

Species Datasheet

Datasheet No. A-377.011.035
(family.genus.species)

DBT- Netw

1.Taxon:

Species:*Justiciaquinqueangularis*K.D.Koenig exRoxb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Diantherapeploid*es(Nees) Griseb.,*Ecboliumpeploid*es(Nees) Kuntze,*E. quinquangulare* (K.D.Koenig ex Roxb.) Kuntze, *Justiciapeploid*es (Nees) T.Anderson, *Rostellariapeploid*esNees, *R. quinquangularis* (K.D.Koenig ex Roxb.) Nees, *R. quinqueangularis* var. *peploid*es (Nees) C.B. Clarke, *R. peploid*es (Nees) Nees, *R. quinquangularis* (K.D.Koenig ex Roxb.) Nees

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Justicia*L.
- Species: *J.quinqueangularis*K.D.Koenig ex Roxb.

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.quinqueangularis*K.D.Koenig ex Roxb.

4.Distribution:

Global: India

India:Central India

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

6.ThreatStatus:

IUCN:

BSI:

7.Habit and Habitat:A slender herb. Dry deciduous forests

8.Life Form:Chamaephytes

9.Economic Importance:

10. Probable Progenitor of:

11.DNAC-valueMethodology

12.Basic chromosome number(s): $x=9^{15}$

13. Zygotic chromosome number(s): $2n=18^{15, 23}$

14. Gametic chromosome number(s): $n=9^{3, 19, 21}$

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

Image file

16.Ploidylevel:

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:

22. Banding pattern(s):

Image file

23.Physical mapping of chromosomes:

In situ hybridization

Image file

Fluorescent in situ hybridization

Image file

24.Genomicin situ hybridization:

Image file

25. Linkage map:

Image file

26.Chromosome associations:

Female meiosis

Male meiosis: $9\text{II}^{3, 19, 21}$

27.Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29.Any other information: