Species Datasheet

Datasheet No. A-140.047.004 **DBT- Networ**
(family.genus.species)

1.Taxon:

Species *Crotalaria alata*D. Don
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:

- *Crotalaria alata* H. Lév.
- *Crotalaria bialata* (Roxb.) Roxb.
- *Crotalaria bialata*Roxb.
- *Crotalaria bialata*Schrank
- *Crotalaria bidiei* Gamble

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. alata*D. Don

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. alata*D. Don

4.Distribution:

Global: Southern-Eastern Asia,Caribbean.
India:

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat: Herb or shrub, erect, 5-100 cm tall.Usually found near the sea coast on sandy soils, also along rivers on rocky and peaty soils, ascending to 1,500 meters

8.Life Form: Annual/Perennial

9.Economic Importance:A good green manure and cover crop, suitable as a mulch, used as a ground cover to stabilize the soil

10. Probable Progenitor of:

11.DNA
C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=16[2, 5, 6]

14. Gametic chromosome number(s):n=8[2, 5, 6]

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

Image file

16.Ploidy level: Diploid[2]

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:$8II^2$

Female meiosis

Male meiosis^2

Image file

27.Chromosome distribution at anaphase I:$8:8^2$

28. Genetic diversity:

Chromosomal level

DNA level

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