

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-120.001.006
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Dillenia parviflora* Griff.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:***Dillenia kerrii* Craib, *D. parviflora* var. *kerrii* (Craib) Hoogland

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Order: Dilleniales
- Family: DilleniaceaeSalisb.
- Genus:*Dillenia* L.
- Species: *D. parviflora* Griff.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: DilleniaceaeSalisb.
- Genus: *Dillenia* L.
- Species: *D. parviflora* Griff.

4. Distribution:

Global: Cambodia, Laos, Myanmar, Thailand

India:

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Tree up to 40 m high

8. **Life Form:** Phanerophyte

9. **Economic Importance:** Decoction of the bark is taken orally for the treatment of diarrhea

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, aneusomy, polysomy):

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):