

# Genus Datasheet

Datasheet No. A-140.086  
(Family.Genus)

DBT- Network Programme

1. Genus: *Aeschynomene* L.

2. Systematic position: APG IV; Bentham and Hooker:

## APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Aeschynomene* L.

## Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Dicotyledons  
Subclass: Polypetalae  
Series: Calyciflorae  
Cohors: Rosales Bercht. & J. Presl  
Ordo: Leguminosae Juss.  
Subordo: Papilionaceae Giseke  
Genus: *Aeschynomene* L.

3. Species:

Global 160 - 253

India 5

4. Taxonomic riddles:

5. Distribution:

Global Asia, Americas, Africa, Australia

India Throughout

6. Habit and Habitat: Herbaceous, Shrub to trees, Height ~200 - 900cm

7. Economic Importance: Fodder. Handicrafts. Making Canoes; Fishing floats

Green fertilizer. Medicinal purposes. Industrial raw material

8. DNA content range:

Methodology

4C

**9. Basic chromosome number(s):**  $x=10^1$

**10. Zygotic chromosome number(s):**  $2n=20^{1,2,3,4}$ ,  $2n=40^{1,3,5,7,8,9,10}$

**11. Gametic chromosome number(s):**  $n=10^{1,3}$ ,  $n=20^{1,3,6,9}$

**12. Specialized chromosomes (B chromosomes/Sex chromosomes/Polytene Chromosomes/  
Neocentric chromosomes):**

**13. Ploidy level:**

**14. Nature of polyploidy (auto, segmental, allo, autoallo):**

**15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):**

**16. Karyograms: <sup>1</sup>Meiosis:**  $1,3,6,9$

**17. Banding pattern(s):**

**18. Physical mapping of chromosomes:GISH:**

**19. Phylogenetic relationship at Chromosomal; DNA level:**

**20. Cytogenetic mechanism (s) underlying evolution:**

