

Species Datasheet

Datasheet No. A-140.025.002
(family.genus.species)

DBT- Network Programme

1. Taxon:

Species: *Argyrolobium roseum* (Cambess.) Jaub. & Spach

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Argyrolobium album* P.K.Bhattach., *A. kotschyi* Boiss., *A. prostratum* Boiss., *A. roseum* subsp. *elongatum* Ali, *A. roseum* subsp. *roseum*, *Cytisus roseus* Cambess.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae Lindl.
- Subfamily: Faboideae Rudd
- Genus: *Argyrolobium* Eckl. & Zeyh.
- Species: *A. roseum* (Cambess.) Jaub. & Spach

Bentham and Hooker (1862)

Kingdom: Plantae
Division: Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: Rosales Bercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: Papilionaceae Giseke
Genus: *Argyrolobium* Eckl. & Zeyh.
Species: *A. roseum* (Cambess.) Jaub. & Spach

4. Distribution:

Global: Afghanistan, Arabia, Iran, Nepal, Pakistan

India: Western Himalaya up to 2500 m, plains of North West India

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

6. Threat Status:

IUCN:

BSI:

7. **Habit and Habitat:** Prostrate herb. Mostly grows in waste places in dry sandy clay.

8. **Life Form:** Chamaephytes

9. **Economic Importance:** Methanolic extracts of *Argyrolobium roseum* protect the liver function from the hepatotoxic effect of paracetamol.

10. Probable Progenitor of:

11.DNA

C-valueMethodology

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):

14. Gametic chromosome number(s): $n= 14^5$

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, aneusomy, polysomy):

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):