

Taxonomic revision of *Garcinia* section *Garcinia* (Clusiaceae)

ABSTRACT

Species of *Garcinia* sect. *Garcinia* are typically understory trees in rain forest and are distributed from eastern India to Malesia. A taxonomic revision of *Garcinia* section *Garcinia* (Clusiaceae) has resulted in the recognition of 13 species, two of which have three varieties each. Several species are excluded from *Garcinia* section *Garcinia*, reported as insufficiently known, or reduced to synonymy. Five species, *G. acuticosta*, *G. discoidea*, *G. exigua*, *G. ochracea* and *G. sangudsangud*, and two varieties, *G. diospyrifolia* var. *minor* and *G. mangostana* var. *borneensis*, are newly described. Morphological characters that are important for sectional delimitation are terminally attached inflorescences of simple cymes, stamen bundles 4 or 4-angled, and fruits with a smooth surface. Species limits are defined on the basis of a combination of characters of the male flower (i.e. shape of stamens, presence of pistillode), type of fruit, and characters of the leaf (shape and size, venation pattern and glandular lines).

Keyword: *Garcinia*; Clusiaceae; Asia; Eudicots