



## Notes on Malesian *Fabaceae* (*Leguminosae-Papilionoideae*)

### 20. The genus *Brachypterum*

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#### Key words

*Brachypterum*  
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*Solori*

**Abstract** The history of the conservation of *Brachypterum* against *Solori* is briefly reviewed. Five new combinations in *Brachypterum* are made.

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#### INTRODUCTION

The genus *Brachypterum* (Wight & Arn.) Benth. was originally described as *Dalbergia* L. subg. *Brachypterum* Wight & Arn. (1834). As genus it was accepted by Bentham (1837, 1852), Miquel (1855) and Geesink (1984a). Earlier, Adanson (1763) described the genus *Solori* on the plate and description of *Noel valli* of Van Rheede tot Drakestein (1686). However, this genus name was never used and no species was ever based on it. Geesink (1984b) proposed to conserve the name *Brachypterum* against *Solori*. The Nomenclature Committee for Vascular Plants (NCVP) decided not to recommend *Brachypterum* for conservation (Brummitt 1987: 739). Sirichamorn et al. (2012), in a study on the phylogeny of *Derris*-like taxa based on chloroplast and nuclear DNA sequences, showed that the genus *Brachypterum* is distinct from the genera *Derris* Lour. and *Paraderris* (Miq.) R. Geesink. Again Sirichamorn et al. (2013) proposed to conserve *Brachypterum* against *Solori*. Also, this time the NCVP decided not to recommend *Brachypterum* for conservation (Applequist 2013: 1324). Consequently, Sirichamorn et al. (2014) synonymized *Brachypterum* with *Solori*. However, the General Committee of the IAPT in their review of proposals objected against the argumentation and asked the NCVP to reconsider the proposal. The NCVP discussed the proposal again and decided to recommend *Brachypterum* for conservation (Applequist 2017: 502). The nomenclatural session before the Botanical Congress in China, 2017, accepted the recommendation. *Brachypterum* is now a conserved name against *Solori*.

#### TAXONOMY

As a consequence of the decision to conserve *Brachypterum* several changes are needed for the treatment of the genus for Flora Malesiana. The name *Solori*, now rejected, is added to

the synonymy of *Brachypterum* and several new combinations in *Brachypterum* are made.

#### *Brachypterum* (Wight & Arn.) Benth.

*Brachypterum* (Wight & Arn.) Benth. (1837) 37, nom. cons.; (1852) 251, p.p.; Miq., (1855) 138; R. Geesink (1984a) 80. — *Dalbergia* L.f. subg. *Brachypterum* Wight & Arn. (1834) 264. — *Derris* Lour. sect. *Brachypterum* (Wight & Arn.) Benth. (1860) 101; Baker (1879) 240; Thoth. (1961) 175; R. Geesink (1981) 256. — *Deguelia* Aubl. sect. *Brachypterum* (Wight & Arn.) Taub. (1894) 345. — Type: *Brachypterum scandens* (Roxb.) Miq.  
*Solori* Adans. (1763) 327, nom. rej.; Sirich. et al. (2014) 522. — Type: Van Rheede, Hortus Malabaricus 6 (1686) 39, t. 22, 'Noel valli' (= *Brachypterum scandens* (Roxb.) Miq.).

#### NEW COMBINATIONS

##### 1. *Brachypterum cumingii* (Benth.) Adema & Sirich., *comb. nov.*

*Derris cumingii* Benth. (1860) 104; Merr. (1923) 299. — *Deguelia cumingii* (Benth.) Taub. (1891) 386. — *Pterocarpus cumingii* (Benth.) Kuntze (1891) 203. — Lectotype (designated here): *Cuming 1208* (lecto K000898356; isolecto K, L, MO), Philippines.

##### 2. *Brachypterum koolgibberah* (F.M. Bailey) Adema & Sirich., *comb. nov.*

*Derris koolgibberah* F.M. Bailey (1884) 38; Merr. & L.M. Perry (1942) 403; Verdc. (1978) 469; (1979) 321; Adema (2003) 401. — Lectotype (designated here): *F.M. Bailey s.n.* (lecto BRI n.v.; isolecto K), Australia, Queensland, Mulgrave River.

##### 3. *Brachypterum philippinensis* (Merr.) Adema & Sirich., *comb. nov.*

*Derris philippinensis* Merr. (1910) 104. — *Derris multiflora* Benth. var. *longifolia* Benth. (1860) 108; Merr. (1923) 300. — *Solori philippinensis* (Merr.) Sirich. & Adema (in Sirichamorn et al. 2014) 533. — Lectotype (designated by Sirich. & Adema in Sirichamorn et al. 2014): *Cuming 1162* (holo PNH lost; iso E, L), Philippines, Luzon.

**Note** — *Derris multiflora* var. *longifolia* is based on the same specimen that is selected as lectotype of *Brachypterum philippinensis*.

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**4. *Brachypterum pseudoinvoluta* (Verdc.) Adema & Sirich.,  
comb. nov.**

*Derris koolgibberah* F.M.Bailey subsp. *pseudoinvoluta* Verdc. (1978) 469; (1979) 322. — *Derris pseudoinvoluta* (Verdc.) Adema (2000) 11; (2003) 402. — *Solori pseudoinvoluta* (Verdc.) Sirich. & Adema in Sirich. et al. (2014) 533. — Type: *NGF (Womersley) 15395* (holo K; iso L, Lae), Papua New Guinea, Lae.

**5. *Brachypterum submontana* (Verdc.) Adema & Sirich.,  
comb. nov.**

*Derris montana* Verdc. (1978) 465; (1979) 326. — Type: *Clemens 8162* (holo B; iso A, L), Papua New Guinea, Morobe district, Sattelberg, Boana.

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