

Species Datasheet

Datasheet No. A-377.001.023
(family.genus.species)

DBT- No.

1.Taxon:

Species: *Andrographis rothii*C. B. Clarke
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Justicia glandulosa* Roth

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Andrographis* Wall. ex Nees
- Species: *A. rothii* C. B. Clarke

Bentham and Hooker(1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass:Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Andrographis* Wall. ex Nees
- Species: *A.rothii* C. B. Clarke

4.Distribution:

Global: India.

India: Tamil Nadu.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Shrub, plains to low altitude, dry deciduous forests.

8. Life Form: Chamaephytes

9. Economic Importance:

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=

14. Gametic chromosome number(s):n=

15.Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene chromosomes/ Neocentricchromosomesetc):

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

23Physicalmappingofchromosomes:

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. Pollen Stain ability (%):

29. Genetic diversity:

Chromosomal level

DNA level

30. Any other information:(Translocations; Inversion; Female meiosis; Male meiosis; Male sterility)