

Species Datasheet

Datasheet No. A-074.003.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species *Dracaena angustifolia* (Medik) Roxb.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Cordyline fruticosa* Göpp. [Invalid], *C. rumphii* Hook., *Dracaena angustifolia* var. *angustior* (Ridl.) Jankalski, *D. angustifolia* var. *honoriae* F.M. Bailey, *D. australasica* (Ridl.) Jankalski, *D. ensiformis* Wall. ex Voigt, *D. fruticosa* K.Koch, *D. fruticosa* Regel [Illegitimate], *D. linearifolia* K.Kurz, *D. menglaensis* G.Z.Ye, *D. quitensis* Baker, *D. rumphii* (Hook.) Regel, *Draco angustifolia* (Roxb.) Kuntze, *D. fruticosa* (K.Koch) Kuntze, *P. inermis* Blanco [Illegitimate], *Pleomele angustifolia* (Medik.) N.E.Br., *P. angustifolia* var. *angustior* Ridl., *P. australasica* Ridl., *P. flexuosa* (Blume) N.E.Br., *P. fruticosa* (K.Koch) N.E.Br., *Sansevieria flexuosa* Blume, *S. fruticosa* Blume [Illegitimate], *Terminalis angustifolia* Medik.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales
- Family: Asparagaceae Juss.
- Genus: *Dracaena* L.
- Species: *D. angustifolia* Roxb.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledons
Series: Coronarieae
Ordo: Liliaceae Juss.
Tribus: Dracaeneae Dumort.
Genus: *Dracaena* L.
Species: *D. angustifolia* Roxb.

4. Distribution:

Global: China, Indian subcontinent, Indo-China, Malaysia, Papuaasia, Australia.

India: Andaman Nicobar Islands, North East India, North East Himalaya.

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Shrubby, rhizomatous plant, height- 1-3 m; grows in Tropical Moist Forest

8. Life Form: Phanerophyte

9. Economic Importance: Leaves harvested from wild for local use as food and medicine. Medicinally used for treatment of asthma, shortness of breath, people suffering weight loss and poor appetite.

10. Probable Progenitor of:

11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s): $n=20^1$

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

Image file

27. Chromosome distribution at anaphase I:

28. Genetic diversity:

Chromosomal level

Image file

DNA level

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