

Sasitorn Siriseree 2010: Taxonomic Clarification of the Genus *Clausena* Burm.f., *Micromelum* Blume and *Murraya* Koen. ex L. (Aurantioideae, Rutaceae) in Thailand. Master of Science (Botany), Major Field: Botany, Department of Botany. Thesis Advisor: Associate Professor Srunya Vajrodaya, Dr.rer.nat. 77 pages.

Taxonomic revision of the genus *Clausena*, *Micromelum* and *Murraya* in Thailand were conducted from April 2003 to March 2010. Species diversity, morphological characters, distribution and ecological data were examined. Field collections and phenological observation of *Clausena*, *Micromelum* and *Murraya* were made throughout the country. The herbarium specimens available in Thai herbaria were thoroughly studied and identified by consulting the taxonomic literatures. Key to genera and species based on flowering, fruiting and significant vegetative characters were constructed. Full descriptions of each species were provided and supported by line drawings and photographs.

Seven species and four varieties of *Clausena*, five species of *Micromelum* and three species of *Murraya* were identified, i.e. *Clausena excavata* Burm.f. var. *excavata*, *C. excavata* Burm.f. var. *villosa* Hook.f., *C. harmandiana* Pierre ex Guillaumin, *C. heptaphylla* (Roxb. ex DC.) Wight & Arn. ex Steud., *C. lansium* Skeels, *C. longipes* Craib, *C. macrophylla* Hook.f., *C. wallichii* Oliv. var. *wallichii*, *C. wallichii* Oliv. var. *guillauminii* (Tanaka) J.F.Molino, *Micromelum pubescens* Blume, *M. falcatum* Tanaka, *M. integerrimum* Wight & Arn., *M. minutum* (G.Forst.) Wight & Arn., *M. hirsutum* Oliv., *Murraya koenigii* Spreng., *M. paniculata* (L.) Jack and *M. siamensis* Craib. *Clausena wallichii* Oliv. var. *guillauminii* (Tanaka) J.F.Molino, *Micromelum pubescens* Blume, and *M. falcatum* Tanaka are new records of distribution in Thailand. *Clausena longipes* Craib and *Murraya siamensis* Craib are likely to be rare species.

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