Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-120.001.007 **DBT-** I
(family.genus.species)

1. Taxon:

Species: *Dilleniapentagyna*Roxb.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Colbertiaaugusta* Wall. ex G.Don, *C.coromandelina* DC., *C. floribunda* Wall., *Dilleniaaugusta*Roxb., *D.baillonii* Pierre ex Laness., *D. floribunda*Hook.f. & Thomson, *D.hainanensis*Merr., *D. minor* (Zoll. &Moritzi) Gilg

3. Systematic Position:

APG IV (2016)

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

Bentham and Hooker (1862)

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

4. Distribution:

Global: Bangladesh, Cambodia, China, Hainan, India, Jawa, Laos, Lesser SundaIsland, Malaya, Myanmar, Nepal, Sri Lanka, Sulawesi, Thailand, Vietnam

India: Andaman & Nicobar Islands, Andhra Pradesh, Assam, Bihar, Goa, Karnataka,Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Uttar Pradesh,Orissa, Sikkim, West Bengal.

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

6. Threat Status:

IUCN:

BSI

7. Habit and Habitat: Tree; Tropical and sub-tropical region

8. Life Form: Phanerophyte

9. Economic Importance: Used in Ayurveda

10. Probable Progenitor of:

11. DNA

C-value	Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):n=13^4

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):