Species Datasheet

-

Datasheet No. G-011.007.004
(family.genus.species)

1.Taxon:

Species: *Juniperusindica*Bertol.
Subspecies:
Variety:
Cultivar:
Hybrid:

Image file

2. Synonyms:*Juniperus wallichiana* Hook.f. & Thomson ex E.Brandis, *J. wallichiana* Hook.f. & Thomson ex Parl., *J. wallichiana* var. *meionocarpa* Hand.-Mazz., *Sabina indica* (Bertol.)L.K.Fu&Y.F.Yu, *S. wallichiana* (Hook.f.& Thomson ex E.Brandis) W.C.Cheng&L.K.Fu, *S. wallichiana* var. *meionocarpa* (Hand.-Mazz.) W.C.Cheng&L.K.Fu

3. Systematic Position:

Christenhusz*et al.* (2011)

- Class: Equisetopsida C. Agardh
- Subclass: PinidaeCronquist
- Order: Cupressales Link
- Family:Cupressaceae Gray
- Genus: *Juniperus*L.
- Species: *J. indica*Bertol.

Bentham and Hooker (1862)
Kingdom: Plantae
Division: Phanerogamia
Class: Gymnospermeae
Ordo: Coniferae
Tribus: Cupressineae
Genus: *Juniperus*L.
Species: *J. indica*Bertol.

4.Distribution:

Global: Bhutan, China, Yunnan, India Nepal, Pakistan
India: Jammu & Kashmir, Sikkim,All along the Himalayas from west to east

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

6.Threat Status:

IUCN: Least concern

BSI:

7.Habit and Habitat: An understorey shrub or tree (6-9 m tall), Upper montane coniferous forest and woodland in pure or mixed stands, montane to alpine climate with pronounced summer monsoon Himalayas: on mountain slopes: 2600-5100 m.

8.LifeForm: Phanerophytes

9.Economic Importance: Its wood is used for fuel and branches and foliage are burned as incense in Buddhist temples.

10. Probable Progenitor of:

11.DNA

C-value **Methodology**

12.Basic chromosome number(s):x=11[7, 13, 14]

13. Zygotic chromosome number(s):2n=44[13, 14]

14. Gametic chromosome number(s):n=

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

Image file

16.Ploidy level: Tetraploid[13, 14]

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;Translocationsetc.):