



Mahua Flowers (Fruits)



ABOUT MAHUA FLOWER

- Nature has blessed us extensively with the wide range of diversified plants used for various purposes like decoration, flowering, fruiting and medicinal, etc India is known for wide diversity of such plants, which are utilized traditionally and have significance of being commercialized such as mahua.

- Mahua is one of those plants which is occupying novel space in the ethnic as well as economical life of the traditional people. Mahua flowers have been used in India since ancient times Mahua is India's oldest indigenous alcohol. The Mahua flower is a beautiful yellow flower that spread around the tree.

- Mahua (*Madhuca longifolia*) belongs to family sapotaceae and finds origin in different regions of India, it is known for its medicinal and nutritional properties which are a boon for the pharmacy, liquor, and food industry worldwide.

- Mahua is majorly used in making liquor Mahua is majorly used in making liquor, wine, beer, alcoholic beverage and desi daru ; however, that's not the only use of it. The mahua fruit is considered a natural sweetener.

- Mahua is a perfect contender to emerge as India's national heritage spirit and can become popular on the global stage as well.

- Bexport Hub strives to create immense opportunities for the tribals, farmers, and rural populace of India, by using the potential of mahua flower which is highly instrumental in the physical, mental, and economic upliftment of society.

- Bexport Hub is **Certified member under (APEDA) Agricultural & Processed Food Products Export Development Authority.**



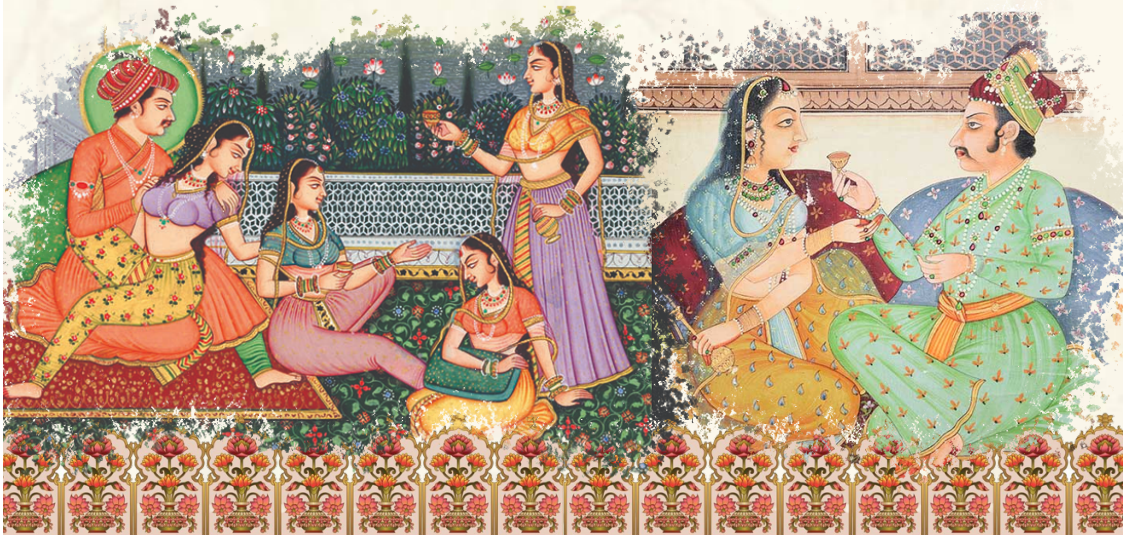
HISTORY OF MAHUA FLOWER



The word "Adivasi" means original inhabitants in Sanskrit. and tribal tribes, many hunter-gatherers whose origins date back to 1500 B.C. And earlier, Mahua has been made for centuries. Their traditions are replete with stories, songs and holy verses about Mahuatri and its many blessings.



- Mahua finds frequent mentions in Vedas. Speculation suggests that what's referred to as Soma in Vedas is actually mahua. According to 'Sushruta Samhita' penned by Sushruta, those who drink 'sweet soma' do not age and remain unaffected by fire, poison, and even weapon attacks.
- Charaka's medicinal book, 'Charaka Samhita' says that a properly regulated amount of mahua, blended in the right proportion is capable of balancing out doshas.
- Charaka Samhita which is the oldest surviving text in Ayurveda also warns about the precautions one must exercise before consuming the drink owing to its alcoholic properties.





BENEFITS, USES & APPLICATIONS



According to the book *Indigenous Herbal Medicines: Tribal Formulations & Traditional Herbal*, Mahua is one of the naturally occurring plants which possess numerous health benefits. Tribal people use mahua flowers for curing of skin diseases, headache, pitta and bronchitis. Flower juice is supplemented to lactating women for augmentation of breast milk.



- Mahua flowers are rich source of sugars which is responsible for its sweet taste and can be utilized to **make indigenous or modern alcoholic beverages.**

- Mahua flowers contains **good amount of Vitamin-C** which is responsible for its antioxidant activity.

- Mahua flower juice, when used as **nasal drop cures eye diseases and headaches.**

- Fried with Ghee, mahua flowers can cure piles as **mahua is a cooling agent.**

- Majorly used to **make Alcohol.**

- Used to **make soaps and detergents.**

- Flower juice is supplemented to lactating women for augmentation of breast milk.



- Various researches have been done to find out medicinal properties of mahua flowers like Antihelmenthic, Antibacterial, Analgesic, Hepatoprotective, Antioxidant, and Anticancer

- Mahua seeds are **used for extracting oil.**

- Mahuva flowers are also used in traditional medicines to treat various ailments, including fever, colds, coughs, and digestive problems.

- Mahua flowers have been **used in traditional Indian medicine for centuries.** They are known to have anti-inflammatory, anti-bacterial, and anti-fungal properties. They are also used to treat skin diseases, digestive disorders, and urinary tract infections.

- Mahua flowers are also **used to treat diabetes, hypertension, and other cardiovascular diseases.**

- Mahua flowers and seeds have healing Power and Curative Properties, **used in Bronchitis, Rheumatism, Diabetes, Piles, Arthritis, Problem of Breast Milk Secretion, Bleeding Gums, Tonsillitis, Eczema, and Skin Disorders.**



ALCOHOLIC USES



- Mahua flowers are traditionally used to make a fermented alcoholic beverage called mahua. The flowers are collected, dried, and then boiled in water to extract the flavour. The liquid is then fermented with yeast and allowed to sit for several days.
- The resulting beverage is a sweet, slightly sour, and slightly alcoholic drink. It is often consumed during festivals and special occasions.
- As for liquor, mahua is a sacred drink for advises, and one of the world's best when distilled properly. Mahua flowers are rich in sugar (68-72%), in addition to a number of minerals and one of the most important raw materials for alcohol fermentation.
- The present investigation was for the development of a non-distilled alcoholic beverage from Mahua flowers.
- Mahua (*Madhuca indica*) has been used for liquor production, for centuries, by the tribals. However, wine from mahua flower is not common. Fermentation conditions were standardized for mahua wine preparation.
- Wine made from different mahua germplasm showed no significant difference in terms of biochemical and sensory quality. The liquor produced from the flowers is largely colourless, with a whitish tinge and not very strong. The taste is reminiscent of sake with a distinctive smell of mahua flowers.

Sr. No.	Constituents	Fresh Flowers	Dry Flowers
1	Moisture	73.6 - 79.82 (% , d.b.)	11.61 - 19.8
2	pH	4.6	
3	Starch (g/100g)	0.94	
4	Ash (%0	1.5	1.4 - 4.36
5	Total Sugars (g/100g)	47.35 - 54.06	4.62
6	Total Inverts (%)	54.24	
7	Cane Sugars (%)	3.43	
8	Reducing Sugars (g/100g)	36.3 - 50.62	28.12
9	Proteins (%)	6.05 - 6.37	5.62



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