

Species Datasheet

Datasheet No. A-140.086.004
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species:*Aeschynomene indica* L.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Aeschynomene hispida* auct., *Aeschynomene virginica* auct. mult.

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

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Subfamily: Faboideae Rudd
- Genus: *Aeschynomene* L.
- Species: *Aeschynomene indica* L.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: LeguminosaeJuss.
Subordo: PapilionaceaeGiseke
Genus: *Aeschynomene* L.
Species: *Aeschynomene indica* L.

4.Distribution:

Global Africa, Asia, Australia, Americas

India Jammu-Kashmir

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

6.Threat Status:

IUCN

BSI

7.Habit and Habitat:Erect branching herb, with scattered spreading hairs on stem and stalks

8.Life Form:Annual / Perennial

9.Economic Importance:Green Fertilizer. Medicinal. Industrial raw material

10. Probable Progenitor of:

11.DNA

C-value Methodology

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

13. Zygotic chromosome number(s): $2n=40^{1,3,7,8,9}$

14. Gametic chromosome number(s): $n=20^{1,3,9}$

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 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.):