

Species Datasheet

Datasheet No. A-377.015.023
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Dicliptera verticillata* C. Chr.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Adhatoda hyssopifolia* Medik., *Dianthera verticillata* Forssk., *Diapedium cuspidatum* Kuntze, *D. umbellatum* (Juss.) Kuntze, *D. verticillatum* (Forssk.) Kuntze, *Dicliptera maculata* var. *senegambica* Nees, *D. micranthes* Nees, *D. ocymoides* (Lam.) Juss., *D. senegambica* (Nees) Benoist, *D. senegambica* R. Benoist E, *D. umbellata* (Vahl) Juss., *Justicia cuspidata* Vahl, *J. ocymoides* Lam., *J. umbellata* Vahl

3. Systematic Position:

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Dicliptera* Juss.
- Species: *D. verticillata* (Forssk.) C Chr.

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superasterids
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Dicliptera* Juss.
- Species: *D. verticillata* (Forssk.) C Chr.

4. Distribution:

Global: Angola, Botswana, Burkina Faso, Cameroon, Cape Verde Isl, Chad, Ethiopia, Gabon, Gambia, Ghana, India, Ivory Coast, Kenya, Madagascar, Malawi, Mozambique, Namibia, Niger, Nigeria, Pakistan, Senegal, Sierra Leone, South Africa, South Sudan, Sudan, Tanzania, Togo, Yemen, Zimbabwe and Zambia.

India: East India, North India and Upper Gangetic Plains.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Herb.

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):

14. Gametic chromosome number(s):

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

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stain ability; Translocations etc):