

Species Datasheet

Datasheet No. P-051.023.021
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Lepisorus scolopendrium* Mehra & Bir

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Lepisorus excavatus var. *scolopendrium* Ching

Lepisorus leiopteris (Kunze) Bir & Trikha

Pleopeltis scolopendrium Alston & Bonner

Polypodium excavatum var. *concolor* Takeda

Polypodium leiopteris Kunze

3. Systematic Position:

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- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Polypodiaceae J. Presl & C. Presl
- Subfamily: Microsoroideae B.K. Nayar
- Genus: *Lepisorus* (J. Smith) Ching
- Species: *Lepisorus scolopendrium* Mehra & Bir
- Subspecies:
- Variety:

4. Distribution:

Global: India, Tibet, China, N Thailand

India: Jammu& Kashmir, Himachal Pradesh, Sikkim, Darjeeling, Meghalaya, Nagaland, Tripura

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Grows as an epiphyte or lithophyte in the forest. A very common to abundant between 1800 and 3000m altitude, Pindari, Dhakuri, Khati, Madhari, Sikhar

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=31^{29}, 36^5, 12, 35$

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

14. Gametic chromosome number(s): $n=31^{29}, 36^5, 11, 12, 35$

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

Image file

16.Ploidylevel:Diploid (sexual)^{5, 11, 12, 29, 35}

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 31II^{29} , 36II 5, 11, 12 , 35

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.):