Species Datasheet

1.Taxon:

　　Species: *Smithia sensitiva* Aiton
Subspecies:
Variety:
Cultivar:
　Hybrid:

Image file

2.　Synonyms: *Aeschynomene tribuloides* Baill., *Damapana sensitiva* (Aiton) Kuntze, *Petagnana sensitiva* (Aiton) J.F.Gmel. *Smithia javanica* Benth.,

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: Fabales Bromhead
- Family: Fabaceae Lindl.
- Genus: *Smithia* Aiton
- Species: *S. sensitiva* Aiton

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: *Smithia* Aiton
Species: *S. sensitiva* Aiton

4.Distribution:

　　Global: Temperate and tropical regions of Asia and Australia.

　　India: Andhra Pradesh, Assam, Bihar, Delhi, Goa, Gujarat, Himachal Pradesh, Jharkhand, Karnataka, Kerala, Madhya Pradesh Maharashtra, Meghalaya, Mizoram, Nagaland, Orissa, Pondicherry, Punjab, Rajasthan, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal

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

6.Threat Status:

　　IUCN: Least Concern

　　BSI:

7.Habit and Habitat: Herb, Height ~ 30-90 cm. It is frequent in moist places, road sides and in open forests. Also found in field margins, wetlands; near sea level to 1,000 m.

8.Life Form: Chamaephytes

9.Economic Importance: Tribal people uses the leaves of this species as vegetable and whole plant as a cattle fodder. The plant makes good hay and cattle browse on it. The leaves are a vegetable. In Malagasy, the plant is used as a lotion for headache.

10. Probable Progenitor of:

11.DNA
C-value   **Methodology**

12.Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=38 [1] ,2n=32 [2]

14. Gametic chromosome number(s):n=19 [1, 3]

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;Translocationsetc.):