

# Species Datasheet

Datasheet No. A-377.012.002  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species:  
Subspecies:  
Variety: *Asystasia chelonoides* var. *quadrangularis* C.B. Clarke  
Cultivar:  
Hybrid:

Image file

## 2. Synonyms:

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Asterids
- Order: Lamiales Bromhead
- Family: Acanthaceae Juss.
- Genus: *Asystasia* Blume
- Species: *A. chelonoides* Nees
- Variety: *A. chelonoides* var. *quadrangularis* C.B. Clarke

### Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Gamopetalae
- Series: Bicarpellatae
- Cohors: Personales
- Ordo: Acanthaceae Juss.
- Genus: *Asystasia* Blume
- Species: *A. chelonoides* Nees
- Variety: *A. chelonoides* var. *quadrangularis* C.B. Clarke

## 4. Distribution:

**Global:** Peninsular India and Sri Lanka.

**India:** Karnataka, Kerala, Maharashtra, Tamil Nadu

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

## 6. Threat Status:

**IUCN:**

**BSI:**

**7. Habit and Habitat:** A scandent shrub, and mostly found in scrubland.

**8. Life Form:** Chamaephytes

**9. Economic Importance:** Sometimes cultivated as an ornamental in gardens.

## 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):