

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-120.001.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species:*Dilleniaaurea*J. E. Smith

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:***Dilleniaaurea* var. *trichocarpella* Hoogland, *D. indica* var. *aurea* (Sm.) Kuntze, *D. pulcherrima* Kurz

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Order: Dilleniales
- Family: DilleniaceaeSalisb.
- Genus:*Dillenia*L.
- Species:*D. aurea*J. E. Smith

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Ranales
- Ordo: DilleniaceaeSalisb.
- Genus: *Dillenia*L.
- Species: *D.aurea*J. E. Smith

4. Distribution:

Global: India, Myanmar, Thailand

India:Andaman & Nicobar Islands, Andhra Pradesh, Bihar, Chhattisgarh, Madhya Pradesh, Odisha, Uttar Pradesh, West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:**Treeabout 30-50 ft tall; tropical deciduous forests along base of the Himalayas and eastern peninsula

8. **Life Form:**Phanerophyte

9. **Economic Importance:**Used in folk medicine; wood is a good timber

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 (Apoixis; Inversion; Male sterility; Pollen grain mitosis;

Pollen stainability; Translocations etc):