

Final Species Datasheet

JamU+CalU+SUK-Phase I

Datasheet No. A-239.002.001
(family.genus.species)

DBT- I

1. Taxon:

Species: *Buchanania arborescens*(Blume) Blume

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:*Buchanania angustifolia* Benth., *B.arborescens*F.Muell., *B.attopeuensis*(Pierre) Tardieu, *B.bancana*Miq., *B.decandra*Blanco, *B.florida*A.Gray, *B.floridavar. arborescens* Engl., *B.floridavar. arborescens* Pierre, *B.floridavar. attopeuensis* Pierre, *B.floridavar. cumingii* Engl., *B.floridavar. dongnaiensis*Pierre, *B.floridavar. lucida* (Blume) Engl., *B.florida* var. *petiolaris* (Miq.) Engl., *B.glaberrima*Ridl., *B.intermedia* Wight, *B.longifolia* Blume, *B.longifolia* Span., *B.lucida* Blume, *B.lucida* var. *laxiflora*Ridl., *B.lucida* var. *polembanica* (Blume) Miq., *B.monticola*Kaneh. &Hatus., *B.muelleri* Engl., *B.nabirensis*Kaneh. &Hatus., *B.novohibernica*Lauterb., *B.palembanica* Blume, *B.papuana* C.T.White, *B.petiolaris*Miq., *B.platyphylla*Merr., *B.polybotrya*Miq., *B.pseudoflorida* G.Perkins, *B.scandens*Lauterb., *B.solomonensis*Merr. & L.M.Perry, *B.subobovata* Griff., *B.versteeghii*Merr. & L.M.Perry, *Coniogetonarborescens* Blume

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Order: Sapindales Juss. Ex Bercht. & J. Presl
- Family: Anacardiaceae R. Br.
- Genus: *Buchanania*Spreng.
- Species: *B.arborescens*(Blume) Blume

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Disciflorae
- Cohors: Sapindales Juss. Ex Bercht. & J. Presl
- Ordo: Anacardiaceae R. Br.
- Genus: *Buchanania*Spreng.
- Species: *B.arborescens*(Blume) Blume

4. Distribution:

Global:China, Taiwan, Myanmar, Andaman Islands, Indochina, Thailand, throughout Malesia (including Singapore) to New Britain (Papua New Guinea), Solomons Islands, and Australia

India:some parts of the Indian sub-continent and the Andaman Islands of India

5. Indigenous/Exotic/Endemic; Cultivated/Wild:Indigenous

6. Threat Status:

IUCN:Least Concern

BSI:

7. Habit and Habitat:Treeup to 35 m tall; grows in lowland secondary forests, along riverbanks, near beaches, peat swamps, and on hills, up to 500 m altitude

8. Life Form:Phanerophytes

9. Economic Importance:used as food, the wood, though of inferior quality, is used for a variety of uses such as boxes, cases, furniture, interior finishing, light construction, joints, roof supports, and veneers. Bark contains a small amount of tannin and is used to strengthen fishing nets. Used as medicine to treat headaches.

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agametoploidy:

18. Nature of polyploidy (auto, segmental, allo, autoallo):

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

21. Somatic chromosomes:

Karyotype

Chromosome size

NOR chromosome(s)

Degree of asymmetry

Image file

22. Banding pattern(s):

Image file

23. Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24. Genomic in situ hybridization:

Image file

25. Linkage map:

Image file

26. Chromosome associations:

Female meiosis

Male meiosis

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):

