

# Species Datasheet

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Datasheet No. P-044.001.001  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

**Species:** *Hypodematium crenatum* (Forssk.) Kuhn ([unresolved](#))

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms:

[Aspidiumchrysolepis](#) Fée

[Aspidiumeriocarpum](#) Wall. ex Mett.

[Aspidiumodoratum](#) Bory ex Willd.

[Cystopterisodorata](#) (Bory ex Willd.) Desv.

[Dryopteriscrenata](#) (Forssk.) Kuntze

[Dryopterisfauriei](#) Kodama

[Hypodematiumeriocarpum](#) (Wall. ex Mett.) Ching

[Hypodematiumfauriei](#) (Kodama) Tagawa

[Hypodematiumhirsutum](#) (D. Don) Ching

[Hypodematiumonustum](#) Kunze

[Lastreacrenata](#) (Forssk.) Bedd.

[Lastreaeriocarpa](#) (Wall. ex Mett.) C. Presl

[Lastreahirsuta](#) (D. Don) T. Moore

[Nephrodiumeriocarpum](#) (Wall. ex Mett.) Decne.

[Nephrodiumhirsutum](#) D. Don

[Nephrodiumodoratum](#) (Bory ex Willd.) Baker

## 3. Systematic Position:

Christenhusz 2011

- Class: Equisetopsida C. Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Hypodematiaceae Ching
- Subfamily:
- Genus: *Hypodematium* Kunze

- Species: *Hypodematium crenatum* (Forssk.) Kuhn (unresolved)
- Subspecies:
- Variety:

#### 4.Distribution:

**Global:**China (Anhui, Beijing, E Gansu, Guangdong, Guangxi, Guizhou, Henan, Jiangxi, Sichuan, Yunnan, Zhejiang) Taiwan,N India, Japan, Malaysia, Myanmar, Philippines; Africa, SW and subtropical regions of Asia

**India:** Himalayas, peninsular India

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

#### 6.Threat Status:

**IUCN:**

**BSI:**

**7.Habit and Habitat:**Crevices of limestone rocks in xeric areas, on brick walls under highly xerophytic conditions; sea level to 1800 m

#### 8.Life Form:

#### 9.Economic Importance:

#### 10. Probable Progenitor of:

#### 11.DNA

**C-value**      **Methodology**

**12.Basic chromosome number(s):** $x=41^{1, 4, 5, 6, 9, 10, 12, 13, 14, 15}$

**13. Zygotic chromosome number(s):** $2n=82^{12, }$

$123^{6, 13, }$

$164^2$

**14. Gametic chromosome number(s):** $n=41^{1, 4, 5, 6, 9, 10, 12, 13, 14, 15}$  ,  
 $82^{3, 4, 7}$  ,  
 $123^8$

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

Image file

**16.Ploidylevel:**Diploid (sexual)  $^{1, 4, 5, 6, 9, 10, 12, 13, 14, 15}$  ,  
Triploid (hybrid, sterile)  $^{6, 13}$  ,  
Tetraploid (sexual) $^{2, 3, 4, 7}$  ,  
Hexaploid (sexual)  $^8$

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:**  $41 \text{ II}^1, 4, 5, 6, 9, 10, 12, 13, 14, 15$ ,

Triploid:  $41 \text{ II} + 41 \text{ I}^{13}, 5 \text{ III} + 47 \text{ II} + 14 \text{ I}^6$ ,

Tetraploid:  $82 \text{ II}^{3, 4, 7}$

Hexaploid:  $123 \text{ II}^8$

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.):**