

Species Datasheet

Datasheet NoA-377.011.031
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species:*Justiciaprostrata*Gamble

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms:

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: LamialesBromhead
- Family:Acanthaceae Juss.
- Genus: *Justicia*L.
- Species: *J.prostrata*Gamble

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Justicia*L.
- Species: *J.prostrata*Gamble

4.Distribution:

Global: Peninsular India and Sri Lanka, Malesia

India:Deccan peninsula

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

6.ThreatStatus:

IUCN:

BSI

7.Habit and Habitat:Herb. Deciduous forests, also in the plains

8.Life Form:Chamaephytes

9.Economic Importance:Isolation and synthesis of retrochinensin

10. Probable Progenitor of:

11.DNAC-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s): $2n=18^{7, 1}$

14. Gametic chromosome number(s): $n=9^{16, 21, 22}$

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Ringchromosomes/etc):

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: 9II^{16, 21, 22}

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29. Any other information: