

Species Datasheet

Datasheet No. A-140.086.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Aeschynomene aspera* L.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. **Synonyms:** *Aeschynomene aquatica* Roxb. Ex Steud. *Aeschynomene lagenaria* Lour. *Hedysarum lagenarium* Roxb., *Aeschynomene indica* var. *aspera* Hassk. Ex Miq.

3. Systematic Position: APG IV; Bentham and Hooker:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae
- Subfamily: Faboideae
- Genus: *Aeschynomene* L.
- Species: *Aeschynomene aspera* 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.
Species: *Aeschynomene aspera* L.

4. Distribution:

Global Asia

India Throughout

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

6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Aquatic legume

8. **Life Form:** Annual

9.Economic Importance:Handicrafts

10. Probable Progenitor of:

11.DNA

C-value Methodology

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

13. Zygotic chromosome number(s): $2n=40^{1,5}$

14. Gametic chromosome number(s): $n=20^{1,6}$

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:¹

Karyotype Majority metacentric/submetacentric chromosomes

Chromosome size

NOR chromosome(s)

Degree of asymmetrySymmetrical

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

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc.):