

Species Datasheet

Datasheet No. A-140.071.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Genistaaetnensis* (Biv)DC.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Cytisanthus aetnensis* (Biv.) Cristof. &FeoliChiapel, *Spartium aetnensis* Biv.

3.Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Subfamily: Faboideae Rudd
- Genus:*Genista*L.
- Species: *Genistaaetnensis* (Biv)DC.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: LeguminosaeJuss.
Subordo: PapilionaceaeGiseke
Genus: *Genista*L.
Species:*Genistaaetnensis* (Biv)DC.

4.Distribution:

Global:Argentina , Great Britain , India , Sardegna , Sicilia

India :

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Shrub, Habitat: Forest, garden, scrubland

8.Life Form:Perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s): $x=13^{1,2}$

13. Zygotic chromosome number(s): $2n=52^{1,2,3,4,5}$, $2n=54^6$

14. Gametic chromosome number(s): $n=25,27^6$, $n=26^{1,4,6}$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/Neocentric chromosomes):B chromosomes¹

Image file

16.Ploidy level:Tetraploid¹

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:¹

Karyotype

Chromosome size :Small

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

Image file

DNA level

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