

## Two New Names and Two New Combinations in Malesian Annonaceae

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### Abstract

Two later homonyms in *Polyalthia* are provided with new names: *Polyalthia sinclairiana* I.M.Turner replaces *P. macropoda* King and *Polyalthia dolichopoda* I.M.Turner replaces *P. tenuipes* Merr. (1922, *non* Merr. 1912). The combination *Dasymaschalon dasymaschalum* (Blume) I.M.Turner, which is not a tautonym under the current code, is made. It replaces the superfluous *Dasymaschalon blumei* Finet & Gagnep. A new combination for *Dasymaschalon dasymaschalum* var. *wallichii* is also made. Lectotypes are proposed for *Polyalthia macropoda* King, *Polyalthia tenuipes* Merr. (1922), and *Unona dasymaschala* Blume var. *wallichii* Hook. f. & Thomson.

### A new name for *Polyalthia macropoda* King

*Polyalthia macropoda* King is a cauliflorous tree species widely distributed in the Malay Peninsula. Unfortunately the name is a later homonym, having already been used for a species from New Guinea. A new name is therefore proposed and it is fitting to honour James Sinclair, whose revision of the Annonaceae of the Malay Peninsula (Sinclair 1955) has proved seminal.

### ***Polyalthia sinclairiana*** I.M. Turner, *nom. nov.*

*Pro Polyalthia macropoda* King (*non* (Miq.) F. Muell.), J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 61 (1892) 60. **Type:** King's Collector, Perak (*King's Collector 4279*, **lectotype nov.**, designated here, K!; isolectotype, BM!).

### A new name for *Polyalthia tenuipes* Merr.

*Polyalthia tenuipes* Merr. is a distinctive and quite widely collected Bornean species. Unfortunately Merrill coined the name for this species having already used the same binomial for a different species from the Philippines. It is therefore necessary to propose a new name for the Bornean species.

### ***Polyalthia dolichopoda*** I.M. Turner, *nom. nov.*

*Pro Polyalthia tenuipes* Merr. (*non* Merr., Philipp. J. Sci., C. 7 (1912) 269), J. Straits Branch Roy. Asiat. Soc. 85 (1922) 184. **Type:** Sabah, near Sandakan, *M.*

*Ramos 1501* (holotype, PNH destroyed; isotype, SAN destroyed; **lectotype nov.**, designated here, K!; isolectotype, US).

### **New combinations in *Dasymaschalon***

Presumably Finet and Gagnepain, when they published the name *Dasymaschalon blumei* for *Unona dasymaschala* Blume, did so in the belief that the combination *Dasymaschalon dasymaschalum* would be a tautonym and thus illegitimate. However, as recent edition of the International Code of Botanical Nomenclature (Art. 23.4) states: 'The specific epithet ... may not exactly repeat the generic name (such repetition would result in a tautonym).' Therefore *Dasymaschalon dasymaschalum* is not a tautonym because the repeat between generic name and specific epithet is not exact. An analogous case (Art. 14, Ex. 1) is *Lycopersicon lycopersicum* (L.) H. Karsten, which is not a tautonym. This combination, however, had to be formally rejected to avoid replacement of the widely used name for the tomato, *Lycopersicon esculentum* Mill. The legitimacy of *Dasymaschalon dasymaschalum* makes *Dasymaschalon blumei* Finet & Gagnep. a superfluous renaming of *Unona dasymaschala* Blume. Below I formally make the new combination for *Unona dasymaschala* in *Dasymaschalon*. *Dasymaschalon blumei* could be revived either through a change of the ICBN code by widening the definition of tautonym, or a formal rejection of the new combination proposed below based on other justifications.

***Dasymaschalon dasymaschalum*** (Blume) I.M. Turner, *comb. nov.*

**Basionym:** *Unona dasymaschala* Blume, Fl. Javae Anonaceae 23-24 (1830) 55, t. 27. **Type:** Java, *Blume s.n.* [lectotype designated by Nurmawati (2003), L (barcode: L0186230); isolectotype, BO].

**Homotypic synonyms:** *Dasymaschalon blumei* Finet & Gagnep., Bull. Soc. Bot. France 53, Mémoire 4 (1906) 143, *nom. superfl.*

-*Desmos dasymaschalus* (Blume) Safford, Bull. Torrey Bot. Club 39 (1912) 507.

-*Unona dasymaschala* var. *blumei* Hook.f. & Thomson, Fl. Ind. 1 (1855) 135, *nom. inval.*

**Heterotypic synonyms:** *Unona coelophloea* Scheff., Flora 52 (1869) 300; -*Dasymaschalon coelophloeum* (Scheff.) Merr., Philipp. J. Sci., C. 10(4) (1915) 237.

-*Unona cleistogama* Burck ex Boerl., Icon. Bogor. 1 (1899) 127; *Dasymaschalon cleistogamum* (Burck ex Boerl.) Merr., Philipp. J. Sci., C. 10(4) (1915) 237.

***Dasymaschalon dasymaschalum*** (Blume) I.M.Turner var. ***wallichii*** (Hook.f. & Thomson) I.M.Turner, *comb. nov.*

**Basionym:** *Unona dasymaschala* Blume var. *wallichii* Hook.f. & Thomson, Fl. Ind. 1 (1855) 135. Type: Singapore, *Wallich catalogue 6421A* (**lectotype nov.**, designated here, K-WALL!).

**Homotypic synonyms:** *Desmos dasymaschalus* (Blume) Safford var. *wallichii* (Hook.f. & Thomson) Ridl., Fl. Malay. Penins. 1 (1922) 47; *Dasymaschalon blumei* Finet & Gagnep. var. *wallichii* (Hook.f. & Thoms.) Bân, Bot. Zhurn. 60 (1975) 228.

### Acknowledgements

Prof. Simon Owens is thanked for permitting access to the facilities of the herbarium and library at the Royal Botanic Gardens Kew. Dr J.F. Veldkamp (L) provided helpful comments on a draft of this paper.

### References

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