

# Species Datasheet CalU+SUK-Phase I

Datasheet No. A-097.001.003  
(family.genus.species)

DBT- Network Programme

## 1. Taxon:

Species: *Juncus benghalensis* Kunth

Subspecies

Variety

Cultivar

Hybrid

Image file

2. **Synonyms:** *Juncus benghalensis* var. *kyongnoslae* Chhetri, Hynn. & A.A.Ansari, *J. bracteatus* Buchenau, *J. sphenostemon* Buchenau

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Poales Small
- Family: Juncaceae Juss.
- Genus: *Juncus* L.
- Species: *J. benghalensis* Kunth

### Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Monocotyledones
- Series: Calycineae
- Ordo: Juncaceae Juss.
- Genus: *Juncus* L.
- Species: *J. benghalensis* Kunth

## 4. Distribution:

**Global:** Bangladesh, China, India, Nepal, Pakistan, Tibet

**India:** Arunachal Pradesh, Himachal Pradesh, Jammu and Kashmir, Sikkim, Uttar Pradesh, West Bengal

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

## 6. Threat Status:

IUCN

BSI

7. **Habit and Habitat:** Rhizomatous herb; rocky mountain slopes, wet meadows; 2200-4200 meters

## 8. Life Form:

## 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, aneusomy, polysomy):**

**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; Translocation etc):**