

# Species Datasheet

Datasheet No. A-140.042.004  
(family.genus.species)

DBT- Networ

## 1. Taxon:

Species: *Colutea paulsenii* Freyn & Bornm. ex Freyn

Subspecies:

Variety:

Cultivar:

Hybrid:

Image file

2. **Synonyms:** *Colutea canescens* Shap., *C. mesantha* Shaparenko ex S. I. Ali, *C. paulsenii* var. *canescens* Browicz, *C. paulsenii* subsp. *mesantha* (Shaparenko ex S. I. Ali) S. I. Ali, *C. paulsenii* subsp. *paulsenii*, *C. rostrata* Gilli

## 3. Systematic Position:

### APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales
- Family: Fabaceae Lindl.
- Genus: *Colutea* L.
- Species: *C. paulsenii* Freyn & Bornm. ex Freyn

### 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: *Colutea* L.  
Species: *C. paulsenii* Freyn & Bornm. ex Freyn

## 4. Distribution:

**Global:** Afghanistan, India, Pakistan, USSR

**India:** Jammu & Kashmir

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

## 6. Threat Status:

**IUCN:**

**BSI:**

7. **Habit and Habitat:** Shrubs. Found in woodland, shrubland, bushland and montane grassland

8. **Life Form:** Chamaephytes

9. **Economic Importance:**

10. **Probable Progenitor of:**

**11. DNA**

**C-value Methodology**

**12. Basic chromosome number(s):**

**13. Zygotic chromosome number(s):**  $2n = 16^1$

**14. Gametic chromosome number(s):**

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

Image file

**16. Ploidy level:** Diploid<sup>1</sup>

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):**