

Species Datasheet

Datasheet No. A-098.001.048
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Cyperus platyphyllus* Roem. & Schult.

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Cyperus elatus* Roxb., *C. eminens* Klein ex Kunth, *C. fastigiatus* Vahl, *C. latifolius* (Willd.) M.R. Almeida, *C. maximus* Roxb. ex Nees, *C. roxburghii* Nees, *Papyrus latifolius* Willd.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocots
- Clade: Commelinids
- Order: Poales Small
- Family: Cyperaceae Juss.
- Genus: *Cyperus* L.
- Species: *C. platyphyllus* Roem. & Schult.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Glumaceae
Ordo: Cyperaceae Juss.
Genus: *Cyperus* L.
Species: *C. platyphyllus* Roem. & Schult.

4. Distribution:

Global: Sri Lanka and India

India: Peninsular India

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

6. Threat Status:

IUCN: Least Concern

BSI

7. **Habit and Habitat:** Herb. Growing in marshy places at low altitude.

8. **Life Form:** Rhizomatous geophyte

9. **Economic Importance:** Used as a medicinal plant in Andhra Pradesh.

10. **Probable Progenitor of:**

11. **DNA**

C-value Methodology:

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

13. Zygotic chromosome number(s): $2n=$

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

15. Specialized chromosomes (B chromosomes/Sex chromosomes/polytene chromosomes/Neocentric chromosomes):

Image file

16. Ploidy level:

Image file

17. Agamete ploidy:

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

19. Genomic formula:

20. Aberrant chromosome number(s) (aneuploidy, aneusomy, polysomy):

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 (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):