

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-253.004.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Vateria copallifera* (Retz.) Alston

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Elaeocarpus copalliferus* Retz., *Vateria acuminata* Heyne, *Vateria indica* Blume

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Rosids
- Clade: Malvids
- Order: Malvales Juss.
- Family: Dipterocarpaceae Blume
- Genus: *Vateria* L.
- Species: *V. copallifera* (Retz.) Alston

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Guttiferales
- Ordo: Dipterocarpaceae Blume
- Genus: *Vateria* L.
- Species: *V. copallifera* (Retz.) Alston

4. Distribution:

Global: India, Sri Lanka

India: Tamil Nadu

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

6. Threat Status:

IUCN: Endangered

BSI:

7. Habit and Habitat: Tree; evergreen forests

8. Life Form: Phanerophyte

9. Economic Importance: The decoction of bark has been used in the treatment of diarrhea, ulcers, rheumatic pains and diabetes mellitus. It is also used in arresting fermentation of palm tree sap in the local jaggery industry, and the fruit flour is used in the preparation of food items

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; Translocations etc):