Species Datasheet

Datasheet No. P-042.004.001
(family.genus.species)

DBT- Network Programme

1.Taxon:

Species: *Goniopteris prolifera* (Retz.) C. Presl

Subspecies:
Variety:
Cultivar
Hybrid

Image file

2. Synonyms: Nil

3.Systematic Position:
Christenhusz 2011

- Class: EquisetopsidaC.Agardh
- Subclass: PolypodiidaeCronquist, Takht. &Zimmerm.
- Order: Polypodiales Link.
- Family: Thelypteridaceae Pic. Serm.
- Subfamily:
- Genus: *Goniopteris* C.Presl.
- Species: *Goniopteris prolifera* (Retz.) C.Presl
- Subspecies*:*
- *Variety:*

4.Distribution:

Global:widely distributed from Africa, through mainland Asia to New Guinea, Australia and New Caledonia

India: throughout, Himachal Pradesh, Uttar Pradesh, Haryana, Indian Punjab, Sikkim, Darjeeling, Meghalaya, Nagaland, Madhya Pradesh, Pachmarhi Hills

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:scrambling fern with stems up to 4 metres long growing from a short-creeping rhizome 4 - 10mm in diameter. The plant produces proliferous buds scattered along the rachis of the fronds which can develop into new plantsMostly found in full sunlight, and is often found scrambling amongst tall grasses, sedges or shrubs in freshwater swamps, or beside rivers, ponds and lakes, at elevations up to 1,250 metres

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of: The plant is harvested from the wild for local use as a food and medicine. It is sometimes grown as an ornamental

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=36[2, 3, 5]

13. Zygotic chromosome number(s):2n=72[5]

14. Gametic chromosome number(s):n=36 [2, 3, 5]

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

Image file

16.Ploidylevel: Diploid (sexual)[2, 3, 5]

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 meiosis36II [2, 3, 5]

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.):