



SIGMA
UNIVERSITY

PONGAMIA PINATA





Synonyms:-

- Hindi: करंज (Karanj)-
- Gujarati: કરંજ (Karanj)-
- English: Pongamia, Indian Beech, Karanja, Pongam Oil Tree

Botanical Name:-

- *Pongamia pinnata* (L.) Pierre

Family:-

- Fabaceae (Pea family)

Chemical Constituents (C.C):-

- Contains karanjin, pongamol (flavonoids), tannins, fatty acids, protein, and essential oils.
- Seeds are rich in non-edible oil used for biodiesel.
- Leaves contain phytochemicals with antimicrobial and anti-inflammatory properties.

Uses:-

- Seeds used for extracting oil used in lamps, biodiesel, and traditional medicine. Wood used as fuelwood and for making agricultural tools.
- Leaves used as fodder and in traditional medicine.
- Bark, leaves, and seeds have medicinal applications for skin diseases, wounds, and inflammation. Used for afforestation, soil erosion control, and as a shade tree.

Market Presentation:-

- Seeds and oil are commercial products for fuel and medicinal use.
- Plants sold for agroforestry, landscaping, and reforestation.