

Species Datasheet

Datasheet No. P-040.004.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Stenochlaena palustris* (Burm. f.) Bedd.

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Acrostichumpalustre (Burm. f.) C.B. Clarke

Lomariascandens Willd.

Lomariopsispalustris (Burm. f.) Kuhn

Lomariopsisscandens Mett.

Olfersiascandens (Willd.) C. Presl

Polypodiumpalustre Burm. f.

Pterisscandens (Willd.) Roxb.

Stenochlaenascandens J. Sm.

3. Systematic Position:

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- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Blechnaceae Newman
- Subfamily:
- Genus: *Stenochlaena* J.Sm.
- Species: *Stenochlaena palustris* (Burm.f.) Bedd.
- Subspecies:
- Variety:

4. Distribution:

Global:Australia, Myanmar, Fiji, Malaysia, Polynesia and China

India:Eastern Himalaya (Darjeeling),Kerala (Throughout)

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Growing in wet, marshy areas from homesteads of plains to forests of low altitudes, tropical climbers

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value	Methodology
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12.Basic chromosome number(s): $x=74^{1,3,4,9}$, $73^{7, 11}$

13. Zygotic chromosome number(s): $2n=c.146^{11}$,

$c.148^6$,

148^9

14. Gametic chromosome number(s): $n=74^{1,3,4}$,

$c.74^5$,

$73^{7, 11}$,

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

Image file

16.Ploidy level:Diploid (sexual) ^{1, 3, 4, 5, 7} ,

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^{74II^{1,3, 4}},

c.^{74II⁵},

^{73II⁷}

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.):