Species Datasheet

Datasheet No. A-140.038.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Xyliaxylocarpa*(Roxb.) Taub
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Acacia xylocarpa* (Roxb.) Willd.,*Inga xylocarpa* (Roxb.) DC.,*Mimosa xylocarpa*Roxb., *Xyliadolabriformis*Benth., *X. xylocarpa*var.*xylocarpa*

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Clade: Fabids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Genus: *Xylia*Benth.
- Species: *X.xylocarpa*(Roxb.) Taub

Bentham and Hooker (1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: RosalesBercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Mimoseae Bronn
Genus:*Xylia*Benth.
Species: *X. xylocarpa*(Roxb.) Taub

4.Distribution:

Global: India, Burma, Malaysia

India: Eastern and western Ghats, Bihar

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat: Tree. Found in dry evergreen forest and mixed deciduous forest

8.Life Form: Phanerophytes

9.Economic Importance: The bark and wood are a source of tannins and red resin. Also woody pods are used as fuel for cooking.

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n= 24[1,2,3]

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, 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.Genomicin 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;Translocationsetc.):