Species Datasheet

Datasheet No. P-013.001.002
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Lygodium flexuosum* (L.) Sw.

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms:

Hydroglossumflexuosum (L.) Willd.
Ophioglossumflexuosum L.
Ramondiaflexuosa (L.) Mirb.

3.Systematic Position:
Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Schizaeales Shimp
- Family: Lygodiaceae M.Roem.
- Subfamily:
- Genus: *Lygodium* Sw.
- Species: *Lygodium flexuosum* (L.) Sw.
- Subspecies:

4.Distribution:

Global: Tropics and sub tropics of the world (Chittagong and Chittagong Hill Tracts.)

India: Throughout Kerala

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat: Scrambler fern,Terrestrial, in all habitats from coastal plains to mosit deciduous and semi evergreen forests

8.LifeForm: Herbaceous perennial

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s):x=28 [5, 16, 22], 29[2, 20, 23, 24] ,30[1, 8, 11, 17]

13. Zygotic chromosome number(s):2n=112[16, 22]

14. Gametic chromosome number(s):n=56[5, 16] ,

58 [2, 20, 23, 24] ,

60[1, 8, 11, 17]

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

Image file

16.Ploidy level: Tetraploid (sexual) [1, 2, 5, 8, 11, 16, 17, 20, 23, 24],

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 Tetraploid:56II[5, 16] , 58II [2, 20, 23, 24] , 60II[1, 8, 11, 17]

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;Translocationsetc.):