

Thamarat Phutthai 2007: Systematic Studies of the Leguminosae -  
Caesalpinioideae in Thong Pha Phum Forest, Kanchanaburi Province. Master of  
Science (Forestry), Major Field: Forest Biology, Department of Forest Biology.  
Thesis Advisor: Assistant Professor Duangchai Sookchalocm, D.Sc. 182 pages.

Systematic studies of the Leguminosae-Caesalpinioideae in Thong Pha Phum Forest, Kanchanaburi province are proposed to study morphological characters, ecology, distribution and diversity of species. This study was conducted by surveying and collecting plants from various vegetation types in Thong Pha Phum Forest. Photographs including morphological and ecological data, were recorded for each plant species. Specimens were identified by comparison with herbarium specimens deposited in various plant museums. Keys to genera and species with full descriptions supported by line drawings were provided. After surveying in the area for a period of eighteen months and examining plant specimens, the results showed that 12 genera 31 species were found as follows: *Afzelia* (1 specie), *Bauhinia* (11 species), *Caesalpinia* (5 species), *Cassia* (1 specie), *Chaemaecrista* (1 specie), *Cynometra* (1 specie), *Gymnocladus* (1 specie), *Peltophorum* (1 specie), *Pterolobium* (1 specie), *Saraca* (1 specie), *Senna* (6 species), *Sindora* (1 species). Genera of *Bauhinia*, *Senna* and *Caesalpinia* were mostly found. The species recognized as a newly record was *Cynometra beddomei* Prain; *Bauhinia glauca* ssp. *tenuiflora* (Watt. ex C.B. Clarke) K.&S.S.Larsen, *B. nervosa* (Wall. ex Benth) Baker, *Caesalpinia andamandica* (Prain) Hattink, *Pterolobium integrum* Craib and *Saraca cauliflora* Baker were new locality records.

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Student's signature

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