



SRI A B R GOVERNMENT DEGREE COLLEGE

Repalle, Guntur Dt.522 265

Accredited by NAAC with ' B' Grade, Affiliated to Acharya Nagarjuna University



DEPARTMENT OF BOTANY

Title: PREPARATION OF HERBAL MEDICINAL GARDEN

Objectives of the practice:

- ❖ To provide comprehensive knowledge of various common plants and their uses.
- ❖ To know about medicinal values of various plants through primitive culture.
- ❖ To make the campus green and eco-friendly.
- ❖ To beautify the campus with colorful flower plants.
- ❖ To make aware of the students about the common medicinal plants in the campus for therapeutically use.
- ❖ To teach students the need of plantation.

Context:

As our lifestyle is now getting techno-savvy we are moving away from the nature while we cannot escape from the nature because we are part of the nature. As herbs are natural products they are free from side effects. They are comparatively safe, eco-friendly and locally available. Traditionally there are a lot of herbs used for the ailments related to different seasons. There is a need to promote them to save the human lives.

Treatment with medicinal plants is considered to be very safe as there is no or minimal side effects. These remedies are in sync with nature which is the biggest advantage. The golden fact is that use of herbal treatments is suitable for any age groups or any sexes.



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Apart from the medicinal uses, herbs are also used in natural dye, pest control, food, perfume and tea. In many countries different kind of medicinal plants/herbs are used to keep flies and mice away from homes and offices. Nowadays medicinal herbs are important sources for pharmaceutical manufacturing companies.

Recipes for the treatment of common ailments such as diarrhea, constipation, hypertension, dysentery, weak penile erection, piles, menstrual disorders, bronchial asthma and fevers are given by the traditional medicine practitioners very effectively.

Practice:

Our Botany students and staff developed a herbal medicinal garden in our campus. Our students framed blocks with medicinal plants. Management of the college is undertaking periodical plantation programs with the help of Nurseries, social forestry and voluntary organizations. Students are made to adopt saplings to protect them by watering and maintaining them. Exclusive exhibitions of rare medicinal plants are organized by department of botany to create awareness about plants among the students.



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List of medicinal plants:

S.N O	Scientific name of plant	Local name	Family	Habit	Uses
1	<i>Tinospora cordifolia</i>	Tippa teega	Menispermaceae	C	Diabetes, Cancer Constipation and fever
2	<i>Alo vera</i>	Kalabanda	Lilliaceae	S	Burns, Diabetes, skin diseases.
3	<i>Calatropis procera</i>	Tellajilledu	Asclipediaceae	S	Leprosy, Rheumatoid Arthritis.
4	<i>Cissus Quandrangulars</i>	Nalleru	Vitaceae	C	Rheumatoid arthritis
5	<i>Bryophyllum pinnatum</i>	Ranapala	Crassulaceae	H	Cough, Asthma and B.P
6	<i>Ocimum Sanctum</i>	Tulasi	Lamiaceae	S	Cough, fever
7	<i>Abrus Precatorius</i>	Tella guruwindha	Fabaceae	c	Abortion, snakebite, Ring worm
8	<i>Aerva lanata</i>	Konda pindaku	Varbinaceae	H	Kidney stone,Asthma.
9	<i>Artemisia vulgaris</i>	Machipatri	Asteraceae	S	Skin Diseases
10	<i>Hibscus rosa-sinenseus</i>	Mandaram	Malvaceae	S	Hair tonic
11	<i>Cathahus roseus</i>	Billaganneru	Apocynaceae	H	Cancer,Dysentery,Leucorrhoea
12	<i>IxoraIndica</i>	Cyutti puvvulu	Rubiaceae	S	Diarrhoea, Dyspepsia
13	<i>Phyllanus amarus</i>	Nela usiri	Euphorbiaceae	H	Skin Diseases, Jaundis



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14	<i>Eclipta alba</i>	Guntagalaraku	Asteraceae	H	Hair tonic, fever, Asthma
15	<i>Lawsonia inermis</i>	Gorintaku	Lythraceae	S	Cosmetics, Dysentery, Hair tonic
16	<i>Andrographis paniculata</i>	Nelavemu	Acanthaceae	H	Jaundice, Malaria, Snake bite
17	<i>Hemidesmus indicus</i>	Sugandipala	Euphorbiaceae	H	Cough, Diabetes, Menorrhagia
18	<i>Cymbopogon flexuosus</i>	Nimmagaddi	Poaceae	S	Cholera, Leprosy, Snake bite
19	<i>Datura metel</i>	Vummetha	Solanaceae	S	Leucorrhoea,
20	<i>Circuma longa</i>	Pasupu	Zingiberaceae	S	Anti Fungal, Skin Allergies, Cough, Cold.



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Evidence of the Success:

- ❖ Enthusiasm among students was created to adopt plants.
- ❖ Almost all the plants and trees in the campus of our college were labeled with their scientific and common names.
- ❖ Exhibitions were organized to inculcate importance of medicinal plants.
- ❖ “Don’t pluck” boards were fixed by the students of our college to plants.

Problems Encountered and Resources required:

Non-availability of medicinal plants in Repalle area to nurture in our garden

The weather conditions of Repalle region are not optimal for the growth of medicinal plants.

Lack of supporting staff to take care of medicinal garden is a big hurdle to maintain medicinal garden throughout the year

Financial resources are also limited to extend the garden.



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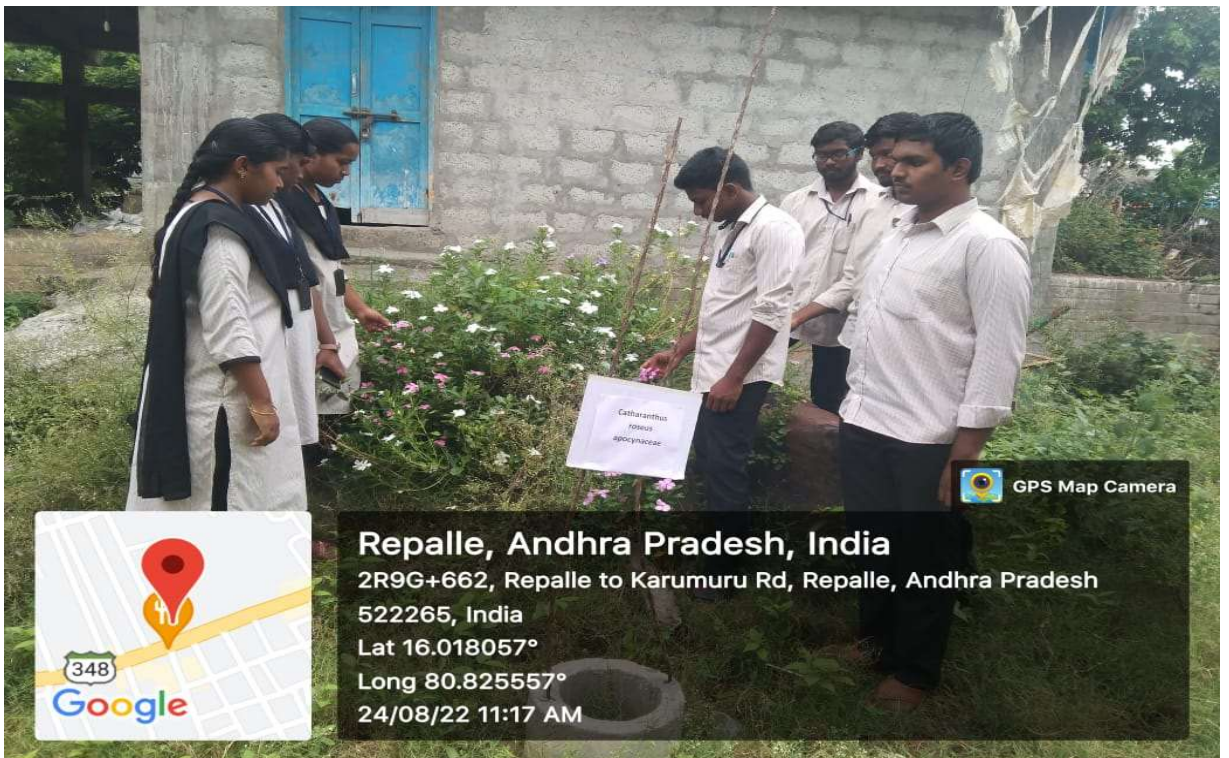
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Catharanthus
roseus
apocynaceae



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