Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-253.003.003 **DBT- Network Programme**
(family.genus.species)

1. Taxon:

Species: *Shorea roxburghii* G. Don
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Anthoshorea harmandii* (Pierre ex Laness.) Pierre, *Saul iallarea* Roxb. ex Wight & Arn., *Shorea attopoensis* Pierre, *S. cochinchinensis* Pierre, *S. floribunda* Kurz, *S. harmandii* Pierre ex Laness., *S. laccifera* B.Heyne ex Wall., *S. saigonensis* Pierre, *S. talura* Roxb., *Vatica laccifera* Wight & Arn.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Rosids
- Clade: Malvids
- Order: Malvales Juss.
- Family: Dipterocarpaceae Blume
- Genus:*Shorea* Roxb. ex C.F.Gaertn.
- Species: *S. roxburghii* G. Don

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Thalamiflorae
- Cohors: Guttiferales
- Ordo:Dipterocarpaceae Blume
- Genus:*Shorea* Roxb. ex C.F.Gaertn.
- Species:*S.roxburghii* G. Don

4. Distribution:

Global: Cambodia, Laos, Malaya, Myanmar, Thailand, Vietnam

India: Peninsular India, Andhra Pradesh, Karnataka, Tamil Nadu

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

6. Threat Status:

IUCN: Vulnerable

BSI:

7. Habit and Habitat: Tree;dry, evergreen or semi-evergreen dipterocarp forest

8. Life Form: Phanerophyte

9. Economic Importance: Used for timber; valuable host for the lac insect(*Laccifer lacca*)

10. Probable Progenitor of:

11. DNA

C-value	Methodology
2C (0.692±0.005 pg)[1]	Flow cytometry[1]

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=14[2,5,14]

14. Gametic chromosome number(s):

15. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level: Diploid[2]

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):