Species Datasheet

Datasheet No. A-140.035.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Tavernieracuneifolia*(Roth) Arn.
Subspecies:
Variety:
Cultivar:
Hybrid:

Image file

2. Synonyms:*Hedysarumcuneifolium*Roth, *Tavernieraephedroidea*Jaub. &Spach, *T.glabra*Boiss.,*T.nummularifolia*DC.

3.Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Genus: *Taverniera*DC.
- Species: *T.cuneifolia*(Roth) Arn.

Bentham and Hooker (1862)
Kingdom: Plantae
Division:Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: RosalesBercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Taverniera*DC.
Species: *T.cuneifolia*(Roth) Arn.

4.Distribution:

Global: India,Iran, Oman, Pakistan, Somalia, United Arab Emirates

India: Andhra Pradesh, Gujarat, Karnataka, Madhya Pradesh, Maharashtra, Orissa, Punjab, Rajasthan, West Bengal,

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Perennial shrub.

8.Life Form: Chamaephytes

9.Economic Importance: The extracts of *T. cuneifolia* root, exhibited promising anti-inflammatory, anti-tumor

10. Probable Progenitor of:

11.DNA
C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s): n= 8[1,2,3]

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 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

Image file

DNA level

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