R.R. Schlechter 19224* (BO), Morobe, near Siu.

Distribution — Papua New Guinea.

Riedelia flava Lauterb. ex Valeton — (P)

Riedelia flava Lauterb. ex Valeton, Bot. Jahrb. Syst. 52 (1914) 86. — Type: *L. Schultze 309*, West Sepik, Sepik River.

Distribution — Papua New Guinea.

Riedelia fulgens Valeton — (P)

Riedelia fulgens Valeton, Nova Guinea 8 (1913) 964. — Type: *L.S.A.M. von Römer 423* (syn L!), Sg. Lorentz, *G.M. Versteeg 1648* (syn BO), Sg. Lorentz.

Distribution — West Papua.

Riedelia geanthus Valeton — (P)

Riedelia geanthus Valeton, Bull. Dép. Agric. Indes Néerl. 10 (1907) 2. — Type: *C.E.A Wichmann s.n.* (BO).

Distribution — West Papua.

Riedelia geluensis Valeton — (P)

Riedelia geluensis Valeton, Bot. Jahrb. Syst. 52 (1914) 91. — Type: *F.R.R. Schlechter 16721* (syn BO), *18170* (syn BO), Madang, Finisterre Range, *E. Werner 152* (syn BO), Madang, Finisterre Range.

Distribution — Papua New Guinea.

Riedelia geluensis var. **microflora** Gilli — (P)

Riedelia geluensis var. *microflora* Gilli, Ann. Naturhist. Mus. Wien, B 84 (“1980”) (1983) 47. — Type: *A. Gilli 173* (syn W), Chimbu, Mingende, *A. Gilli 497* (syn W), Western Highlands, Kasap.

Distribution — Papua New Guinea.

Riedelia geminiflora Valeton — (P)

Riedelia geminiflora Valeton, Bot. Jahrb. Syst. 52 (1914) 95. — Type: *F.R.R. Schlechter 17050* (BO).

Distribution — Papua New Guinea.

Riedelia graminea Valeton — (P)

Riedelia graminea Valeton, Nova Guinea 8 (1913) 972. — Type: *G.M. Versteeg 1223* (iso L!), Sg. Lorentz, near Sabang, Mt. Hugel.

Distribution — West Papua.

Riedelia graminea var. **diversifolia** Valeton — (P)

Riedelia graminea var. *diversifolia* Valeton, Nova Guinea 8 (1913) 973. — Type: *Exploratie-Detachement 8, 22, 23 (1912)* (syn BO), Northwest River.

Distribution — West Papua.

Riedelia graminea var. **elata** Valeton — (P)

Riedelia graminea var. *elata* Valeton, Nova Guinea 8 (1913) 974. — Type: *G.M. Versteeg 1165* (iso L!), Sg. Lorentz.

Distribution — West Papua.

Riedelia graminea var. **nana** Valeton — (P)

Riedelia graminea var. *nana* Valeton, Nova Guinea 8 (1913) 974. — Type: *A.C. de Kock 182* (BO), foot of Mt. Goliath.

Distribution — West Papua.

Riedelia grandiligula Valeton — (P)

Riedelia grandiligula Valeton, Bot. Jahrb. Syst. 52 (1914) 80. — Type: *F.R.R. Schlechter 20257* (BO), West Sepik, Torricelli Mts.

Distribution — Papua New Guinea.

Riedelia hirtella Ridl. — (P)

Riedelia hirtella Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 222. — Type: *C.B. Kloss s.n. (27 January 1913)* (holo BM), Mount Carstensz.

Distribution — West Papua.

Riedelia hollandiae Valeton — (P)

Riedelia hollandiae Valeton, Nova Guinea 8 (1913) 965. — Type: *K. Gjellerup 297* (BO), Teluk Yos Sudarso.

Distribution — West Papua, Papua New Guinea.

Riedelia klossii Ridl. — (P)

Riedelia klossii Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 223. — Type: *C.B. Kloss s.n. (January 1913)* (holo BM), Mount Carstensz.

Distribution — West Papua.

Riedelia lanata (Scheff.) Valeton — (A)

Riedelia lanata (Scheff.) Valeton, Icon. Bogor. 4 (1913) 227, t. 373. — Basionym: *Hedychium lanatum* Scheff., Ann. Jard. Bot. Buitenzorg 1 (1876) 57. — Type: *J.E. Teijsmann 6741* (BO, L!), *s.n.* (August 1871) (BO).

Distribution — West Papua, Papua New Guinea.

Riedelia lanata forma **ligulata** Valeton — (P)

Riedelia lanata forma *ligulata* Valeton, Nova Guinea 8 (1913) 961. — Type: *L.S.A.M. von Römer 69, 281* (syn BO), Sg. Lorentz, *G.M. Versteeg 1645* (syn L!), Sg. Lorentz.

Distribution — West Papua.

Riedelia lanatiligulata Ridl. — (P)

Riedelia lanatiligulata Ridl., Proc. Roy. Soc. Queensland 34 (1923) 19. — Type: *C.T. White 615* (holo BM), Central, near Fofu Fofu.

Distribution — Papua New Guinea.

Riedelia latiligula Valeton — (P)

Riedelia latiligula Valeton, Bot. Jahrb. Syst. 52 (1914) 80. — Type: *F.R.R. Schlechter 20067* (BO), West Sepik, Torricelli Mts.

Distribution — Papua New Guinea.

Riedelia ligulata Ridl. — (P)

Riedelia ligulata Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 223. — Type: *C.B. Kloss s.n.* (syn BM, K), Mt. Carstensz.

Distribution — West Papua.

Riedelia longifolia Valeton — (P)

Riedelia longifolia Valeton, Bot. Jahrb. Syst. 52 (1914) 82. — Type: *F.R.R. Schlechter 17360* (BO).

Distribution — Papua New Guinea.

Riedelia longirostra Valeton — (P)

Riedelia longirostra Valeton, Bot. Jahrb. Syst. 52 (1914) 84. — Type: *F.R.R. Schlechter 17032, 17127* (syn BO).

Distribution — Papua New Guinea.

Riedelia longisepala Ridl. — (P)

Riedelia longisepala Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 226. — Type: *C.B. Kloss s.n.*, Mt. Carstensz.

Distribution — West Papua.

Riedelia macrantha (Scheff.) K. Schum. — (A)

Riedelia macrantha (Scheff.) K. Schum., Pflanzenr. IV, 46 (1904) 373. — Basionym: *Alpinia macrantha* Scheff., Ann. Jard. Bot. Buitenzorg 1 (1876) 56. — Type: *J.E. Teijsmann 6742* (iso L!), West Papua, near Andai.

Alpinia plectophylla K. Schum., Bot. Jahrb. Syst. 27 (1899) 273. — Type: *O. Beccari 618* (holo FI!), West Papua, near Andai.

Distribution — West Papua, Papua New Guinea.

Riedelia macrantha var. **grandiflora** Valeton — (P)

Riedelia macrantha var. *grandiflora* Valeton, Bot. Jahrb. Syst. 52 (1914) 78. — Type: *F.R.R. Schlechter 16525, 18124* (syn BO).

Distribution — Papua New Guinea.

Riedelia macranthoides Valeton — (P)

Riedelia macranthoides Valeton, Nova Guinea 8 (1913) 965. — Type: *M. Moszkowski 333* (holo B).

Distribution — West Papua, Papua New Guinea.

Riedelia macrostemon (K. Schum.) Loes. = *Geocharis macrostemon* (K. Schum.) Holttum

Riedelia macrothyrsa Valeton — (P)

Riedelia macrothyrsa Valeton, Bot. Jahrb. Syst. 52 (1914) 90. — Type: *F.R.R. Schlechter 18766* (BO), Bismarck Range.

Distribution — Papua New Guinea.

Riedelia maculata Valeton — (P)

Riedelia maculata Valeton, Nova Guinea 8 (1913) 966. — Type: *G.M. Versteeg 1594, 1624* (syn L!), Alkmaar.

Distribution — West Papua.

Riedelia marafungensis P. Royen — (P)

Riedelia marafungensis P. Royen, The Alpine Flora of New Guinea 2 (1979) 872. — Type: *A.N. Millar & P. van Royen NGF 15799* (holo L!).

Distribution — Papua New Guinea.

Riedelia maxima Valeton — (P)

Riedelia maxima Valeton, Nova Guinea 8 (1913) 962. — Type: *B. Branderhorst 354* (syn L!), near Alkmaar, *L.S.A.M. von Römer 422* (syn BO), Alkmaar, *G.M. Versteeg 1334* (syn L!), near Sabang, *G.M. Versteeg 1518* (syn L!), Alkmaar.

Distribution — West Papua, Papua New Guinea.

Riedelia microbotrya Valeton — (P)

Riedelia microbotrya Valeton, Bot. Jahrb. Syst. 52 (1914) 93. — Type: *F.R.R. Schlechter 18606* (BO), Bismarck Range.

Distribution — Papua New Guinea.

Riedelia minor Valetton — (P)

Riedelia minor Valetton, Bot. Jahrb. Syst. 52 (1914) 70. — Type: *F.R.R. Schlechter 20260* (syn BO), West Sepik, Torricelli Mts., *L. Schultze (33) 69* (syn BO), near mouth of Sg. Tami.

Distribution — West Papua, Papua New Guinea.

Riedelia monophylla K. Schum. — (P)

Riedelia monophylla K. Schum., Pflanzenr. IV, 46 (1904) 439. — Type: *F.R.R. Schlechter 14326*, West Sepik, Torricelli Mts.

Distribution — Papua New Guinea.

Riedelia montana Valetton — (P)

Riedelia montana Valetton, Nova Guinea 8 (1913) 971. — Type: *L.S.A.M. von Römer 1200* (holo BO), Hellwig Mts.

Distribution — West Papua, Papua New Guinea.

Riedelia montana var. **arfakensis** Valetton — (P)

Riedelia montana var. *arfakensis* Valetton, Nova Guinea 8 (1913) 972. — Type: *K. Gjellerup 1154* (holo BO!, iso L!), Arfak Mountains.

Distribution — West Papua.

Riedelia montana var. **goliathensis** Valetton — (P)

Riedelia montana var. *goliathensis* Valetton, Nova Guinea 8 (1913) 972. — Type: *A.C. de Kock 70* (syn BO), Mt. Goliath, *156* (syn BO!, L!), Mt. Goliath.

Distribution — West Papua.

Riedelia montana var. **puberula** Valetton — (P)

Riedelia montana var. *puberula* Valetton, Fl. Arfak mts. (1917) 102. — Type: *L.S. Gibbs 5515* (BM), Arfak Mts.

Distribution — West Papua.

Riedelia monticola Valetton — (P)

Riedelia monticola Valetton, Bot. Jahrb. Syst. 52 (1914) 87. — Type: *F.R.R. Schlechter 18765* (BO), Bismarck Range.

Distribution — Papua New Guinea.

Riedelia nymanii K. Schum. — (P)

Riedelia nymanii K. Schum., Pflanzenr. IV, 46 (1904) 374. — Type: *E.O.A Nyman 553*, Morobe, Sattelburg.

Distribution — Papua New Guinea.

Riedelia orchioides (K. Schum.) Valeton — (A)

Riedelia orchioides (K. Schum.) Valeton, Nova Guinea 8 (1913) 976. — Basionym: *Alpinia orchioides* K. Schum., Bot. Jahrb. Syst. 27 (1899) 278. — Type: *O. Beccari s.n.* (July 1875) (holo FI!), Arfak Mountains.

Distribution — West Papua.

Riedelia paniculata Valeton — (P)

Riedelia paniculata Valeton, Nova Guinea 8 (1913) 977. — Type: *K. Gjellerup 1147* (syn L!), Arfak Mts., *L.S.A.M. von Römer 1013* (syn BO), Hellwig Mts.

Distribution — West Papua, Papua New Guinea.

Riedelia piundaundensis P. Royen = *Pleuranthodium piundaundensis* (P. Royen) R.M. Sm.

Riedelia pterocalyx (K. Schum.) Valeton — (A)

Riedelia pterocalyx (K. Schum.) Valeton, Nova Guinea 8 (1913) 974. — Basionym: *Alpinia pterocalyx* K. Schum., Pflanzenz. IV, 46 (1904) 332. — Type: *A. Zippelius s.n.* (iso L!).

Distribution — West Papua.

Riedelia pulcherrima Ridl. — (P)

Riedelia pulcherrima Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 225. — Type: *C.B. Kloss s.n.* (holo BM), Mount Carstensz.

Distribution — West Papua.

Riedelia purpurata Ridl. — (P)

Riedelia purpurata Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 222. — Type: *C.B. Kloss s.n.* (16 January 1913) (syn K!), *s.n.* (12 February 1913) (syn BM), Mt. Carstensz.

Distribution — West Papua.

Riedelia rigidocalyx Lauterb. ex Valeton — (P)

Riedelia rigidocalyx Lauterb. ex Valeton, Bot. Jahrb. Syst. 52 (1914) 87. — Type: *L. Schultze 296*, Sepik River.

Distribution — Papua New Guinea.

Riedelia robusta Valeton — (P)

Riedelia robusta Valeton, Nova Guinea 8 (1913) 968. — Type: *G.M. Versteeg 1199* (BO), Sg. Lorentz.

Distribution — West Papua.

Riedelia rosacea P. Royen — (P)

Riedelia rosacea P. Royen, The Alpine Flora of New Guinea 2 (1979) 866. — Type: *A.N. Millar NGF 15798* (holo L!).

Distribution — Papua New Guinea.

Riedelia rubra (Ridl.) Loes. = *Geocharis rubra* Ridl.

Riedelia schlechteri Valeton — (P)

Riedelia schlechteri Valeton, Bot. Jahrb. Syst. 52 (1914) 88. — Type: *F.R.R. Schlechter 19715* (BO), Morobe.

Distribution — Papua New Guinea.

Riedelia sessilantha Valeton — (P)

Riedelia sessilantha Valeton, Nova Guinea 8 (1913) 979. — Type: *L.S.A.M. von Römer 1119* (BO), Hellwig Mts.

Distribution — West Papua.

Riedelia sessilantha var. **euodon** Valeton — (P)

Riedelia sessilantha var. *euodon* Valeton, Nova Guinea 8 (1913) 980. — Type: *L.S.A.M. von Römer 1039* (BO), Hellwig Mts.

Distribution — West Papua, Papua New Guinea.

Riedelia stricta K. Schum. — (P)

Riedelia stricta K. Schum., Pflanzenr. IV, 46 (1904) 439. — Type: *F.R.R. Schlechter s.n.*, West Sepik, Torricelli Mts.

Distribution — Papua New Guinea.

Riedelia subalpina P. Royen — (P)

Riedelia subalpina P. Royen, The Alpine Flora of New Guinea 2 (1979) 881. — Type: *W. Vink 16015* (holo BISH, iso L!), Kubor Range.

Distribution — Papua New Guinea.

Riedelia suborbicularis P. Royen — (P)

Riedelia suborbicularis P. Royen, The Alpine Flora of New Guinea 2 (1979) 863. — Type: *L.J. Brass 30954* (holo L!), Eastern Highlands, Mt. Otto.

Distribution — West Papua, Papua New Guinea.

Riedelia subulocalyx Valeton — (P)

Riedelia subulocalyx Valeton, Nova Guinea 8 (1913) 978. — Type: *G.M. Versteeg 1225* (iso L!), Sg. Lorentz, near Sabang.

Distribution — West Papua.

Riedelia tenuifolia Valeton — (P)

Riedelia tenuifolia Valeton, Nova Guinea 8 (1913) 964. — Type: *L.S.A.M. von Römer 1120* (BO), Hellwig Mts.

Distribution — West Papua, Papua New Guinea.

Riedelia triciliata Ridl. — (P)

Riedelia triciliata Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 224. — Type: *C.B. Kloss s.n.* (February 1913) (holo BM), Mount Carstensz.

Distribution — West Papua.

Riedelia umbellata Valetton — (P)

Riedelia umbellata Valetton, Bot. Jahrb. Syst. 52 (1914) 96. — Type: *F.R.R. Schlechter 18546* (BO), Bismarck Range.

Distribution — Papua New Guinea.

Riedelia urceolata Valetton — (P)

Riedelia urceolata Valetton, Bot. Jahrb. Syst. 52 (1914) 83. — Type: *L. Schultze 26* (BO).

Distribution — Papua New Guinea.

Riedelia urceolata var. **sessilifolia** Valetton — (P)

Riedelia urceolata var. *sessilifolia* Valetton, Bot. Jahrb. Syst. 52 (1914) 84. — Type: *F.R.R. Schlechter 20274* (BO), West Sepik, Torricelli Mts.

Distribution — Papua New Guinea.

Riedelia whitei Ridl. — (P)

Riedelia whitei Ridl., Proc. Roy. Soc. Queensland 34 (1923) 19. — Type: *C.T. White 613, 655* (syn BRI), Central, Deva Deva.

Distribution — Papua New Guinea.

Riedelia wollastonii Ridl. — (P)

Riedelia wollastonii Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 226. — Type: *C.B. Kloss s.n.* (February 1913) (holo BM), Mount Carstensz.

Distribution — West Papua.

Roscoea Sm. — (A)

Roscoea Sm., Exot. Bot. 2 (1805) 97. — Type species: *Roscoea purpurea* Sm.

Notes — The accepted species of *Roscoea* occur in the Himalaya, Burma, China.

Roscoea lutea (Blanco) Hassk. = *Curcuma zedoaria* (Christm.) Roscoe

Roscoea nigrociliata Hassk. = *Curcuma zedoaria* (Christm.) Roscoe

Scaphochlamys Baker — (A)

Scaphochlamys Baker, Fl. Brit. India 6 (1892) 252. — Type species: *Scaphochlamys malaccana* Baker.

Hitcheniopsis (Baker) Ridl., Fl. Malay Penins. 4 (1924) 252. — Type species: Not designated.

Revision status — **B**: Smith (1987).

Distribution — Thailand, Peninsular Malaysia, Singapore, Sarawak, Kalimantan.

Scaphochlamys argentea R.M. Sm. — (A)

Scaphochlamys argentea R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 209. — Type: *B.L. Burt & P.J.B. Woods B 2700* (holo E!), Sarawak.

Distribution — Sarawak.

Scaphochlamys atroviridis Holttum — (A)

Scaphochlamys atroviridis Holttum, Gard. Bull. Singapore 13 (1950) 93. — Type: *E.J.H. Corner SFN 30240* (holo SING!, iso E!, P!), Kemaman.

Distribution — Peninsular Malaysia.

Scaphochlamys biloba (Ridl.) Holttum — (A)

Scaphochlamys biloba (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 89. — Basionym: *Gastrochilus biloba* Ridl., Trans. Linn. Soc. London, Bot. 3 (1893) 379. — *Kaempferia biloba* (Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 81. — *Boesenbergia biloba* (Ridl.) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 315. — Lectotype: *H.N. Ridley s.n. (26 July 1891)* (K, designated by Holttum, 1950), Pahang.

Gastrochilus calophylla Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 115. — *Kaempferia calophylla* (Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 80. — *Boesenbergia calophylla* (Ridl.) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 315. — Type: *H.N. Ridley s.n.*, Selangor.

Distribution — Peninsular Malaysia.

Scaphochlamys biloba var. **lanceolata** (Ridl.) Holttum — (A)

Scaphochlamys biloba var. *lanceolatus* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 90. — Basionym: *Gastrochilus biloba* var. *lanceolatus* Ridl., J. Straits Branch Roy. Asiat. Soc. 57 (1910) 102 — Type: *H.N. Ridley 14422* (lecto K, I.M. Turner, Asian Journal of Tropical Biology, 2000), Pahang.

Distribution — Peninsular Malaysia.

Scaphochlamys breviscapa Holttum — (A)

Scaphochlamys breviscapa Holttum, Gard. Bull. Singapore 13 (1950) 95. — Type: *E.J.H. Corner SFN 30021* (holo SING!, iso BO!, E!, P!), Kemaman.

Distribution — Peninsular Malaysia, Sarawak.

Scaphochlamys burkillii Holttum — (A)

Scaphochlamys burkillii Holttum, Gard. Bull. Singapore 13 (1950) 102. — Type: *A.M. Burn-Murdoch SFN 210* (holo SING), Pahang.

Distribution — Peninsular Malaysia.

Scaphochlamys concinna (Baker) Holttum — (A)

Scaphochlamys concinna (Baker) Holttum, Gard. Bull. Singapore 13 (1950) 94. — Basionym: *Kaempferia concinna* Baker, Fl. Brit. India 6 (1890) 221. — *Boesenbergia concinna* (Baker) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 316. — Type: *H.H. Kunstler 10135* (iso SING!).

Distribution — Peninsular Malaysia, Sarawak.

Scaphochlamys erecta Holttum — (A)

Scaphochlamys erecta Holttum, Gard. Bull. Singapore 13 (1950) 99. — Type: *E.J.H. Corner SFN 31941* (holo SING!, iso BO!, E!), Johore.

Distribution — Peninsular Malaysia.

Scaphochlamys grandis Holttum — (A)

Scaphochlamys grandis Holttum, Gard. Bull. Singapore 13 (1950) 101. — Type: *E.J.H. Corner SFN 30030* (holo SING, iso BO!, E!, P!), Kemaman.

Distribution — Peninsular Malaysia.

Scaphochlamys klossii (Ridl.) Holttum — (A)

Scaphochlamys klossii (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 100. — Basionym: *Gastrochilus klossii* Ridl., Mat. fl. Malay. Penins. 2 (1907) 16. — *Boesenbergia klossii* (Ridl.) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 571. — Type: *C.B. Kloss s.n. (1905)* (holo K), Johore.

Distribution — Peninsular Malaysia, Singapore.

Scaphochlamys klossii var. **glomerata** Holttum — (A)

Scaphochlamys klossii var. *glomerata* Holttum, Gard. Bull. Singapore 13 (1950) 101. — Type: *E.J.H. Corner SFN 30952* (holo SING!, iso E!), Johore.

Distribution — Peninsular Malaysia.

Scaphochlamys klossii var. **minor** Holttum — (A)

Scaphochlamys klossii var. *minor* Holttum, Gard. Bull. Singapore 13 (1950) 101. — Type: *E.J.H. Corner SFN 30743* (holo SING!), Johore.

Distribution — Peninsular Malaysia.

Scaphochlamys kunstleri (Baker) Holttum — (A)

Scaphochlamys kunstleri (Baker) Holttum, Gard. Bull. Singapore 13 (1950) 96. — Basionym: *Curcuma kunstleri* Baker, Fl. Brit. India 6 (1890) 214. — *Gastrochilus kunstleri* (Baker) Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 104. — *Hitcheniopsis kunstleri* (Baker) Ridl., Fl. Malay Penins. 4 (1924) 252. — Type: *H.H. Kunstler s.n. (1882)* (iso C).

Distribution — Peninsular Malaysia.

Notes — Baker, in Fl. Brit. India cites the type as “Pegu, Kunstler (Hort. Calcutt. 1882)” which indicates a specimen made from a plant in cultivation at Calcutta. If the collector was H.H. Kunstler, then the origin of the plant is likely to be Peninsular Malaysia. *Scaphochlamys kunstleri* is not listed in the flora of Burma (Kress et al., 2003).

Scaphochlamys kunstleri var. **rubra** (Ridl.) Holttum — (A)

Scaphochlamys kunstleri var. *rubra* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 97. — Basionym: *Curcuma kunstleri* var. *rubra* Ridl., J. Straits Branch Roy. Asiatic Soc. 32 (1899) 120. — *Hitcheniopsis kunstleri* var. *rubra* (Ridl.) Ridl., Fl. Malay Penins. 4 (1924) 253. — Type: *C. Curtis s.n. (SING)*.

Distribution — Peninsular Malaysia.

Scaphochlamys kunstleri var. **speciosa** C.K. Lim — (A)

Scaphochlamys kunstleri var. *speciosa* C.K. Lim, Folia Malaysiana 2(2) (2001) 123. — Type: C.K. Lim L4791 (holo KEP), Perak.

Distribution — Peninsular Malaysia.

Scaphochlamys lanceolata (Ridl.) Holttum — (A)

Scaphochlamys lanceolata (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 99. — Basionym: *Gastrochilus lanceolatus* Ridl., Mat. fl. Malay. Penins. 2 (1907) 16. — Type: H.N. Ridley s.n. (December 1892) (holo K), Johore.

Distribution — Peninsular Malaysia.

Scaphochlamys longifolia Holttum — (A)

Scaphochlamys longifolia Holttum, Gard. Bull. Singapore 13 (1950) 91. — *Gastrochilus longifolius* Ridl., nom. illeg., Fl. Malay Penins. 4 (1924) 252. — Type: H.N. Ridley s.n., Selangor.

Distribution — Peninsular Malaysia.

Scaphochlamys malaccana Baker — (A)

Scaphochlamys malaccana Baker, Fl. Brit. India 6 (1892) 252. — *Kaempferia malaccana* (Baker) K. Schum., Pflanzenr. IV, 46 (1904) 81. — *Boesenbergia malaccana* (Baker) Govaerts, World Checklist of Seed Plants 3(1) (1999) 9. — Type: H. Cuming s.n. (syn K), W. Griffith 5761 (syn P!), R.W. Hullett s.n. (syn K), A.C. Maingay 1579 (syn K), Malacca.

Gastrochilus lancifolius Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 112. — *Kaempferia lancifolia* (Ridl.) K. Schum., Pflanzenr. IV, 46 (1904) 80. — *Boesenbergia lancifolia* (Ridl.) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 316. — Type: H.W. Lake & Kelsall s.n. (1892) (holo K), Johore.

Gastrochilus scaphochlamys Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 112. — *Boesenbergia scaphochlamys* (Ridl.) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 317. — Type: H.N. Ridley 3141 (syn), Malacca, J.B. Fielding s.n. (October 1892) (syn), Johor.

Kaempferia cumingii K. Schum., Pflanzenr. IV, 46 (1904) 80. — Type: H. Cuming 2356 (syn E!, P!), Malacca.

Distribution — Peninsular Malaysia.

Scaphochlamys minutiflora Jenjitt. & K. Larsen — (A)

Scaphochlamys minutiflora Jenjitt. & K. Larsen, Nordic J. Bot. 22 (2002) 35. — Type: T. Tiptabarnkarn 4407 (holo AAU, iso BKF), Narathiwat.

Distribution — Thailand.

Scaphochlamys obcordata Sirirugsa & K. Larsen — (P)

Scaphochlamys obcordata Sirirugsa & K. Larsen, Nordic J. Bot. 11 (1991) 93. — Type: P. Sirirugsa 1173 (holo PSU), Narathiwat.

Distribution — Thailand.

Scaphochlamys oculata (Ridl.) Holttum — (A)

Scaphochlamys oculata (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 92. — Basionym: *Gastrochilus oculatus* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 117. — *Boesenbergia oculata*

(Ridl.) Schltr., Repert. Spec. Nov. Regni Veg. 12 (1913) 316. — Lectotype: *H.N. Ridley 8484* (K, designated by Holttum, 1950), Selangor.

Distribution — Peninsular Malaysia.

Scaphochlamys pennipicta Holttum — (A)

Scaphochlamys pennipicta Holttum, Gard. Bull. Singapore 13 (1950) 93. — Type: *Hj. M. Nur bin Mohamed Ghose SFN 11181* (holo SING), Pahang.

Distribution — Peninsular Malaysia.

Scaphochlamys perakensis Holttum — (A)

Scaphochlamys perakensis Holttum, Gard. Bull. Singapore 13 (1950) 97., nom. nov. — Basionym: *Curcuma lanceolata* Ridl., Mat. fl. Malay. Penins. 2 (1907) 22. — *Hitcheniopsis lanceolata* (Ridl.) Ridl., Fl. Malay Penins. 4 (1924) 253. — Type: *C. Curtis 2522* (holo SING!), Perak.

Distribution — Peninsular Malaysia.

Scaphochlamys petiolata (K. Schum.) R.M. Sm. — (A)

Scaphochlamys petiolata (K. Schum.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 210. — Basionym: *Haplochorema petiolatum* K. Schum., Pflanzenz. IV, 46 (1904) 90. — Type: *G.D. Haviland 2026* (K), 1st Division, Gunung Senggi.

Distribution — Sarawak.

Scaphochlamys polyphylla (K. Schum.) B.L. Burt & R.M. Sm. — (A)

Scaphochlamys polyphylla (K. Schum.) B.L. Burt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 31 (1972) 315. — Basionym: *Haplochorema polyphyllum* K. Schum., Bot. Jahrb. Syst. 27 (1899) 332. — Type: *O. Beccari 2324* (holo FI!), Lundu.

Gastrochilus bractescens Ridl., J. Straits Branch Roy. Asiat. Soc. 54 (1910) 57. — *Boesenbergia bractescens* (Ridl.) Merr., Bibl. enum. Born. pl. (1921) 122. — Type: *F.W. Foxworthy 42* (holo SING), Lundu.

Gastrochilus laxiflorum Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 100. — *Boesenbergia laxiflora* (Valetton) Loes., Nat. Pflanzenfam. ed. 2, 15,A (1930) 572. — Type: *J.E. Teijsmann 10916* (holo BO), Monterado.

Distribution — Sarawak, Kalimantan.

Scaphochlamys reticosa (Ridl.) R.M. Sm. — (A)

Scaphochlamys reticosa (Ridl.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 44 (1987) 209. — Basionym: *Gastrochilus reticosa* Ridl., J. Straits Branch Roy. Asiat. Soc. 44 (1905) 195. — *Boesenbergia reticosa* (Ridl.) Merr., Bibl. enum. Born. pl. (1921) 122. — Type: *H.N. Ridley s.n. (22 November 1904)* (holo SING!), 1st Division, Bidi.

Distribution — Sarawak.

Scaphochlamys rubescens Jenjitt. & K. Larsen — (A)

Scaphochlamys rubescens Jenjitt. & K. Larsen, Nordic J. Bot. 22 (2002) 37. — Type: *T. Tiptabi-arnkarn 5080* (holo AAU, iso BKF), Narathiwat.

Distribution — Thailand.

Scaphochlamys rubromaculata Holttum — (A)

Scaphochlamys rubromaculata Holttum, Gard. Bull. Singapore 13 (1950) 103. — Type: *E.J.H. Corner SFN 30031* (holo SING, iso BO!, E!), Kemaman.

Distribution — Peninsular Malaysia, Singapore.

Scaphochlamys subbiloba (Burkill ex Ridl.) Holttum — (A)

Scaphochlamys subbiloba (Burkill ex Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 105. — Basionym: *Gastrochilus subbiloba* Burkill ex Ridl., Fl. Malay Penins. 4 (1924) 250. — Lectotype: *I.H. Burkill SFN 1002* (K, designated by Turner, 2000), Pahang.

Distribution — Peninsular Malaysia.

Scaphochlamys sylvestris (Ridl.) Holttum — (A)

Scaphochlamys sylvestris (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 91. — Basionym: *Curcuma sylvestris* Ridl., Trans. Linn. Soc. London, Bot. 3 (1893) 378. — *Hitcheniopsis sylvestris* (Ridl.) Ridl., Fl. Malay Penins. 4 (1924) 253. — Lectotype: *H.N. Ridley 2400* (K, designated by Holttum, 1950), Pahang.

Distribution — Peninsular Malaysia.

Scaphochlamys tenuis Holttum — (A)

Scaphochlamys tenuis Holttum, Gard. Bull. Singapore 13 (1950) 98. — Type: *E.J.H. Corner SFN 30543* (holo SING!, iso BO!, E!), Kemaman.

Distribution — Peninsular Malaysia, Singapore.

Siamanthus K. Larsen & Mood — (A)

Siamanthus K. Larsen & Mood, Nordic J. Bot. 18 (1998) 393. — Type species: *Siamanthus siliquosus* K. Larsen & Mood.

Revision status — A: Larsen & Mood (1998).

Distribution — Thailand.

Siamanthus siliquosus K. Larsen & Mood — (A)

Siamanthus siliquosus K. Larsen & Mood, Nordic J. Bot. 18 (1998) 393. — Type: *J.D. Mood 93P13* (holo AAU), Narathiwat.

Distribution — Thailand.

Sphaerocarpos J.F. Gmel. = *Globba* L.

Sphaerocarpos hura J.F. Gmel. = *Globba pendula* Roxb.

Stenochasma Griff. = *Hornstedtia* Retz.

Stenochasma convoluta Griff. = *Hornstedtia leonurus* (J. König) Retz.

Stenochasma urceolare Griff. = *Hornstedtia scyphifera* (J. König) Steud.

Strobidia Miq. = *Alpinia* Roxb., nom. cons.

Strobidia sumatrana Miq. = *Alpinia sumatrana* (Miq.) K. Schum.

Tamijia S. Sakai & Nagam. — (A)

Tamijia S. Sakai & Nagam., Edinburgh J. Bot. 57 (2000) 245. — Type species: *Tamijia flagellaris* S. Sakai & Nagam.

Revision status — A: Sakai & Nagamasu (2000b).

Distribution — Sarawak.

Tamijia flagellaris S. Sakai & Nagam. — (A)

Tamijia flagellaris S. Sakai & Nagam., Edinburgh J. Bot. 57 (2000) 245. — Type: *H. Nagamasu 6719* (holo KYO, iso SAR), Lambir Hills National Park.

Distribution — Sarawak.

Thylacophora Ridl. = *Riedelia* Oliv.

Thylacophora pogonocheila Ridl. — (P)

Thylacophora pogonocheila Ridl., Trans. Linn. Soc. London, Bot. 9 (1916) 210. — Type: *C.B. Kloss s.n. (November 1912)* (holo K), Mount Carstensz.

Distribution — West Papua.

Vanoverberghia Merr. — (A)

Vanoverberghia Merr., Philipp. J. Sci., C 7 (1912) 76. — Type species: *Vanoverberghia sepulchrei* Merr.

Revision status — A: H. Funakoshi (in prep.).

Distribution — Philippines.

Vanoverberghia diversifolia Elmer = *Alpinia diversifolia* (Elmer) Elmer

Vanoverberghia sepulchrei Merr. — (P)

Vanoverberghia sepulchrei Merr., Philipp. J. Sci., C 7 (1912) 76. — Type: *M. Vanoverbergh 956* (holo PNH, iso P!), Mountain Province, Bontoc.

Distribution — Philippines.

Zingiber Mill. — (A)

Zingiber Mill., Gard. Dict. abr. ed. 4 (1754). — Type species: *Zingiber officinale* Roscoe.

Revision status — B: Smith (1989), Theilade (1998).

Distribution — Thailand, Sumatra, Peninsular Malaysia, Singapore, Sarawak, Sabah, Kalimantan, Java, Lesser Sunda Isl., Philippines, Moluccas, Papua New Guinea.

Zingiber acuminatum Valetton — (P)

Zingiber acuminatum Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 13. — Type: *Anon. s.n. (BO!)*, West Java, Gunung Salak.

Distribution — Java.

Zingiber acuminatum var. **acutibracteatum** Valeton — (P)

Zingiber acuminatum var. *acutibracteatum* Valeton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 142. — Type: C.A. Backer 11493 (syn BO!), East Java, Gunung Wilis, 11515 (syn BO!), Central Java, Wonosegoro, 16228 (syn BO!), Central Java, Pekalongan.

Distribution — Java.

Zingiber acuminatum var. **borneense** Valeton — (A)

Zingiber acuminatum var. *borneense* Valeton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 141. — Type: A.W. Nieuwenhuis s.n. (L).

Distribution — Kalimantan.

Zingiber albiflorum R.M. Sm. — (A)

Zingiber albiflorum R.M. Sm., Bot. J. Linn. Soc. 85 (1982) 41. — Type: J.A.R. Kerby 191 (holo E!), Gunung Mulu National Park.

Distribution — Sarawak.

Zingiber alliaceum K. Schum. — (P)

Zingiber alliaceum K. Schum., Pflanzenr. IV, 46 (1904) 179. — Type: J.E. Teijsmann s.n.

Distribution — Lesser Sunda Isl.

Zingiber amaricans Blume = *Zingiber zerumbet* (L.) Sm.

Zingiber apoense Elmer — (P)

Zingiber apoense Elmer, Leafl. Philipp. Bot. 8 (1915) 2914. — Type: A.D.E. Elmer 11750, Davao del Sur, Mt. Apo, Todaya.

Distribution — Philippines.

Zingiber aquosum Blume = *Zingiber odoriferum* Blume

Zingiber aquosum Noroña, *nomen nudum* = *Zingiber odoriferum* Blume

Zingiber argenteum Mood & Theilade — (A)

Zingiber argenteum Mood & Theilade, Nordic J. Bot. 17 (1997) 341. — Type: J.D. Mood 630 (holo SAN), Sarawak.

Distribution — Sarawak.

Zingiber aromaticum Valeton = *Zingiber zerumbet* (L.) Sm.

Zingiber aurantiacum (Holtum) Theilade — (A)

Zingiber aurantiacum (Holtum) Theilade, Gard. Bull. Singapore 48 (1998) 232. — Basionym: *Zingiber gracile* var. *aurantiacum* Holtum, Gard. Bull. Singapore 13 (1950) 63. — Lectotype: H.M. Burkill & R.E. Holtum SFN 8806 (SING, designated by Theilade, 1998), Pahang.

Distribution — Peninsular Malaysia.

Zingiber banahaoense Mood & Theilade — (A)

Zingiber banahaoense Mood & Theilade, Nordic J. Bot. 21 (2001) 129. — Type: *J.D. Mood 506* (holo AAU, iso K), Mount Banahao.

Distribution — Philippines.

Zingiber blancoi Hassk. = *Zingiber officinale* Roscoe

Zingiber borneense K. Schum. = *Amomum borneense* (K. Schum.) R.M. Sm.

Zingiber brevifolium K. Schum. — (P)

Zingiber brevifolium K. Schum., Bot. Jahrb. Syst. 27 (1899) 268. — Type: *C.A.G. Lauterbach 1596* (B).

Distribution — Papua New Guinea.

Zingiber brevifolium N.E. Br. — (P)

Zingiber brevifolium N.E. Br., Gard. Chron. new series 26 (1886) 390. — Type: *W. Bull s.n.* (K).

Distribution — Philippines.

Zingiber bulusanense Elmer — (P)

Zingiber bulusanense Elmer, Leaf. Philipp. Bot. 8 (1919) 2993. — Type: *A.D.E. Elmer 15178* (syn BO!, FI!, G!, L!, U!), Sorsogon, Mt. Bulusan, Irosin, 16914 (syn BO!, FI!, G!, U!), Sorsogon, Mt. Bulusan, Irosin.

Distribution — Philippines.

Zingiber cassumunar Roxb. = *Zingiber montanum* (J. König) A. Dietr.

Zingiber chlorobracteatum Mood & Theilade — (A)

Zingiber chlorobracteatum Mood & Theilade, Nordic J. Bot. 19 (1999) 515. — Type: *J.D. Mood 799* (holo AAU), Trus Madi.

Distribution — Sabah.

Zingiber chryseum Ridl. = *Zingiber puberulum* var. *chryseum* (Ridl.) Holttum

Zingiber chrysostachys Ridl. — (A)

Zingiber chrysostachys Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 129. — Lectotype: *H.N. Ridley 5199* (SING, designated by Theilade, 1999), Perak.

Distribution — Peninsular Malaysia.

Zingiber citrinum Ridl. — (A)

Zingiber citrinum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 129. — Lectotype: *H.N. Ridley 7797a* (K!, designated by Theilade, 1998, isoelecto SING!), Selangor.

Distribution — Peninsular Malaysia.

Zingiber coloratum N.E. Br. — (A)

Zingiber coloratum N.E. Br., Gard. Chron. new series 12(293) (1879) 166. — Type: *F.W. Burbidge s.n.* (K), perhaps Sabah.

Distribution — Sabah.

Zingiber curtisii Holttum — (A)

Zingiber curtisii Holttum, Gard. Bull. Singapore 13 (1950) 54. — Type: *C. Curtis s.n.* (August 1898) (holo SING!), Perak.

Distribution — Peninsular Malaysia.

Zingiber eborinum Mood & Theilade — (A)

Zingiber eborinum Mood & Theilade, Sandakania 9 (1997) 21. — Type: *J.D. Mood 432* (holo SAN), Paling Paling Hills.

Distribution — Sabah.

Zingiber elatior (Ridl.) Theilade — (A)

Zingiber elatior (Ridl.) Theilade, Gard. Bull. Singapore 48 (1998) 227. — Basionym: *Zingiber gracile* var. *elatior* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 130. — Lectotype: *H.N. Ridley 9340* (SING!, designated by Theilade, 1998, isolecto K!), Penang Hill.

Distribution — Peninsular Malaysia.

Zingiber flagelliforme Mood & Theilade — (A)

Zingiber flagelliforme Mood & Theilade, Nordic J. Bot. 19 (1999) 517. — Type: *J.D. Mood 530* (holo SAN), Danum Valley Field Studies Centre.

Distribution — Sabah.

Zingiber flammeum Theilade & Mood — (A)

Zingiber flammeum Theilade & Mood, Sandakania 9 (1997) 24. — Type: *J.D. Mood 178* (holo SAN, iso AAU), Paling Paling Hills.

Distribution — Sabah.

Zingiber flavidum Ridl. = *Zingiber leptostachyum* Valetton

Zingiber fraseri Theilade — (A)

Zingiber fraseri Theilade, Gard. Bull. Singapore 48 (1998) 214. — Type: *I. Theilade 12* (holo AAU, iso K), Pahang, Bt. Fraser.

Distribution — Peninsular Malaysia.

Zingiber georgeae Mood & Theilade — (A)

Zingiber georgeae Mood & Theilade, Nordic J. Bot. 19 (1999) 521. — Type: *Lai Shak Teck 9100265* (holo SAR), Ulu Baleh, Kapit.

Distribution — Sarawak.

Zingiber gigantifolium Elmer = *Alpinia gigantifolia* (Elmer) R.M. Sm.

Zingiber gracile Jack — (A)

Zingiber gracile Jack, Descriptions of Malayan plants 1(1) (1820) 1. — Neotype: *C. Curtis s.n.* (April 1890) (designated by Theilade, 1998), Penang: *W. Jack s.n.*, (holo, specimen lost).

Distribution — Sumatra.

Notes — None of Jack's material survives so Theilade (1998, 231) cites *Curtis s.n.* as a lectotype. However, as Curtis's specimen is not part of Jack's material, it can only be a neotype, not a lectotype.

Zingiber gracile var. *aurantiacum* Holttum = *Zingiber aurantiacum* (Holttum) Theilade

Zingiber gracile var. *elatior* Ridl. = *Zingiber elatior* (Ridl.) Theilade

Zingiber gracile var. *petiolatum* Holttum = *Zingiber petiolatum* (Holttum) Theilade

Zingiber gramineum Noroña ex Blume — (P)

Zingiber gramineum Noroña ex Blume, Enum. pl. Javae (1827) 45. — Type: *Anon. s.n.* (U).

Distribution — Java.

Zingiber gramineum var. **validior** K. Schum. — (P)

Zingiber gramineum var. *validior* K. Schum., Pflanzenr. IV, 46 (1904) 175. — Type: *C.L. von Blume s.n.* (holo L), Banten.

Distribution — Java.

Zingiber griffithii Baker — (A)

Zingiber griffithii Baker, Fl. Brit. India 6 (1892) 246. — Lectotype: *W. Griffith 5731* (K, designated by Theilade, 1998), Malacca.

Distribution — Peninsular Malaysia.

Zingiber griffithii var. *major* Ridl. = *Zingiber puberulum* Ridl.

Zingiber incomptum B.L. Burtt & R.M. Sm. — (P)

Zingiber incomptum B.L. Burtt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 29 (1969) 152. — Type: C4328 (holo E!, iso L!).

Distribution — Sarawak.

Zingiber inflexum Blume — (P)

Zingiber inflexum Blume, Enum. pl. Javae (1827) 43. — Type: *Anon. s.n.*

Distribution — Java.

Zingiber kelabitanum Theilade & H. Chr. — (A)

Zingiber kelabitanum Theilade & H. Chr., Edinburgh J. Bot. 55 (1998) 239. — Type: *Apu & H. Christensen 313* (holo AAU), 4th Division, Bareo, near Pa Dalih.

Distribution — Sarawak.

Zingiber kelantanense C.K. Lim — (A)

Zingiber kelantanense C.K. Lim, Folia Malaysiana 4 (2003) 69. — Type: C.K. Lim L 6206 (holo KEP, iso BKF), Kelantan, Stong F.R.

Distribution — Peninsular Malaysia.

Zingiber kunstleri Ridl. — (A)

Zingiber kunstleri Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 127. — Type: *Illustration 00828* (holo SING!), Perak.

Distribution — Peninsular Malaysia.

Zingiber lambii Mood & Theilade — (A)

Zingiber lambii Mood & Theilade, Nordic J. Bot. 17 (1997) 339. — Type: *J.D. Mood 848* (holo SAN), Danum Valley.

Distribution — Sabah.

Zingiber latifolium Mood & Theilade — (A)

Zingiber latifolium Mood & Theilade, Nordic J. Bot. 17 (1997) 343. — Type: *J.D. Mood 163A* (holo SAN), Crocker Range.

Distribution — Sabah.

Zingiber leptostachyum Valeton — (A)

Zingiber leptostachyum Valeton, Icon. Bogor. 3 (1908) t. 275. — Type: *A.W. Nieuwenhuis s.n.* (holo BO), Kalimantan.

Zingiber flavidum Ridl., J. Straits Branch Roy. Asiat. Soc. 54 (1910) 58. — Type: *J. Hewitt s.n.* (October 1907) (holo K!).

Distribution — Sarawak, Kalimantan.

Zingiber littorale (Valeton) Valeton — (P), see *Zingiber zerumbet* var. *littoralis* Valeton

Distribution — Java.

Zingiber loerzingii Valeton — (P)

Zingiber loerzingii Valeton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 146. — Type: *J.A. Lörzing s.n.* (holo BO), Sibaulangit.

Distribution — Sumatra.

Zingiber longibracteatum Theilade — (A)

Zingiber longibracteatum Theilade, Nordic J. Bot. 19 (1999) 408. — Type: *J.F. Maxwell 75-878* (holo AAU, iso L), Khao Chong National Park.

Zingiber mythianum C.K. Lim, Folia Malaysiana 2 (2001) 37. — Type: *Hamid & C.K. Lim L4455* (holo KEP, iso SING!), Perlis.

Distribution — Peninsular Malaysia.

Zingiber longipedunculatum Ridl. — (A)

Zingiber longipedunculatum Ridl., J. Straits Branch Roy. Asiat. Soc. 50 (1908) 149. — Type: *J. Hewitt s.n. (1907)* (holo K).

Distribution — Sarawak, Kalimantan.

Zingiber macradenia K. Schum. — (P)

Zingiber macradenia K. Schum., Bot. Jahrb. Syst. 27 (1899) 269. — Type: *O. Beccari s.n. (September 1878)* (holo FI!), West Sumatra.

Distribution — Sumatra.

Zingiber macrocephalum (Zoll.) K. Schum. — (P), see *Donacodes macrocephala* Zoll.

Distribution — Java.

Zingiber macroglossum Valetton — (P)

Zingiber macroglossum Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 147. — Type: *J.A. Lörzing 5235* (holo BO!, iso L!), North Sumatra, Sibulangit.

Distribution — Sumatra.

Zingiber macrorrhynchus K. Schum. — (A)

Zingiber macrorrhynchus K. Schum., Pflanzenr. IV, 46 (1904) 176. — Type: *F.B. Forbes 1756 A*.

Distribution — Sumatra.

Zingiber malaysianum C.K. Lim — (A)

Zingiber malaysianum C.K. Lim, Folia Malaysiana 3 (2002) 27. — Type: *C.K. Lim L2843* (holo KEP), Johore.

Distribution — Peninsular Malaysia.

Zingiber martinii R.M. Sm. — (P)

Zingiber martinii R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 45 (1989) 418. — Type: *B.L. Burt & A.M. Martin B 5302* (holo E!), Sarawak.

Distribution — Sarawak.

Zingiber matutumense Mood & Theilade — (A)

Zingiber matutumense Mood & Theilade, Nordic J. Bot. 21 (2001) 130. — Type: *T. Hepton W83P754* (holo AAU), Mount Matutum.

Distribution — Philippines.

Zingiber molle Ridl. — (P)

Zingiber molle Ridl., Philipp. J. Sci., C 4 (1909) 168. — Type: *H.McC. Curran 4914* (syn), A.D.E. Elmer 9843 (syn BO!, FI!, G!, K), Negros Oriental, Cuernos Mts., Dumaguete, Forest Bureau

4886 (syn), Benguet, Baguio, *F.W. Foxworthy 1985* (syn), Pampanga, Mt. Abu, *E.D. Merrill 4843* (syn SING!), Benguet, Mt. Tonglon.

Distribution — Philippines.

Notes — *Elmer 9843* is also the type of *Zingiber sylvaticum* Elmer.

Zingiber montanum (J. König) A. Dietr. — (A)

Zingiber montanum (J. König) A. Dietr., Sp. pl. 6 1 (1831) 52. — Basionym: *Amomum montanum* J. König, Observ. bot. 3 (1783) 51. — Type: *J.G. König s.n.* (holo C!), Phuket.

Zingiber purpureum Roscoe, Trans. Linn. Soc. London 8 (1807) 348. — Type: Material not located.

Zingiber cassumunar Roxb., Asiat. Res. 11 (1810) 347. *Amomum cassumunar* (Roxb.) Donn, Hort. cantabrig. ed. 7 (1812) 1. — Type: Material not located.

Distribution — Sarawak.

Zingiber multibracteatum Holttum — (A)

Zingiber multibracteatum Holttum, Gard. Bull. Singapore 13 (1950) 57. — Type: *E.J.H. Corner SFN 33174* (holo SING!, iso BO!, L!), Pahang.

Distribution — Peninsular Malaysia.

Zingiber multibracteatum var. **viride** Holttum — (A)

Zingiber multibracteatum var. *viride* Holttum, Gard. Bull. Singapore 13 (1950) 58. — Type: *R.E. Holttum s.n. (August 1946)* (holo SING), Pahang.

Distribution — Peninsular Malaysia.

Zingiber mythianum C.K. Lim = *Zingiber longibracteatum* Theilade

Zingiber neglectum Valetton — (P)

Zingiber neglectum Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 13. — Type: *Anon. s.n.* (holo BO!), West Java, Gunung Salak.

Distribution — Java.

Zingiber negrosense Elmer — (P)

Zingiber negrosense Elmer, Leaf. Philipp. Bot. 8 (1915) 2917. — Type: *A.D.E. Elmer 10421* (iso BO!, C!, FI!, G!, L!, U!), Negros Oriental, Cuernos Mts., Dumaguete.

Distribution — Philippines.

Zingiber nigrum Gaertn. = *Alpinia nigra* (Gaertn.) B.L. Burt

Zingiber odoriferum Blume — (A)

Zingiber odoriferum Blume, Enum. pl. Javae (1827) 44. — Type: *H. Kuhl & J.C. van Hasselt s.n.* (holo L!), Java.

Zingiber aquosum Noroña, *nomen nudum*, Verh. Batav. Genootsch. Kunsten 5(4) (1790) 28.

Zingiber aquosum Blume, Enum. pl. Javae (1827) 43. — Type: *J.C. van Hasselt s.n.* (holo L), Java.

Zingiber pachystachys Valetton, Bull. Jard. Bot. Buitenzorg 2 27 (1918) 147. — Type: *S.H. Koorders s.n.* (BO).

Distribution — Java.

Zingiber officinale Roscoe — (A)

Zingiber officinale Roscoe, Trans. Linn. Soc. London 8 (1807) 348. — *Amomum zingiber* L., Sp. pl. 1 (1753) 1. *Zingiber blancoi* Hassk., Flora 22 (1864) 20. — Type: No specimen at LINN or in Herb. Cliff. (BM).

Distribution — Widely cultivated.

Notes — IPNI lists *Amomum zingiber* Blanco. However, Blanco simply records the occurrence of *Amomum zingiber* L. (= *Zingiber officinale* Roscoe) in the Philippines. According to Merrill in Species Blancoanae, *Zingiber blancoi* Hassk. is typified on the description of *Amomum zingiber* in Blanco's Fl. Filip. (1837) 2.

Zingiber officinale var. **rubrum** Theilade — (A)

Zingiber officinale var. *rubrum* Theilade, Gard. Bull. Singapore 48 (1998) 218. — Type: *I. Theilade* 66 (holo SAN), Kota Kinabalu.

Distribution — Sabah (cultivated).

Zingiber ottensii Valetton — (A)

Zingiber ottensii Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 136. — Lectotype: *A. Ottens* 676 (L, designated by Theilade, 1998, isolecto BO!, SING!).

Distribution — Java.

Zingiber ovoideum Blume — (P)

Zingiber ovoideum Blume, Enum. pl. Javae (1827) 43. — Type: *Anon. s.n.*

Distribution — Java.

Zingiber pachysiphon B.L. Burt & R.M. Sm. — (P)

Zingiber pachysiphon B.L. Burt & R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 29 (1969) 154. — Type: *B.L. Burt & A.M. Martin B 4781* (holo E!), Hose Mountains.

Distribution — Sarawak.

Zingiber pachystachys Valetton = *Zingiber odoriferum* Blume

Zingiber papuanum Valetton — (P)

Zingiber papuanum Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 135. — Type: *Anon. s.n.* (*HB XI B6 3*) (syn BO), *Anon. s.n.* (*HB XI B6 33*) (syn BO), *Anon. s.n.* (*HB XI B6 36*) (syn BO).

Distribution — Papua New Guinea.

Zingiber pendulum Mood & Theilade — (A)

Zingiber pendulum Mood & Theilade, Nordic J. Bot. 17 (1997) 342. — Type: *J.D. Mood 425* (holo SAN), Gunung Alab.

Distribution — Sabah.

Zingiber peninsulare Theilade — (A)

Zingiber peninsulare Theilade, Nordic J. Bot. 19 (1999) 401. — Type: *R. Geesink & T. Santisuk 4964* (holo L), Ranong.

Distribution — Thailand.

Zingiber petiolatum (Holttum) Theilade — (A)

Zingiber petiolatum (Holttum) Theilade, Gard. Bull. Singapore 48 (1998) 232. — Basionym: *Zingiber gracile* var. *petiolatum* Holttum, Gard. Bull. Singapore 13 (1950) 64. — Type: *E.J.H. Corner SFN 31570* (holo SING!, iso L!), Kedah.

Distribution — Peninsular Malaysia.

Zingiber phillippisae Mood & Theilade — (A)

Zingiber phillippisae Mood & Theilade, Nordic J. Bot. 19 (1999) 520. — Type: *J.D. Mood 398* (holo AAU), Crocker Range.

Distribution — Sabah.

Zingiber porphyrosphaerum K. Schum. — (P)

Zingiber porphyrosphaerum K. Schum., Pflanzenz. IV, 46 (1904) 175. — Type: *G.D. Haviland 442* (K), 2nd Division, Sibü.

Distribution — Sarawak.

Zingiber pseudopungens R.M. Sm. — (P)

Zingiber pseudopungens R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 45 (1989) 413. — Type: *W.L. Chew, E.J.H. Corner & J.D.A. Stainton 1710* (holo K), Mt. Kinabalu.

Distribution — Sabah.

Zingiber puberulum Ridl. — (A)

Zingiber puberulum Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 131. — Lectotype: *H.N. Ridley s.n. (June 1894)* (K, designated by Theilade, 1998), Singapore.

Zingiber griffithii var. *major* Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 132. — Lectotype: *H.N. Ridley 9820* (SING!, designated by Turner, 2000), Perak.

Distribution — Peninsular Malaysia, Singapore.

Zingiber puberulum var. *borneense* R.M. Sm. — (A)

Zingiber puberulum var. *borneense* R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 45 (1988) 419. — Type: *C8005* (holo E!), Hose Mountains.

Distribution — Sarawak.

Zingiber puberulum var. *chryseum* (Ridl.) Holttum — (A)

Zingiber puberulum var. *chryseum* (Ridl.) Holttum, Gard. Bull. Singapore 13 (1950) 62. — Basionym: *Zingiber chryseum* Ridl., J. Straits Branch Roy. Asiat. Soc. 50 (1908) 149. — Type: *H.N. Ridley 13330* (holo SING!), Singapore.

Distribution — Singapore.

Zingiber puberulum var. **ovoideum** Holttum — (A)

Zingiber puberulum var. *ovoideum* Holttum, Gard. Bull. Singapore 13 (1950) 63. — Lectotype: *H.N. Ridley s.n. (August 1891)* (SING, designated by Theilade, 1998), Pahang.

Distribution — Peninsular Malaysia.

Zingiber pubisquama Ridl. — (P)

Zingiber pubisquama Ridl., Philipp. J. Sci., C 4 (1909) 169. — Type: *M.S. Clemens 1163a* (holo K!), Mindanao.

Distribution — Philippines.

Zingiber purpureum Roscoe = *Zingiber montanum* (J. König) A. Dietr.

Zingiber raja C.K. Lim & Kharuk. — (A)

Zingiber raja C.K. Lim & Kharuk., Folia Malaysiana 4 (2003) 69. — Type: *C.K. Lim L 6371* (holo KEP, iso BKF), Perak, Belum F.R.

Distribution — Peninsular Malaysia.

Zingiber spectabile Griff. — (A)

Zingiber spectabile Griff., Not. pl. asiat. 3 (1851) 413. — Lectotype: *W. Griffith 5762* (K, designated by Theilade, 1998), Malacca.

Distribution — Peninsular Malaysia.

Zingiber stenostachys K. Schum. — (A)

Zingiber stenostachys K. Schum., Pflanzenz. IV, 46 (1904) 175. — Type: *P.W. Korthals s.n.* (iso L!).

Distribution — Kalimantan.

Zingiber sulphureum Burkill ex Theilade — (A)

Zingiber sulphureum Burkill ex Theilade, Bot. Mag. 12 (1995) 75. — Type: *M. Haniff & Hj. M. Nur bin Mohamed Ghose SFN 8016* (holo K, iso BO!, SING!), Pahang.

Distribution — Peninsular Malaysia.

Zingiber sylvaticum Elmer — (P)

Zingiber sylvaticum Elmer, Leaf. Philipp. Bot. 8 (1915) 2919. — Type: *A.D.E. Elmer 9843* (iso FI!, G!, K), Negros Oriental, Cuernos Mts., Dumaguete.

Distribution — Philippines.

Notes — *Elmer 9843* is also a syntype of *Zingiber molle* Ridl.

Zingiber vanlithianum Koord. — (P)

Zingiber vanlithianum Koord., Bull. Jard. Bot. Buitenzorg ser. 3, 1 (1919) 188. — Type: *S.H. Koorders 42910*.

Distribution — Java.

Zingiber velutinum Mood & Theilade — (A)

Zingiber velutinum Mood & Theilade, Nordic J. Bot. 19 (1999) 519. — Type: *J.D. Mood 999* (holo SAN, iso AAU), Ulu Senogang.

Distribution — Sabah.

Zingiber vinosum Mood & Theilade — (A)

Zingiber vinosum Mood & Theilade, Nordic J. Bot. 17 (1997) 337. — Type: *A. Gambating SAN 90413* (holo K), Sepilok Forest Reserve.

Distribution — Sabah.

Zingiber viridiflavum Mood & Theilade — (A)

Zingiber viridiflavum Mood & Theilade, Nordic J. Bot. 19 (1999) 514. — Type: *J.D. Mood 342* (holo AAU), Crocker Range.

Distribution — Sabah.

Zingiber wrayi Ridl. — (A)

Zingiber wrayi Ridl., J. Straits Branch Roy. Asiat. Soc. 41 (1904) 31. — Type: *L. Wray 3735* (holo SING), Perak.

Distribution — Peninsular Malaysia.

Zingiber wrayi var. **halabala** C.K. Lim — (P)

Zingiber wrayi var. *halabala* C.K. Lim, Folia Malaysiana 2 (2001) 50. — Type: *Hj. M. Nur bin Mohamed Ghose 18569* (holo SING), Pahang.

Distribution — Peninsular Malaysia.

Zingiber zerumbet (L.) Sm. — (A)

Zingiber zerumbet (L.) Sm., Exot. Bot. 2 (1807) 105, t. 112. — Basionym: *Amomum zerumbet* L., Sp. pl. 1 (1753) 1. — *Zerumbet zingiber* T. Lestib., Ann. Sci. Nat. Bot. 15 (1841) 329. — Type: No specimen at LINN or in Herb. Cliff. (BM).

Amomum spurium (J. König) J.F. Gmel., Syst. nat. 1 (1791) 6. — *Cardamomum spurium* (J. König) Kuntze, Revis. gen. pl. 2 (1891) 687. — Type: Material not located.

Zingiber truncatum Stokes, Bot. mat. med. 1 (1812) 68. — Type: Material not located.

Amomum silvestre Poir. (“sylvestre”), Encycl. suppl. 5 (1817) 548. — Type: Material not located.

Zingiber amaricans Blume, Enum. pl. Javae (1827) 43. — Type: *C.L. von Blume s.n.* (holo L!).

Zingiber aromaticum Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 131. — Type: *K. Heyne 38* (L!).

Distribution — Java.

Zingiber zerumbet var. **littoralis** Valetton — (P)

Zingiber zerumbet var. *littoralis* Valetton, Icon. Bogor. 3 (1907) t. 250. — Combination: *Zingiber littorale* (Valetton) Valetton, Bull. Jard. Bot. Buitenzorg, ser. 2, 27 (1918) 135. — Type: *T. Valetton s.n.* (BO).

Distribution — Java.

Zingiber zerumbet var. **magnum** Elmer — (P)

Zingiber zerumbet var. *magnum* Elmer, Leaflet Philipp. Bot. 8 (1919) 2992. — Type: A.D.E. Elmer 14317 (iso BO!, G!, L!, U!), Sorsogon, Mt. Bulusan, Irosin.

Distribution — Philippines.

NOTE ADDED IN PROOF

As we went to proof, Sakai & Nagamasu (2003) published the fourth in their series of papers on gingers at Lambir Hills, Sarawak. Whilst we have included their new names and combinations, we failed to spot some changes in synonymy under *Etilingera*. Corrected entries for three species follow but note that entries for synonyms in the main body of the checklist will now be wrong. *Nostra maxima culpa!*

Etilingera coccinea (Blume) S. Sakai & Nagam. — (A)

Etilingera coccinea (Blume) S. Sakai & Nagam., Edinburgh J. Bot. 60 (2003) 190. — Basionym: *Elettaria coccinea* Blume, Enum. pl. Javae (1827) 53. — *Geanthus coccineus* Reinw., nom. nud., Catalogus (1823) 29. — *Alpinia coccinea* (Blume) D. Dietr., Syn. pl. 1 (1839) 12. — *Cardamomum coccineum* (Blume) Kuntze, Revis. gen. pl. 2 (1891) 686. — *Amomum coccineum* (Blume) K. Schum., Bot. Jahrb. Syst. 27(3) (1899) 305. — *Achasma coccineum* (Blume) Valetton, Bull. Inst. Bot. Buitenzorg 20 (1904) 93. — Lectotype: *H. Kuhl* & *J.C. van Hasselt s.n.* (L!, designated by Sakai & Nagamasu, 2003), Java.

Achasma macrocheilos Griff., Not. pl. asiat. 3 (1851) 429. — *Amomum macrocheilos* (Griff.) Baker, Fl. Brit. India 6 (1892) 235. — *Hornstedtia macrocheilos* (Griff.) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 147. — Type: *W. Griffith s.n.*

Amomum gomphocheilos Baker, Fl. Brit. India 6 (1892) 236. — Type: *H.H. Kunstler 1897* (holo K!), Perak.

Distribution — Peninsular Malaysia, Sarawak, Java.

Etilingera littoralis (J. König) Giseke — (A)

Etilingera littoralis (J. König) Giseke, Prael. ord. nat. pl. (1792) 209, 229, 251. — Basionym: *Amomum littorale* J. König, Observ. bot. 3 (1783) 52. — *Cardamomum littorale* (J. König) Kuntze, Revis. gen. pl. 2 (1891) 686. — Type: *J.G. König s.n.*, specimen lost.

Achasma megalocheilos Griff., Not. pl. asiat. 3 (1851) 426. — *Amomum megalocheilos* (Griff.) Baker, Fl. Brit. India 6 (1892) 236. — *Hornstedtia megalocheilos* (Griff.) Ridl., J. Straits Branch Roy. Asiat. Soc. 32 (1899) 146. — Type: *W. Griffith s.n.* (holo K), Malacca.

Amomum rubroluteum Baker, Fl. Brit. India 6 (1892) 236. — *Etilingera rubrolutea* (Baker) C.K. Lim, Folia Malaysiana 2(3) (2001) 157. — Type: *A.C. Maingay 1588* (holo K!), Malacca.

Distribution — Peninsular Malaysia.

Etilingera punicea (Roxb.) R.M. Sm. — (A)

Etilingera punicea (Roxb.) R.M. Sm., Notes Roy. Bot. Gard. Edinburgh 43(2) (1986) 249. — Basionym: *Alpinia punicea* Roxb., Fl. ind. 1 (1820) 71. — *Elettaria punicea* (Roxb.) Schult., Mant. I (1822) 24. — *Hornstedtia punicea* (Roxb.) K. Schum., Pflanzenr. IV 46 (1904) 197. — *Achasma puniceum* (Roxb.) Loes., Notizbl. Bot. Gart. Berlin-Dahlem 10 (1927) 62. — Lectotype: *Icones Roxburghianae 2007* (K, designated by Smith, 1986), Sumatra.

Distribution — Sumatra.

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