

Species Datasheet

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Datasheet No. G-011.007.006
(family.genus.species)

1.Taxon:

Species:

Subspecies:

Variety: *Juniperus polycarpus* var. *seravschanica*(Kom.) Kitam.

Cultivar:

Hybrid:

Image file

2. Synonyms:[*Juniperus excelsa* Griff.](#), [*J. excelsa* subsp. *seravschanica* \(Kom.\) Imkhan.](#), [*J. himalayaensis* Carriere](#), [*J. kulsaica* V.D. Dmitriev](#), [*J. macropoda* Boiss.](#), [*J. polysperma* V.D. Dmitriev](#), [*J. seravschanica* Kom.](#), [*J. zaaminica* V.D. Dmitriev](#), [*Sabina seravschanica* \(Kom.\) Nevski](#)

3.Systematic Position:

Christenhusz et al. (2011)

- Class: Equisetopsida C. Agardh
- Subclass: Pinidae Cronquist
- Order: Cupressales Link
- Family: Cupressaceae Gray
- Genus: *Juniperus* L.
- Species: *J. polycarpus* K. Koch
- Variety: *J. polycarpus* var. *seravschanica* (Kom.) Kitam.

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus: Cupressineae
Genus: *Juniperus* L.
Species: *J. polycarpus* K. Koch
Variety: *J. polycarpus* var. *seravschanica* (Kom.) Kitam.

4.Distribution:

Global: Afghanistan, Kazakhstan, Kyrgyzstan, Tajikistan, eastern Turkmanistan, eastern Uzbekistan, North Pakistan, Northwest India

India: Northwest India (Kashmir)

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

6. Threat Status:

IUCN:

BSI:

7. Habit and Habitat: Evergreen Tree 15 m tall

8. Life Form: Phanerophytes

9. Economic Importance: Horticulture

10. Probable Progenitor of:

11. DNA

C-value	Methodology
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12. Basic chromosome number(s): $x=11^{7, 14}$

13. Zygotic chromosome number(s): $2n=22^{14}$

14. Gametic chromosome number(s): $n=11^{14}$

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

Image file

16. Ploidy level: Diploid¹⁴

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:¹⁴

Karyotype Median and submedian¹⁴

Chromosome size Large¹⁴

NOR chromosome(s) 2¹⁴

Degree of asymmetry Symmetrical¹⁴

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 meiosis11II ¹⁴

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.):