Species Datasheet

Datasheet No. A-073.002.011 **DBT- Network Programme**
(family.genus.species)

1. Taxon:

Species *Allium chitralicum* Wang & Tang
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms: *Allium badakhshanicum* Wendelbo, *A. chitralicum* var. *bifoliatum* F.T.Wang & Tang, *A. pauli* Vved.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Amaryllidaceae J. St.-Hil.
- Subfamily: Allioideae Herb.
- Genus: *Allium* L.
- Species: *A. chitralicum* Wang & Tang

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Monocotyledones
Series: Coronarieae
Family: Liliaceae Juss.
Genus: *Allium* L.
Species: *A. chitralicum* Wang & Tang

4. Distribution:

Global: Afghanistan, India, Pakistan, Tadzhikistan

India: Himachal Pradesh, Jammu and Kashmir

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

6. Threat Status:

IUCN: Not been assessed yet

BSI:

7. Habit and Habitat: Herbaceous, height~ 13-50cm; Temperate, high altitude between 2200 m and 3300m.

8. Life Form: Bulbous geophyte

9. Economic Importance:

10. Probable Progenitor of:

11. DNA

C- value	**Methodology**
2C (68.69pg)[99]	Flow Cytometry[99]

12. Basic chromosome number(s):

13. Zygotic chromosome number(s): 2n=16[196]

2n=32[99,196,197]

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):