

Pajaree Inthachub 2008: Taxonomic Revision on the family Stemonaceae in Thailand. Master of Science (Botany), Major Field: Botany, Department of Botany. Thesis Advisor: Associate Professor Srunya Vajrodaya, Dr.rer.nat. 114 pages.

A taxonomic revision on the family Stemonaceae in Thailand was conducted by searching the literatures, comparing the herbarium specimens from several herbaria in Thailand and the data gained from Kew Herbarium. Additional field surveys and specimen collections were made throughout the country. There are 10 species and 4 taxa of the Stemonaceae are enumerated and examined in this treatment, which belong to 2 genera, *Stemona* Lour. and *Stichoneuron* Hook.f.. Morphological characters were investigated, described, and supported by line drawing illustrations. A key to the genera and species based on the flowering and vegetative characters is presented. Thai Stemonaceae species mostly occur in seasonal climate and dry habitats. They are distributed at various altitudinal levels from sea level to 1,200 meters above sea level.

*Stemona* comprises of 9 species and 2 taxa as follows: *Stemona aphylla* Craib, *S. burkillii* Prain, *S. cochinchinensis* Gagnep., *S. collinsiae* Craib, *S. curtisii* Hook.f., *S. kerrii* Craib, *S. phyllantha* Gagnep., *S. pierrei* Gagnep., *S. tuberosa* Lour., *Stemona* sp. 1 and *Stemona* sp. 2, while genus *Stichoneuron* comprises of one species and 2 taxa as follows: *Stichoneuron caudatum* Ridl., *Stichoneuron* sp. 1 and *Stichoneuron* sp. 2. Two species are endemic to Thailand *i.e.* *Stemona aphylla* Craib and *S. collinsiae* Craib. *Stichoneuron caudatum* Ridl. is endemic to Malay Peninsular. Two species *i.e.* *Stemona cochinchinensis* Gagnep. and *S. pierrei* Gagnep. are new record in Thailand.

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