

Genus Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-253.004
(Family.Genus)

DBT- Network Programme

1. Genus: *Vateria* L.

2. Systematic position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Rosids
- Clade: Malvids
- Order: Malvales Juss.
- Family: Dipterocarpaceae Blume
- Genus: *Vateria* L.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Guttiferales
- Ordo: Dipterocarpaceae Blume
- Genus: *Vateria* L.

3. Species:

Global: 3

India: 3

4. Taxonomic riddles:

5. Distribution:

Global: India, Sri Lanka

India: Western Ghats

6. Habit and Habitat: Tree; Evergreen Forests.

7. Economic Importance: Resin used for various purposes. Wood is much in demand in plywood and veneer industry

8. DNA content range:

Methodology

2C

4C

9. Basic chromosome number(s): $x=11$ ¹

10. Zygotic chromosome number(s): $2n=22$ ¹

11. Gametic chromosome number(s): $n=10$ ²

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/

Neocentric chromosomes):

13. Ploidy level: Diploid¹

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

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

16. Karyograms:¹

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:

GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information:Total number of species with reports = 1/3