

Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-240.001.014
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Acer sikkimense* Miq.

Subspecies

Variety

Cultivar

Hybrid

Image file

2. Synonyms: *Acer hookeri* Miq., *A. hookeri* f. *majus* (Pax) Schwer., *A. hookeri* var. *majus* Pax, *A. hookeri* var. *orbiculare* W.P.Fang & Y.T.Wu, *A. sikkimense* f. *rufinerve* A.E.Murray, *A. sikkimense* f. *serrulatum* (Pax) Schwer., *A. sikkimense* f. *subintegrum* Schwer., *A. sikkimense* subsp. *hookeri* (Miq.) Wesm., *A. sikkimense* var. *serrulatum* Pax, *A. sikkimense* var. *sikkimense*, *A. sikkimense* var. *subintegrum* Schwer.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Superrosids
- Clade: Rosids
- Order: Sapindales Juss. Ex Bercht. & J. Presl
- Family: Sapindaceae Juss.
- Genus: *Acer* L.
- Species: *A. sikkimense* Miq.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Disciflorae
- Cohors: Sapindales Juss. Ex Bercht. & J. Presl
- Ordo: Sapindaceae Juss.
- Genus: *Acer* L.
- Species: *A. sikkimense* Miq.

4. Distribution:

Global: Bhutan, Myanmar, China, India, Nepal, Vietnam, Yunnan

India: Assam, Sikkim

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

6. Threat Status:

IUCN: Least concern

BSI:

7. Habit and Habitat: Tree; mixed forests

8. Life Form: Phanerophytes

9. Economic Importance: Ornamental

10. Probable Progenitor of:

11. DNA

C-value

Methodology

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s): $n=13^{4,6,9}$

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 (Apoixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability; Translocation etc):