

# Species Datasheet

Datasheet No. A-028.005.027  
(family.genus.species)

DBT- Network Programme

-

## 1. Taxon:

Species *Arisaema petiolulatum* Hook.f.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Arisaema inkiangense* H.Li, *A. inkiangense* var. *maculatum* H.Li, *A. listeri* Prain ex Burkill

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperm
- Clade: Monocotyledones
- Order: Alismatales R. Br. ex Bercht. & J. Presl
- Family: Araceae Juss.
- Genus: *Arisaema* Mart.
- Species: *A. petiolulatum* Hook.f.

### Bentham and Hooker (1862)

Kingdom: Plantae  
Division: Phanerogamia  
Class: Monocotyledones  
Series: Nudiflorae  
Ordo: Aroideae Arn.  
Genus: *Arisaema* Mart.  
Species: *A. petiolulatum* Hook.f.

## 4. Distribution:

**Global:** China, India and Myanmar

**India:** East Himalaya

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

## 6. Threat Status:

**IUCN:**

**BSI:**

7. **Habit and Habitat:** Perennial tuberous herbs grows in Mediterranean Forest, woodlands and Scrub

8. **Life Form:** Tuberous Geophyte

9. **Economic Importance:**

10. **Probable Progenitor of:**

## 11. DNA

C- value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s):

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

Image file

16. Ploidy level:

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**

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; Translocations etc):**