

Species Datasheet
DBT- Network Programme

Datasheet No. A-140.047.097
(family.genus.species)

1.Taxon:

Species *Crotalaria paniculata* Willd.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Crotalaria paniculata* var. *paniculata*

3. Systematic Position:

- APG IV (2016)**
- Kingdom: Plantae
 - Clade: Angiosperms
 - Clade: Eudicots
 - Clade: Superrosids
 - Clade: Rosids
 - Clade: Fabids
 - Order: Fabales Bromhead
 - Family: Fabaceae Lindl.
 - Subfamily: Faboideae Rudd
 - Genus: *Crotalaria* L.
 - Species: *C.paniculata* Willd.

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: *Crotalaria* L.
Species: *C. paniculata* Willd.

4.Distribution:

Global: India

India: Andhra Pradesh, Karnataka and Tamil Nadu

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

6.Threat Status:

IUCN: Least Concern

BSI

7.Habit and Habitat: Non-climbing, Shrub. Habitat: Dry and moist deciduous forest and scrub, often along waysides.

8.Life Form: Perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=16^{21, 90}$

14. Gametic chromosome number(s): $n=8^9$

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

Image file

16.Ploidy level:Diploid⁴⁰

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

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):