

Genus Datasheet
DBT- Network Programme

Datasheet No. A-140.045
(family.Genus)

1. Genus: *Parkia* R. Br.

2. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Clade: Fabids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Genus: *Parkia* R. Br.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Mimoseae Bronn
Genus: *Parkia* R. Br.

3. Species:

Global: 39

India: 6

4. Taxonomic riddles:

5. Distribution:

Global: Africa, Asia

India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Goa, Gujarat, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Orissa, Pondicherry, Sikkim, Tamil Nadu, Tripura, West Bengal

6. Habit and Habitat: Tree.

7. Economic Importance: Used as Medicine, also used in food.

8. DNA content range:

2C DNA = (1.489-1.5266) pg

Methodology

Flow Cytometry⁵

9. Basic chromosome number(s):

10. Zygotic chromosome number(s): $2n=22^5$

$$2n=24^{1,5,6,7,8,9}$$

$$2n=26^{2,7,8,9}$$

11. Gametic chromosome number(s):

12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/N chromosomes):

13. Ploidy level: Diploid⁵

14. Nature of polyploidy (auto, segmental, allo, autoallo):

15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):

16. Karyograms:

Meiosis:

17. Banding pattern(s):

18. Physical mapping of chromosomes:GISH:

19. Phylogenetic relationship at Chromosomal; DNA level:

20. Cytogenetic mechanism (s) underlying evolution:

21. Linkage map:

22. Any other information:Chromosome number is not reported in the following taxa:

Parkia leiophylla Kurz

Parkia sumatrana Miq.

Parkia sumatrana subsp. *streptocarpa* (Hance) H.C.I. Hopkins

Parkia timoriana (DC.) Merr.