



CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (A)


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MOOLIKA VANAM (HERBAL GARDEN) of CBIT




The department of biotechnology aimed at promoting the cultivation of medicinal plants in CBIT campus in **Moolika Vanam (Herbal garden)**. The medicinal plants like *Muehlenbeckia platyclada*, *Bryophyllum pinnatum*, *Mimosa pudica*, *Withania somnifera*, *Ipomoea pes caprae*, *Ruta graveolens*, *Datura stramonium*, *Hydrocotyle umbellata*, *Ocimum gratissimum*, *Clitoria ternatea*, *Mangifera indica*, *Morus alba*, *Artemisia vulgaris*, *Centratherum punctatum*, *Coleus barbatatus* and some more medicinal plants having a range of medicinal properties help in treating various ailments.




Table :List of medicinal plants and their therapeutic uses:




S No	Name of the medicinal plant	No of plants in the vanam	Medicinal/Therapeutic Uses	The Photographs of plants in the field
1	<i>Muehlenbeckia platyclada</i>	6	It is a traditional Chinese medicine used to treat hypertension, bronchitis, and have been traditionally used as diuretic, hypotensive, antihemorrhagic, sedative, antirheumatic, abortive, cicatrizant, antiulcerogenic, anti-inflammatory and anthelmintic agents.	




2	<i>Bryophyllum pinnatum</i> (<i>Ranaphala</i>)	3	It has antibacterial and anti-inflammatory properties, and its leaves are used to treat wounds, burns, skin infections, fever, smallpox, otitis, cough, asthma, headache, convulsion, and general debility.	
3	<i>Mimosa pudica</i>	1	It is also known as the touch-me-not plant, used in Ayurvedic medicine to treat skin disorders, diabetes, dysentery, diarrhea, and respiratory problems.	
4	<i>Withania somnifera</i>	2	Commonly known as ashwagandha, is a popular adaptogen in Ayurvedic medicine, which helps the body to cope with stress and promotes overall well-being. It is used to treat asthma, diabetes, hypertension, stress, arthritic diseases, and cancer.	




5	<i>Ipomoea pescaprae</i>	2	Also called the goat's foot vine, is used in traditional medicine to treat asthma, coughs, inflammation, gastrointestinal disorders, and pain	 A photograph of the Ipomoea pescaprae plant, also known as goat's foot vine. The plant features large, heart-shaped green leaves and several bright pink flowers with darker pink centers. The background is a natural, slightly rocky ground. A small watermark "NParks Flora & Fauna Web" is visible in the bottom right corner of the image.
6	<i>Ruta graveolens</i>	2	Commonly known as rue, is used to treat menstrual cramps, headaches, and arthritis.	 A photograph of the Ruta graveolens plant, commonly known as rue. The plant has dense, finely divided green foliage and several small, bright yellow flowers. The background is a natural, slightly rocky ground.



7	<i>Datura stramonium</i>	1	Also known as thorn apple or jimsonweed, is used in Ayurvedic medicine to treat asthma, coughs, and colds.	 
8	<i>Hydrocotyle umbellata</i>	1	Used to treat wounds, ulcers, and other skin disorders.	



9	<i>Ocimum gratissimum</i> (Clove basil)	1	Also known as holy basil, has antifungal, antibacterial, and anti-inflammatory properties and is used to treat respiratory infections, fever, and diarrhea.	
10	<i>Clitoria ternatea</i>	1	Also known as butterfly pea, is used to treat anxiety, depression, and memory disorders.	
11	<i>Kalanchoe gasteris-bonnierii</i>	1	Used to treat injuries and illnesses related to cellular damage, especially Cancer, Deep Infectious Cuts, Infections and Burns, Tumors, Inflammations, Hypertension.	



12	<i>Morus alba</i>	1	Also known as white mulberry, is used to treat diabetes, high cholesterol, and high blood pressure.	
13	<i>Artemisia vulgaris</i>	4	Also known as mugwort, is used to treat digestive disorders and menstrual cramps.	
14	<i>Centratherum punctatum</i>	1	Also called centella, is used in Ayurvedic medicine to improve memory and treat anxiety and depression.	

15	<i>Adathoda vasica</i>	1	It exhibits Anti-inflammatory action on the respiratory tract and is effective in respiratory tract infection. The alkaloids vasicinone and vasicine have potent bronchodilator and anti-allergic activity, effective in acute asthma conditions.	
16	<i>Stachytarpheta jamaicensis</i>	1	It has been known to demonstrate antacid, analgesic, anti-inflammatory, hypotensive, antihelminthic, diuretic, laxative, lactagogue, purgative, sedative, spasmogenic, vasodilator, vulnerary, and vermifuge properties.	
17	<i>Aloe barbadensis miller</i>	1	Used to treat skin injuries (burns, cuts, insect bites, and eczemas) and digestive problems because of its anti-inflammatory, antimicrobial, and wound healing properties.	

18	<i>Psoralia corylifola</i>	1	The seeds are diuretic, aphrodisiac, laxative, anti-helminthic, and are used in febrile conditions.	
19	<i>Euphorbia tirucalli</i>	1	Useful in treating whooping cough, gonorrhoea, asthma, leprosy, dropsy, dyspepsia, enlargement of spleen, colic, jaundice and stone in bladder.	
20	<i>Pandanus amaryllifolius</i>	2	Used to remedy myriad ailments including hypertension, gout, scalp infections, fevers and type 2 diabetes mellitus.	

21	<i>Nyctanthus arbortistis</i>	1	Used as anti-helminthic, anti-pyretic, laxative, in rheumatism, skin ailments and sedative.	
22	<i>Acalypha indica</i>	1	It has the capability to serve as anthelmintic, anti-inflammation, anti-bacterial, anti-cancer, anti-diabetes, anti-hyperlipidemic, anti-obesity, anti-venom, hepatoprotective, hypoxia, and wound healing medicine.	

23	<i>Cassava mandida</i>	2	Used for tiredness, dehydration in people with diarrhea, sepsis, and to induce labor.	
24	<i>Abelmoschus moschstus</i> (Kasturi benda)	1	Used for ganglions in domestic animals, the leaves are applied to wounds as a dressing.	

25	<i>Anona muricata</i>	1	The seeds combat parasitic infections; the fruit is used for the treatment of arthritis, nervous disorders, and diarrhea; and the leaves are used to treat cystitis, headaches, insomnia, and cancer	
26	<i>Capparis spinosa</i>	1	Used for the treatment of rheumatoid arthritis, hemorrhoids and gout.	 <small>© dreamstime.com ID 159187273 © Aleksandramoslavac</small>

27	<i>Costus igneus</i>	2	commonly known as the insulin plant. Researchers believe it can help lower blood sugar levels in certain people with diabetes.	