

Species Datasheet

Datasheet No. P-030.009.001
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Doryopteris concolor* (Langsd. & Fisch.) Kuhn

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Allosorusconcolor (Langsd. & Fisch.) Kuntze

Cheilanthesconcolor (Langsd. & Fisch.) R.M. Tryon & A.F. Tryon

Cheilantheskirkii Hook.

Cheilanthespohliana Mett.

Doryopterisconcolor var. *concolor*

Doryopterisgeraniifolia (Raddi) Klotzsch

Doryopterisnicklesii Tardieu

Pellaeaconcolor (Langsd. & Fisch.) Baker

Pellaeacontracta (Kunze) Fée

Platylomageraniifolia (Raddi) Lowe

Pterisbrownii Desv.

Pterisheilantoides Hayata

Pterisconcolor Langsd. & Fisch.

Pterisgeraniifolia Raddi

Pterismysorensis Fée

Pterispedata L.

Pterispohliana C. Presl

3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Pteridaceae E.D.M. Kirchn
- Subfamily: Cheilanthesoideae W.C. Shieh

- Genus: *Doyopteris* J.Sm.
- Species: *Doyopteris concolor* (Langsd. & Fisch) Kuhn
- Subspecies:

4.Distribution:

Global:Sporadic in Swaziland and currently known from the north-western corner of Swaziland and the Lubombo mountain range only Widespread in sub-Saharan Africa and the western Indian Ocean region.

India:

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

6.Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial or epilithic, in deep shade in leaf-litter and on rocks in seasonally moist evergreen forests , occurring at altitudes ranging between 500 and 1 065 m.

8.Life Form:

9.Economic Importance:

10. Probable Progenitor of:

11.DNA

C-value Methodology

12.Basic chromosome number(s): $x=30^1$, 2, 3, 4, 5, 6, 8, 9

13. Zygotic chromosome number(s): $2n=60^1$

14. Gametic chromosome number(s): $n=30^{2, 3, 4, 5, 6, 8, 9}$,

60^7

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

Image file

16.Ploidylevel:Diploid (sexual)^{1,2, 3, 4, 5, 6, 8, 9}

Tetraploid (sexual)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 Diploid: $30\text{II}^{2, 3, 4, 5, 6, 8, 9}$,

Tetraploid: 60II^7

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.):