

# Species Datasheet

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Datasheet No. P-041.002.012  
(family.genus.species)

DBT- Network Programme

## 1.Taxon:

**Species:** *Athyrium falcatum* Bedd. ([unresolved](#))

Subspecies:

Variety:

Cultivar

Hybrid

Image file

## 2. Synonyms: Nil

## 3.Systematic Position:

### Christenhusz 2011

- Class: Equisetopsida C.Agardh
- Subclass: Polypodiidae Cronquist, Takht. & Zimmerm.
- Order: Polypodiales Link.
- Family: Athyriaceae Alston
- Subfamily:
- Genus: *Athyrium* Roth
- Species: *Athyrium falcatum* Bedd. ([unresolved](#))
- Subspecies:
- Variety:

## 4.Distribution:

### Global:

**India:** Western Himalayas, central and South India

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

## 6.Threat Status:

IUCN:

**BSI:**

**7.Habit and Habitat:**Grows in shaded rocks

**8.Life Form:**

**9.Economic Importance:**

**10. Probable Progenitor of:**

**11.DNA**

**C-value            Methodology**

**12.Basic chromosome number(s):** $x=40^{13, 37, 47, 53}$

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

**14. Gametic chromosome number(s):** $n=40^{13, 37, 47, 53}$  ,  $80^{49, 68, 69}$

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

Image file

**16.Ploidy level:** Diploid (sexual) $^{13, 37, 47, 53}$  ,

Tetraploid (sexual) $^{49, 68, 69}$

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:40II<sup>13, 37, 47, 53</sup> ,

Tetraploid:  $80II^{49, 68, 69}$

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.):**