

Species Datasheet

Datasheet No. A-140.005.002
(family. genus. species)

DBT- Network Programme

1. Taxon:

Species: *Codariocalyx motorius* (Houtt.) H. Ohashi

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Codariocalyx gyrans* (L.f.) Hassk., *Desmodium gyrans* (L.f.) DC., *D. gyrans* var. *roylei* (Wight & Arn.) Baker, *D. motorium* (Houtt.) Merr., *D. roylei* Wight & Arn., *Hedysarum gyrans* L.f., *H. motorium* Houtt., *H. motorium* Panzer, *Meibomia gyrans* (L.f.) Kuntze

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Genus: *Codariocalyx* Hassk..
- Species: *C. motorius* (Houtt.) H. Ohashi

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: *Codariocalyx* Hassk..
Species: *C. motorius* (Houtt.) H. Ohashi

4. Distribution:

Global: Asia, Australasia, Caribbean, Indian Ocean and Pacific Ocean

India: Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Delhi, Goa, Haryana, Himachal Pradesh, Jammu-Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Mizoram, Nagaland, Orissa, Pondicherry, Punjab, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh and West Bengal

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Shrub; It grows in tropical climate

8. Life Form: Chamaephytes

9. Economic Importance: Ornamental

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s): $x=11^1$

13. Zygotic chromosome number(s): $2n=22^{1,2}$

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, aneusomy, polysomy):

21.Somatic chromosomes:¹

Karyotype Majority metacentric /submetacentric chromosomes

Chromosome size

NOR chromosome(s)

Degree of asymmetry Symmetrical

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.):