

## Activity Report

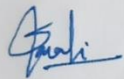
### “ Plant for the Week”

Plant for the week activity was organized by Department of Botany , for M.Sc I & II year Botany students. The activity was inaugurated on 27 January 2023 at 11:30 AM by the auspicious hands of Honorable Principal Dr. J.S. Dargad.

For this program Prof. S.K. Alane , Dr. M.K. Gurme , Prof. A.S. Kamble, Prof. S.S. Mohite, Prof. V. V. Hawaldar , Prof. N. N. Shaikh , Pooja Patil, Nagnath Bhalerao, Ramkrushn Salgar, Nitesh Baheti & 30 students were present.

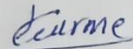
The main aim of this activity is to collect more information about the plants. Being the students of Botany it is must to know about the plants details like their medicinal and chemical properties use in daily life along with traditional and edible uses.

This activity also make the additional knowledge to students regarding the plants and their uses.



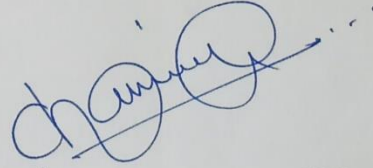
Prof. S.S. Mohite

Co-ordinator



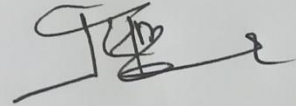
Dr. M.K. Gurme

P.G. Co-ordinator



Dr. C.S. Swami

HOD



Principal

Principal  
Dayanand Science College  
LATUR 413512





Date: 27<sup>th</sup> January, 2023

# Plant For the Week

**Botanical Name:** Ocimum sanctum Linn.

**Common Name:** Holy Basil, Tulsi.

**Etymology:** Ocimum derived from the Greek OZO which means to smell.

The Latin word sanctum is the neuter form of the adjective HOLY.

**Family:** Lamiaceae.

**Diagnostic Characters:**

- Tulsi is an erect, much branched sub shrub 30-60 cm tall and hairy stem.
- Leaves are simple opposite green or purple leaves.
- Flowers are purplish in elongate racemes in close whorls.
- There are 5 petals and it is in colour.

**Locality:** It is native to the Indian subcontinent and widespread as a cultivated plant throughout the Southeast Asian tropics.

**MSC II Botany Students.**

DATE-03/02/2023

## PLANT FOR THE WEEK

**Botanical Name :- Azadirachta indica**

**Family Meliaceae: - Meliaceae**

**Common Name: - Neem**

**Etymology:-**

**Azadirachta derive from the Persian name Azad Derakht (Azad = Tree , Derakht = Tree), indica means "Of Indian Origin"**

**Diagnostic Characters: -**

- ❖ **Neem is fast growing Tree of the Meliaceae family.**
- ❖ **Leaves are compound pinnate leaves, dark green leaflets.**
- ❖ **White fragrance flowers in drooping panicles to 10 cm. long bloom in spring.**
- ❖ **Trees are polygamous (both bisexual flowers and male flowers exist on the same / Lant)**

**Uses**

- ❖ **The stem root bark and root are used as a tonic and astringent.**
- ❖ **Some people apply Neem directly to the skin to treat head lice, skin diseases, wounds and skin ulcer.**
- ❖ **Neem Leaves have antibacterial properties.**

**Locality**

**Neem is native to the Indian subcontinent.**

**MSC II yr Botany Students.**

DATE : 09/02/2023

## PLANT FOR THE WEEK

**Botanical Name :- Aloe barbadensis miller**

**Family :- Asphodelaceae ( Liliaceae)**

**Common Name :- Aloe vera**

Korphad (in Marathi)

### **Etymology :**

The name Aloe vera derives from the Arabic word "Alloeh" meaning "Shining bitter substance", while "Vera" in Latin means "true".

### **Diagnostic characters :-**

- \* The plant has triangular, fleshy leaves with serrated edges.
- \* Flowers are yellow, tubular and fruits contain numerous seeds
- \* It is a herb with succulent leaves that are arranged in a rosette.

### **Uses :-**

- 1) It is used to treat skin problems (burns, wounds, & anti - inflammatory processes)
- 2) Aloe vera has shown other therapeutic properties like anticancer, antioxidant, and antidiabetic.
- 3) It improves skin Hydration.
- 4) It also helps in hair growth & keeps dandruff at bay.

**Locality :-** Aloe vera is native to Africa, Madagascar, & the Arabian Peninsula.

DATE : 09.02.2023

## PLANT FOR THE WEEK

**BOTANICAL NAME :** *Erythrina Variegata*

**FAMILY :** Fabaceae

**COMMON NAME :** Indian Coral Tree, Lenten tree, Tiger claw

**HINDI NAME :** Pangra

**MARATHI NAME :** Palas pangra

**ETYMOLOGY :**

- Erythrina comes from the Greek word 'eruthrose' meaning red, alluding to the showy red flowers of the Erythrina species.
- Name of African civilization which is native erythrina.

**DIAGNOSTIC CHARACTERS :**

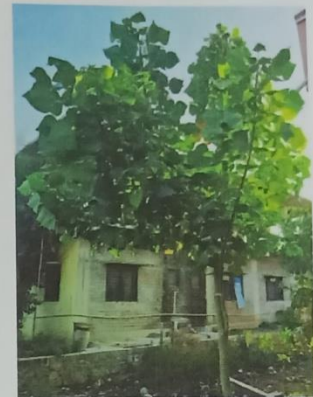
- Leaves frifoliate, alternate, bright emerald – green, on long petioles 6-15 cm.
- Commonly reaching 15 to 20 m in 20 to 25 years.
- leaf petiole & rachis are spiny.

**USES :**

- Different part of the plant have been used in traditional medicine as nervine sedative collyrium in ophthalmia Antiashmatic antiepileptic, Antiseptic & as an astringen.
- The alkaloids ectracted from the leaves of E. variegata are reported to have anti-inflammatory and analgesic activity.

**LOCALITY :**

Erythrina native to the tropical and subtropical reason of the Eastern Africa, the Indian subcontinent Northern Austrilia and the island of the Indian ocean and the western pacific ocean east to Fiji.



**STUDENT NAME**  
SAVANT AKASH PARMESHWAR  
**M.Sc. II yr. BOTANY**  
**Roll No : 969**

25/02/2023

## Plant for the week

Botanical Name : *Phyllanthus emblica*

Common Name : Amla /Avala.

family : *Phyllanthaceae*



### Etymology :

An Indian tree or the fruit of this tree, used in cooking, in traditional medicine, and in some products such as shampoo. Indian gooseberry or amla is full of vitamin C.

### Diagnostic Characters :

it is branching tree with average height of 8- 18 M. with glabrous branches. the branchlets are not glabrous or finely pubescent 10 - 20 CM. (3.9-7.9) long usually deciduous;the leaves are simple, subsessile and closely set along branchlets, light, green, resembling, pinnate leaves the flowers are greenish yellow.

flowers are greenish yellow in color and are two types. i.e male flower and female flower fruits are pale -yellow in colour and 1.3 - 1.6 CM in diameter. Amla fruits are fleshy, round, attractive, deeply ribbed and yellowish green in colour.

### Locality :

It is planted through the deciduous of tropical India and on the hill slopes up to 2000 meter.

it is commercially cultivated in the state of uttar pradesh in india.

it is also grown in Tamilnadu, Rajasthan & madhya pradesh also.

Name : Bhaganagare Vikas Trambak

Class : Msc sy (Botany)

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