

Species Datasheet

Datasheet No. A-061.080.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Ponerorchischusua* (D. Don) Soó

Subspecies:

Variety:

Cultivar

Hybrid

Image file

2. Synonyms:

Amitostigmabeesianum (W.W.Sm.) Tang & F.T.Wang, *Chusua donii* Nevski, *Chusua nana* (King & Pantl.) Pradhan, *Chusua pauciflora* (Lindl.) P.F.Hunt, *Chusua pulchella* (Hand.-Mazz.) P.F.Hunt, *Chusuaroborowskyi* var. *delavayi* (Schltr.) P.F.Hunt, *Chusuaroborowskyi* var. *giraldiana* (Kraenzl.) P.F.Hunt, *Chusuaroborowskyi* var. *nana* (King & Pantl.) P.F.Hunt, *Chusuaroborowskyi* var. *tenii* (Schltr.) P.F.Hunt, *Chusuaroborowskyi* var. *unifoliata* (Schltr.) P.F.Hunt, *Chusua secunda* Nevski [Illegitimate], *Gymnadeniachusua* (D. Don) Lindl., *Gymnadeniachusua* (D. Don) Lindl. ex Wall., *Gymnadeniachusua* var. *nana* (King & Pantl.) Finet, *Gymnadenia pauciflora* Lindl., *Gymnadeniapuberula* Lindl. ex Wall. [Invalid], *Habenariachusua* (D. Don) Benth., *Orchis beesiana* W.W.Sm., *Orchis chusua* D. Don, *Orchis chusua* var. *delavayi* (Schltr.) Soó, *Orchis chusua* var. *nana* King & Pantl., *Orchis chusua* var. *pulchella* (Hand.-Mazz.) Tang & F.T.Wang, *Orchis chusua* var. *tenii* (Schltr.) Soó, *Orchis delavayi* Schltr., *Orchis giraldiana* Kraenzl., *Orchis mairei* H.Lév., *Orchis nana* (King & Pantl.) Schltr., *Orchis parcifloroides* Hand.-Mazz., *Orchis pauciflora* Fisch. ex Lindl. [Invalid], *Orchis pulchella* Hand.-Mazz., *Orchis secunda* (Nevski) Vorosch. [Illegitimate], *Orchis tenii* Schltr., *Orchis unifoliata* Schltr., *Ponerorchis beesiana* (W.W.Sm.) Soó, *Ponerorchischusua* var. *delavayi* (Schltr.) Soó, *Ponerorchischusua* var. *giraldiana* (Kraenzl.) Soó, *Ponerorchischusua* var. *nana* (King & Pantl.) R.C.Srivast., *Ponerorchischusua* subsp. *nana* (King & Pantl.) Soó, *Ponerorchischusua* var. *tenii* (Schltr.) Soó, *Ponerorchischusua* var. *unifoliata* (Schltr.) Soó, *Ponerorchis nana* (King & Pantl.) Soó, *Ponerorchis pauciflora* (Lindl.) Ohwi, *Ponerorchis pulchella* (Hand.-Mazz.) Soó

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Monocots
- Order: Asparagales Link
- Family: Orchidaceae Juss.
- Subfamily: Orchidoideae
- Tribe: Orchideae
- Subtribe: Orchidinae
- Genus: *Ponerorchis* Rchb.f.
- Species: *Ponerorchischusua* (D. Don) Soó

4. Distribution:

Global: India, Bhutan, China, Nepal, Myanmar, Korea, Russia, Japan

India: Sikkim, West Bengal, Himachal Pradesh, Uttarakhand

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

6. Threat Status:

IUCN:

BSI:

7.Habit and Habitat:Terrestrial tuberous herb

8.Life Form:Cryptophytes

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, 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; Translocation etc.):