

Species Datasheet

Datasheet No. A-377.011.011
(family.genus.species)

DBT- Netw

1. Taxon:

Species: *Justiciadiffusa* Willd.

Subspecies

Variety:

Cultivar

Hybrid

Image file

2. **Synonyms:** *Ecboliumdiffusum* (Willd.) Kuntze, *Justiciadiffusa* var. *diffusa*, *J.diffusa* var. *prostrata* Roxb. ex C.B. Clarke, *Rostellariadiffusa* (Willd.) Nees, *R.hedyotidifolia* Nees, *R.abysinica* Nees, *R. diffusa* (Willd.) Nees, *R.diffusa* var. *hedyotidifolia* (Nees) Kumari, *R.diffusa* var. *prostrata* (Roxb. ex C.B. Clarke) H.S. Lo, *R. hedyotidifolia* (Nees) Nees, *Ziziphorasiliquosa* Lour.

Bentham and Hooker (1862)

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

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
 - Genus: *Justicia* L.
 - Species: *J.diffusa* Willd.

4. Distribution:

Global: India.

India: Punjab, Kerala, Tamil Nadu

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

6. Threat Status:

IUCN:

BSI

7. **Habit and Habitat:** Shrub, evergreen Forests and Grasslands.

8. **Life Form:** Chamaephytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

11. **DNA C-value Methodology**

12. **Basic chromosome number(s):**

13. Zygotic chromosome number(s): $2n=18^{7, 11, 18}$

14. Gametic chromosome number(s): $n=9^{3, 8, 10, 11, 12, 17, 18}, n=16^{24}$

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

Image file

16.Ploidy level:Diploid^{7, 11, 18}

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

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29.Any other information: