

Species Datasheet

Datasheet No. A-140.047.070
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species
Subspecies
Variety *Crotalaria madurensis* var. *kurnoolica* J.L. Ellis & Swamin
Cultivar
Hybrid

Image file

2. Synonyms:

3. Systematic Position:

- | | |
|--|--|
| APG IV (2016) | Bentham and Hooker (1862) |
| • Kingdom: Plantae | Kingdom: Plantae |
| • Clade: Angiosperms | Division: Phanerogamia |
| • Clade: Eudicots | Class: Dicotyledons |
| • Clade: Superrosids | Subclass: Polypetalae |
| • Clade: Rosids | Series: Calyciflorae |
| • Clade: Fabids | Cohors: Rosales Bercht. & J. Presl |
| • Order: Fabales Bromhead | Ordo: Leguminosae Juss. |
| • Family: Fabaceae Lindl. | Subordo: Papilionaceae Giseke |
| • Subfamily: Faboideae Rudd | Genus: <i>Crotalaria</i> L. |
| • Genus: <i>Crotalaria</i> L. | Species: <i>C. madurensis</i> Wight & Arn. |
| • Species: <i>C. madurensis</i> Wight & Arn. | |

4. Distribution:

Global

India Nallamalais of Kurnool district of Andhra Pradesh.

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb

8. Life Form: Annual

9. Economic Importance: used to treat different ailments by Adivasi communities in the area. The ethno medical botanical studies of the plant

revealed that the plant is used for the treatment of scabies. Fresh leaves are crushed and the paste is applied externally. The seeds are cooked and given in curry along with food

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

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

Image file

16.Ploidy level:

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

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

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):