

Species Datasheet
DBT- Network Programme

Datasheet No. A-140.047.102
(family.genus.species)

1.Taxon:

Species *Crotalaria persica*(Burm.f.) Merr.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:

- *Crotalaria furfuracea*Boiss.
- *Cytisuspersicus*Burm.f.
- *Spartiumpersicum* (Burm. f.) Willd.

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: LeguminosaeJuss.
Subordo: PapilionaceaeGiseke
Genus: *Crotalaria* L.
Species: *C. paniculata*Willd.

4.Distribution:

Global: Western Asia,Djibouti, Ethiopia, Pakistan, Somalia.
India

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Non-climbing, Shrub.

8.Life Form:Perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s): $x=8^{92}$

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s): $n=8^{92, 93}$

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

Image file

16.Ploidy level:Diploid⁹²

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

DNA level

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