Final Species Datasheet JamU+CalU+SUK-Phase I

Datasheet No. A-416.007.001 **DBT- Network Programme**
(family.genus.species)

1. Taxon:

Species: *Apiumgraveolens* L.
Subspecies
Variety
Cultivar
Hybrid

Image file

2. Synonyms:*Apium australe* var. *latisectum* H.Wolff, *A. celleri* Gaertn., *A. decumbens* Eckl. & Zeyh., *A. dulce* Mill., *A. graveolens* var. *lusitanicum* (Mill.) DC., *A. graveolens* subsp. *rapaceum* (Mill.) P.D.Sell, *A. integrilobum* Hayata, *A. lusitanicum* Mill., *A. maritimum* Salisb., *A. palustre* Thore, *A. rapaceum* Mill., *A. vulgare* Bubani, *Carum graveolens* (L.) Koso-Pol., *Celeri graveolens* (L.) Britton, *Helosciadium graveolens* (L.) Rojas Acosta, *H. ruta* DC., *H.rutaceum* St.-Lag., *Selinum graveolens* (L.) E.H.L.Krause, *Seseli graveolens* (L.) Scop., *Sison ruta* Burm.f., *Sium apium* Roth, *S. graveolens* (L.) Vest, *Smyrnium laterale* Thunb.

3. Systematic Position:

APG IV (2016)

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicot
- Clade: Asterids
- Clade: Campanulids
- Order: Apiales Nakai
- Family: Apiaceae Lindl.
- Genus:*Apium* L.
- Species:*A.graveolens* L.

Bentham and Hooker (1862)

- Kingdom: Plantae
- Division: Phanerogamia
- Class: Dicotyledons
- Subclass: Polypetalae
- Series: Calyciflorae
- Cohors: Umbellales
- Ordo:Umbelliferae Juss.
- Genus:*Apium* L.
- Species:*A. graveolens* L.

4. Distribution:

Global: Afghanistan, Albania, Algeria, Austria, Azores, Baleares, Belgium, Bulgaria, Canary Island, Corse, Cyprus, Denmark, France, Germany, Great Britain, Greece, Gulf States, Iran, Ireland, Italy, Kazakhstan, Kriti, Krym, Libya, Madeira, Morocco, Netherlands, Oman, Poland, Portugal, Sardegna, Saudi Arabia, Sicilia, South European Russi, Spain, Tadzhikistan, Transcaucasus, Tunisia, Turkey, Turkmenistan, Ukraine, Uzbekistan, West Himalaya, Yemen, Yugoslavia, Amsterdam-St.Paul Island, Argentina Northeast, Argentina Northwest, Argentina South, Bangladesh, Bermuda, Botswana, Brazil South, Buryatiya, Cameroon, Cape Provinces, Cape Verde, Central European Rus, Chatham Island, Chile North, Chile South, China South-Central, Cuba, Czechoslovakia, Dominican Republic, East Aegean Island, Ecuador, Egypt, Eritrea, Ethiopia, Finland, Free State, Guatemala, Hainan, Haiti, Hungary, India, Juan Fernández Island, Kirgizstan, KwaZulu-Natal, Lesotho, Mexico Northwest, Mozambique, Myanmar, Namibia, New Mexico, New Zealand North, New Zealand South, Norfolk Island, Northern Provinces, Norway, Peru, Puerto Rico, Réunion, Sinai, Socotra, St.Helena, Sweden, Switzerland, Trinidad-Tobago, Vietnam

India: Himachal Pradesh**,** Jammu and Kashmir, Panjab, Uttar Pradesh

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

6. Threat Status:

IUCN

BSI

7. Habit and Habitat: Herb

8. Life Form: Phanerophyte

9. Economic Importance: Used as medicinal and food

10. Probable Progenitor of:

11. DNA

C-value	**Methodology**

12. Basic chromosome number(s):

13. Zygotic chromosome number(s):2n=21[1]; 2n=22[2,3,4]

14. Gametic chromosome number(s):n=11[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, 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[6,7]

29. Any other information (Apomixis; Inversion; Male sterility; Pollen grain mitosis; Pollen stainability;Translocationsetc):