

Species Datasheet

Datasheet No. A-140.033.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Pterocarpus marsupium* Roxb.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Lingoum marsupium* (Roxb.) Kuntze, *Pterocarpus bilobus* G. Don, *P. marsupium* var. *acuminata* Prain, *P. marsupium* f. *acuminata* (Prain) Prain, *P. marsupium* f. *acuta* Prain, *P. marsupium* f. *biloba* (Roxb. ex G. Don) Prain, *P. marsupium* subsp. *marsupium*

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae Lindl.
- Genus: *Pterocarpus* Jacq.
- Species: *P. marsupium* Roxb.

4. Distribution:

Global: India, Nepal, Sri Lanka, Taiwan

India: Andhra Pradesh, Bihar, Goa, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Rajasthan, Uttar Pradesh, West Bengal

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

6. Threat Status:

IUCN: Vulnerable

BSI:

7. **Habit and Habitat:** Dry zone tree.

8. **Life Form:**

9. **Economic Importance:**

10. **Probable Progenitor of:**

Bentham and Hooker (1862)

Kingdom: Plantae

Division: Phanerogamia

Class: Dicotyledons

Subclass: Polypetalae

Series: Calyciflorae

Cohors: Rosales Bercht. & J. Presl

Ordo: Leguminosae Juss.

Subordo: Papilionaceae Giseke

Genus: *Pterocarpus* Jacq.

Species: *P. marsupium* Roxb.

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=22^{1,2}$, $2n=44^3$

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 (Apoixis ; Inversion; Male sterility; Pollen grain mitosis;
Pollen stainability ; Translocations etc):**