

**LOCAL NAMES**

Hindi (selonphang,mayilai,balgay,balage,ashoi); Nepali (tin-patte)

**BOTANIC DESCRIPTION**

*Vitex altissima* is a medium-sized tree up to 25(-33) m tall; leaves 3-foliolate, petiole winged towards the apex.

Leaflets slightly pubescent below.

Inflorescence axillary and terminal, paniculate; calyx lobes subequal, c. 1 mm long, corolla whitish-purple to violet.

Fruit subglobose, 5-8 mm in diameter, bluish-black when mature.

**BIOLOGY**

**ECOLOGY**

*V. altissima* is common in forests in India and Sri Lanka, but probably rather rare in Malasia.

**BIOPHYSICAL LIMITS****DOCUMENTED SPECIES DISTRIBUTION**

Native: Bangladesh, India, Indonesia, Myanmar, Papua New Guinea, Sri Lanka

Exotic:



The map above shows countries where the species has been planted. It does neither suggest that the species can be planted in every ecological zone within that country, nor that the species can not be planted in other countries than those depicted. Since some tree species are invasive, you need to follow biosafety procedures that apply to your planting site.

**PRODUCTS**

Timber: The density of the wood is 800-1010 kg/m cubic at 15% moisture content; the wood is hard and durable. The timber is used for construction, cabinet-work, furniture, turnery, agricultural implements and cart wheels; it is highly prized in India and Sri Lanka.

Tannin or dyestuff: A yellow dye can be extracted from the wood.

Medicine: The juice from the bark is used externally against rheumatic swellings and chest pains.

**SERVICES**

Ornamental: The tree seems to have good prospects as an ornamental.

TREE MANAGEMENT

*V. altissima* showed a mean annual diameter increment of 0.6 cm in Burma (Myanmar).

GERMPLASM MANAGEMENT

PESTS AND DISEASES

## FURTHER READING

- Ashton M, Gunatilleke S, De Zoysa N, Dassanayake MD, Gunatilleke N, Wijesundera S. 1997. A field guide to the common trees and shrubs of Sri Lanka. Sri Lanka: WHT Publications Private Limited for the Wildlife Heritage Trust of Sri Lanka.
- Asia Regional Workshop. 1997. Conservation and sustainable management of trees project workshop held in Hanoi, VietNam, August, 1997.
- Balasundaran M & Gnanaharan R. 1985. Natural decay resistance of *Vitex altissima* Linn, F. Journal of the Indian Academy of Wood Science. 16(2):75-77; 6 ref.
- Brandis D. 1978. Indian trees: An account of trees, shrubs, woody climbers, bamboos and palms indigenous or commonly cultivated in the British India empire. London. 767pp.
- Chatha GS & Bir SS. 1988. Cytology and distribution pattern of woody species of Verbenaceae in Palni hills. Proceedings of the Indian Academy of Sciences, Plant Sciences. 98(2):139-148; 27 ref.
- Dassanayake MD & Fosberg FR (eds). 1983. A Revised handbook to the Flora of Ceylon. 4:196-487. Amerind Publishing Co. Pvt. Ltd., New Delhi.
- Fosberg, F. R., M.-H. Sachet and R. L. Oliver. 1979. A geographical checklist of the Micronesian dicotyledonae. Micronesica. 15:239.
- Gardner JCM. 1939. New Indian Cerambycidae. New Indian For. Rec. [n.s.] Entomology. 6 (1-14). [Forest Research Institute, Dehra Dun.].
- Gunawardena DC. 1969. The flowering plants of Ceylon (an etymological and historical study). Lake House Publishers, Colombo.
- Lemmens RHMJ, Soerianegara I, Wong WC (eds.). 1995. Plant Resources of South-east Asia. No 5(2). Timber trees: minor commercial timbers. Backhuys Publishers, Leiden.
- Merrill, ED. 1912 (1968 reprint). A flora of Manila. Manila. p. 404.
- Mohanadas K. 1986. A new host record for the teak defoliator, *Hyblaea puera* (Lepidoptera: Hyblaeidae). Current Science, India. 55(23):1207-1208.
- Rai SN. 1979. Rate of diameter growth and age diameter relationship of *Vitex altissima*, Linn. And *Lanea coromandelica*, (Houtt) Merr. In moist deciduous forests of Karnataka State-India. Indian Journal of Ecology. 6: (1) 20-29.
- Rao DS. 1965. A note on the chemical investigation on the *Vitex* species. Naturwissenschaften. 52 (10): (262).
- Reddy MS & Radhakrishnaiah. 1992. Chemical systematics of *Vitex*. Advances in Plant Science. 5(Special issue):350-355.
- Sekhar AC & Bhatia DN. 1957. Physical and mechanical properties of woods tested at Forest Research Institute. Report VI. Indian For. Rec. (n.s.) Timber Mechanics. 1 (7): 137-46.
- Singhakumara BMP. 1990. The Biology of *Vitex* (Verbenaceae) in Sri Lanka. D. Phil. Thesis, Department of Plant Sciences, Oxford University, UK.
- Singhakumara BMP. 1991. Confused botanical names: *Vitex altissima* L. f. or *Vitex pinnata* L. (Verbenaceae) in Sri Lanka?. Sri Lanka Forester. 20(1-2):29-33.
- Staples GW, Herbst D and Imada CT. 2000. Survey of invasive or potentially invasive cultivated plants in Hawaii. Bishop Museum Occasional Papers No. 65. p. 21.
- Stone BC. 1970. The Flora of Guam. Micronesica 6:509.
- Tan BC, Fernando ES and Rojo JP. 1986. An updated list of endangered Philippine plants. Yushania. 3(2):1-5
- Trimen H. 1895. A handbook to the flora of Ceylon. Pt. III. London, UK: Dulau & Co.
- Wirawan N. 1969. Field key to the woody plants of Ruhuna National Park, Mimeo-report No. 15. Smithsonian Ecology project, Ceylon. p 12.
- Worthington TB. 1959. Ceylon trees. Colombo, Sri Lanka: The Colombo Apothecaries' Company Limited.

## SUGGESTED CITATION

Orwa C, Mutua A, Kindt R, Jamnadass R, Simons A. 2009. Agroforestry Database: a tree reference and selection guide version 4.0 (<http://www.worldagroforestry.org/af/treedb/>)