

## A new tribe, novel and resurrected genera, and new species in Araceae

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A new tribe, 4 new genera, two resurrected genera and 19 novel species were described between 2008 – 2010 based on a combination of vegetative and reproductive morphology and molecular analyses.

### Philonotieae - a new tribe

A new Neotropical tribe of Araceae: Aroideae, Philonotieae S.Y.Wong & P.C.Boyce, was published. Philonotieae is sister to Crytrocoryneae + Palaeotropical Schismatoglottideae, with these three tribes comprising the Schismatoglottid Alliance. *Philonotion* Schott is resurrected, based on the type *P. spruceanum*, and two additional species of Neotropical *Schismatoglottis* were transferred to *Philonotion*. The genus *Philonotion* is currently considered to be the only genus of Philonotieae, with the tribe basal to the rest of the alliance.

### New and resurrected genera

*Hestia* S.Y.Wong & P.C.Boyce was described as a new genus from Sarawak, typified by *Hestia longifolia* (Ridl.) S.Y.Wong & P.C.Boyce ( $\equiv$  *Schismatoglottis longifolia* Ridl.). In addition, based on combined molecular and morphological analyses the genus *Apoballis* Schott was resurrected. *Pichinia* S.Y.Wong & P.C.Boyce was described as a new genus from Sarawak, with one species, *Pichinia disticha* S.Y.Wong & P.C.Boyce. This genus is, so far, known only from the type locality on limestone close to the Kalimantan border.

*Schottarum* P.C.Boyce & S.Y.Wong and *Bakoa* P.C.Boyce & S.Y.Wong were described as new genera from Sarawak, each with one species: *Schottarum sarikeense* (Bogner & M.Hotta) P.C.Boyce & S.Y.Wong based upon *Schismatoglottis sarikeensis* (Bogner & M.Hotta) Bogner & A.Hay and *Bakoa lucens* (Bogner) P.C.Boyce & S.Y.Wong based upon *Piptospatha lucens* (Bogner) Bogner & A.Hay. *Bakoa* is endemic to Bako N.P.

New species *Schismatoglottis clausula* S.Y.Wong, *S. dulosa* S.Y.Wong, and *S. jitinae* S.Y.Wong, are new taxa belonging to the Borneo-endemic Multiflora Group *sensu* Hay and Yuzammi.

In a revision of the *Schismatoglottis nervosa* Ridl. species complex, seven taxa novel and mostly locally

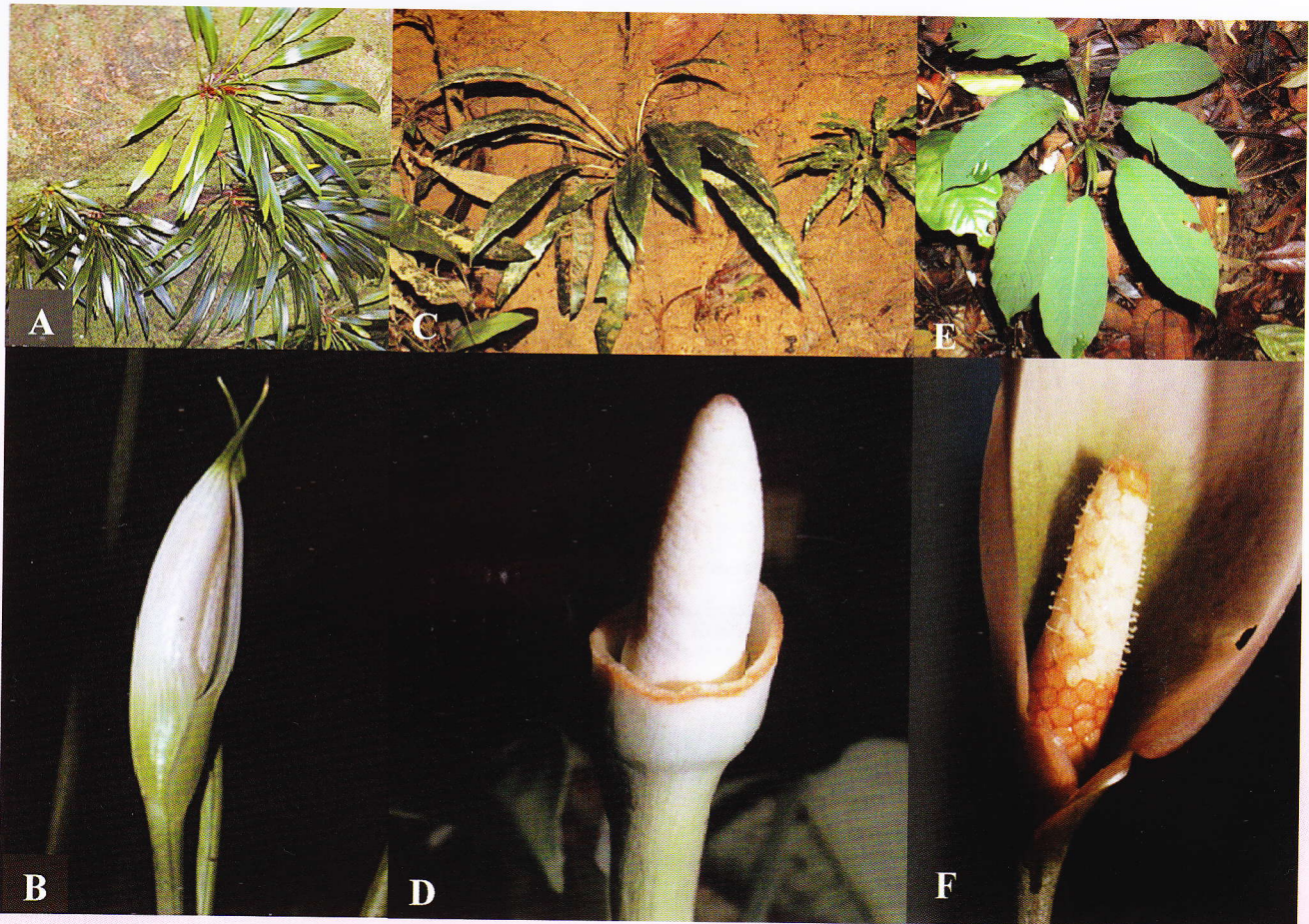
endemic taxa are described (*Schismatoglottis adoceta* S.Y.Wong, *S. linae* S.Y.Wong, *S. matangensis* S.Y.Wong, *S. simonii* S.Y.Wong, *S. tessellata* S.Y.Wong, *S. turbata* S.Y.Wong, and *S. ulusarikeiensis* S.Y.Wong.)



*Hestia longifolia* (Ridl.) S.Y.Wong & P.C.Boyce. A. Plant in habitat on podsol. B. The diagnostic nodding inflorescences, the inflorescence to the left at female anthesis.

Fieldwork targeting indigenous *Homalomena* at Nanga Sumpa, part of the Batang Ai drainage system (Sri Aman Division, Sarawak) has to date revealed in excess of 20 species, of which six novelties are so far described:

*Homalomena atrox* P.C.Boyce, S.Y.Wong & Fasihuddin B. Ahmad, *H. clandestina* P.C.Boyce, S.Y.Wong & Fasihuddin B. Ahmad, *H. hanneae* P.C.Boyce, S.Y.Wong & Fasihuddin B. Ahmad, *H. sengkenyang* P.C.Boyce, S.Y.Wong & Fasihuddin B. Ahmad, *H. symplocarpifolia* P.C.Boyce, S.Y.Wong & Fasihuddin B. Ahmad, and *H. vivens* P.C.Boyce, S.Y.Wong & Fasihuddin B. Ahmad.



A-B. *Bakoa lucens* (Bogner) S.Y.Wong & P.C.Boyce. Note the spathe barely opens. C-D. *Pichinia disticha* S.Y.Wong & P.C.Boyce, type locality on liemstone. E-F. *Schottarum sarikeense* (Bogner) S.Y.Wong & P.C.Boyce, inflorescence at male anthesis, with the thecae horns extended.

In the review of *Piptospatha elongata* (Engl.) N.E. Br. in Sarawak, it was shown that the species comprises three morphologically and ecologically distinct taxa, two of which are new to science and have described as *Piptospatha impolita* S.Y.Wong, P.C.Boyce & Bogner and *P. viridistigma* S.Y.Wong, P.C.Boyce & Bogner. The latter is a limestone obligate.

*Schismatoglottis confinis* S.Y.Wong & P.C.Boyce was described and illustrated as a new species closely related to *Schismatoglottis bauensis* A.Hay & C.Lee.

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