# Genus Datasheet

**Datasheet No. A-140.019** **DBT- Network Programme**
(Family.Genus)

**1. Genus:***Pongamia* Vent.

**3.Systematic Position:**

**APG IV (2016)**

- Kingdom: Plantae
- Clade: Angiosperms
- Clade: Eudicots
- Clade: Rosids
- Order: FabalesBromhead
- Family: FabaceaeLindl.
- Genus: *Pongamia* Vent.

**Bentham and Hooker (1862)**
Kingdom: Plantae
Division:Phanerogamia
Class: Dicotyledons
Subclass: Polypetalae
Series: Calyciflorae
Cohors: RosalesBercht. & J. Presl
Ordo: Leguminosae Juss.
Subordo: PapilionaceaeGiseke
Genus: *Pongamia* Vent.

**3. Species:**

**Global:**1

**India:**1

**4. Taxonomic riddles:**

**5. Distribution:**

**Global:**Australia, Bangladesh, Bismarck Archipelago, Brunei, Caribbean, China, Djibouti, Egypt, Fiji, Florida, Fujian, Guangdong, Hainan, India, Indonesia, Irian Jaya, Japan, Java, Kalimantan, Lesser Sunda Island, Malaysia, Myanmar, Ngl, Nicaragua, Northern Marianas, Ogasawara-Shoto, Pakistan, Papua New Guinea, Peninsular Malaysia, Philippines, Ryukyu Island, Sabah, Samoa, Singapore, Sri Lanka, Sudan, Sumatra, Taiwan, Tanzania, Thailand, Uganda1, United States, Vietnam, Zaire.
**India:**Andaman Island, Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Christmas, Dadra-Nagar-Haveli, Delhi, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu-Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Mauritius, Meghalaya, Mizoram, Nagaland, Nicobar Island, Orissa, Pondicherry, Punjab, Rajasthan, Reunion, Rodrigues, Seychelles, Sikkim, Tamil Nadu, Tripura, Uttar Pradesh, West Bengal,

**6. Habit and Habitat:**Tree. *P. pinnata* is found in coastal areas, often along beaches or river banks.

**7.Economic Importance:**Medicinal. Green manure. Fuel

**8. DNA content range:** **Methodology**

2C(2.51-2.66 pg) Flow Cytometry[1,2]

**9. Basic chromosome number(s):**x=11[2,3,4]

**10. Zygotic chromosome number(s):**2n=22[2,3,4,5,6,7] , 2n=20 [8]

**11. Gametic chromosome number(s):**n=11[3,4,9,10]

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

**13. Ploidy level:**

**14. Nature of polyploidy (auto, segmental, allo, autoallo):**

**15. Aberrant chromosome number(s) (aneuploidy, aneusomaty, polysomaty):**

**16. Karyograms:**[3,4]**Meiosis:**[3,4,9,10]

**17. Banding pattern(s):**

**18. Physical mapping of chromosomes:GISH:**

**19.Phylogenetic relationship atChromosomal; DNAlevel:**

**20. Cytogenetic mechanism (s) underlying evolution:**

**21. Linkage map:**

**22. Any other information:**