

Thawee Insura 2009: Systematics and some Ecological Characteristics of *Artabotrys* R.Br. (ANNONACEAE) in Thailand. Master of Science (Forestry), Major Field: Forest Biology, Department of Forest Biology. Thesis Advisor: Assistant Professor Wichan Eiadthong, Dr.Arg. 118 pages.

The systematics of *Artabotrys* R.Br. (ANNONACEAE) in Thailand was conducted by surveying and specimen collection from natural habitats in different parts of Thailand. The morphological characteristics and some ecological data were undertaken and including description, photographs, illustration and proving by botanists. The voucher specimens were identified and compared with herbarium specimens deposited in several herbaria in Thailand.

Fifteen species were found in Thailand; *A. brevipes* Craib (Karawek Nang) *A. burmanicus* A.DC. (Nom Chanee) *A. grandifolius* King (Karawek Bai Yai) *A. harmandii* Finet & Gagnep. (Nom Ngua) *A. hexapetalus* (L.f.) Bhandari (Kradang Nga Cheen) *A. multiflorus* C.E.C.Fisch. (Karawek Chor) *A. oblanceolatus* Craib (Hok) *A. siamensis* Miq. (Karawek) *A. spinosus* Craib (Nao Nam) *A. suaveolens* Blume (Khaai) and *A. vanprukii* Craib (Saban Nga Khrua) and whilst 4 species of *Artabotrys* are new records for Thailand; *A. aereus* Ast (Karawek Kra) *A. blumei* Hook. f. & Thomson (Karawek Daeng) *A. havilandii* Ridl. (Karawek Baiman Hala) and *A. sumatranus* Miq. (Karawek Sumatra). As for the ecological studies, 4 species are found in Moist evergreen forest, 3 species in both Mix deciduous forest and Dry evergreen forest, 2 species in Dry evergreen forest, 2 species in Riparian plant communities, 2 species in Lower mountain evergreen forest, 1 species in both Moist evergreen forest and Peat swamp forest, and 1 exotic species which is cultivated in all parts of Thailand. The conservation status of the genus *Artabotrys* R.Br. in Thailand classified into 4 groups; 4 critically endangered species (*A. aereus*, *A. brevipes*, *A. sumatranus* and *A. vanprukii*), 7 vulnerable species (*A. blumei*, *A. grandifolius*, *A. harmandii*, *A. havilandii*, *A. multiflorus*, *A. oblanceolatus* and *A. spinosus*), 3 near threatened species (*A. burmanicus*, *A. siamensis* and *A. suaveolens*) and 1 least concern species (*A. hexapetalus*).

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Thesis Advisor's signature

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