

## Species Datasheet

Datasheet No. A-140.047.104 DBT-Network Program  
(family.genus.species)

### 1. Taxon:

Species *Crotalaria prostrata* Willd.  
Subspecies  
Variety  
Cultivar  
Hybrid

Image File

### 2. Synonyms:

- *Crotalaria jinpingensis* CY Yang
- *Crotalaria prostrata* D. Don
- *Crotalaria prostrata* Roxb.
- *Crotalaria prostrata* var. *jinpingensis* (CY Yang) CY Yang
- *Crotalaria prostrata* var. *Prostrata*

### 3. Systematic Position:

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

**Bentham and Hooker (1862)**

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Polypetalae  
Series: Calyciflorae  
Cohors: Rosales Bercht. & J. Presl  
Ordo: Leguminosae Juss.  
Suborder: Papilionaceae Giseke  
Genus: *Crotalaria* L.  
Species: *C. prostrata* Willd.

### 4. Distribution:

#### Global

**India:** Himachal Pradesh, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Nagaland, Rajasthan, Sikkim, Tamil Nadu, Uttar Pradesh.

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

### 6. Threat Status:

IUCN

BSI

**7. Habit and Habitat:** Non-climbing, shrubby herb. Habitat: Moist deciduous forests, also in the plains

**8. Life Form:** Annual

**9. Economic Importance:**

**10. Probable progenitor of:**

**11. DNA**

**C-value Methodology**

**12. Basic chromosome number(s):**

**13. Zygotic chromosome number(s):**  $2n=16$ <sup>9, 10, 29</sup>

**14. Gametic chromosome number(s):**  $n=8$ <sup>8, 10, 17, 57, 94</sup>

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

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**16. Ploidy level:** Diploid<sup>8</sup>

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):**