

TATKARE CHARITABLE TRUSTS,
DR.S.N.D. ARTS, COMMERCE & SCIENCE COLLEGE,
GOVE-KOLAD, ROHA-RAIGAD

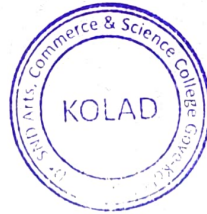
DEPARTMENT OF SCIENCE


DATE-23/01/2024

NOTICE

All Student of Science faculty is hereby inform that the Department of Science have organized Best Practice on Communist Paccha which is scheduled on 27/01/2024 . Interested Students can give there name to HOD.


Head
Department Of Chemistry




PRINCIPAL
TCT Dr. Shree. Nanasahab Dharmadhikari
Arts, Commerce & Science College Gove-Kolad
Tal. Roha, Dist. Raigad.

TATKARE CHARITABLE TRUST's
DR.S.N.D ARTS, COMMERCE, AND SCIENCE COLLEGE
GOVE, KOLAD
DEPARTMENT OF SCIENCE
ACADEMIC YEAR 2023-2024

"COMMUNIST PACHA"

Communist pacha (siam weed) the study of this medicinal plant from our locality is our best practice carried out currently this year by using leaf and extract of chromolaena odorata. In this great best practice almost Students of F.Y./S.Y./T.Y.B.Sc classes involved. By this great practice we get to know hidden secret of this beneficial plant. Total 40 students taken part in this practice.

Plants are the largest and most diverse groups of organisms on earth. The study of wound heals and common disease healing plants has acquired an interdisciplinary nature with the systematic investigational approach. "Chromolaena odorata" belongs to Asteraceae family. God gifted Nature from this plant our student extracted and estimated 4 beneficial products which are naturally-chemically synthesized from one single plant. Its a hidden secret from Grandma's pouch which is unknown for almost people. It's nothing but chromolaena Odorata perennial herbs. This perennial plant usually people consider as useless.

World wide widely grown in the tropics and sub tropics specific which is abundantly available easily. From that single botanical plant extract our students made Effective Mosquito repellent, Preventive Handwash, First Aid for healing wound, Homemade synthesized pain relief extract for body pain conciliation and so many useful benefits disclosure.

Several parts of this plant widely used to treat wound, burns, skin infection. Its found throughout the world specially in forestry area. Originated from America. It was found in Queensland Australia in 1994 and was perhaps introduced with foreign Pasteur seeds. It is locally called communist Pacha in the southern Indian state of Kerala as the plant was introduced there in the 1950's the era when the communist party form. Its one of best repellent for mosquito. Extracted boiled water of this leaves one of best medicine for body pain and Rheumatoid Arthritis. It has insecticidal properties. One another mystery is in Ghana it is used for embalming dead bodies. It is having the property of natural healing wound. Its an medicinal plant which people think as useless plant. Various parts used in that is leaf extract and flowers.

PLANT CHEMICALS

Chromolaena odorata rich in tannins, phenols, triterpenes, flavonoids, essential oils, saponins, carotenoids, vitamins, fiber and fatty acids. The other important constituents of this plant are Eupolin, chromomoric acid, quercetin, and quercetin, all of which contribute to its remedial properties. Alpha-linolenic acid, alpha-selinene, arbutin, arabinose, arabopyranosides, arjunolic acid, aromadendrene, ascorbic acid, ascorbigen, asiatic acid, aspartic acid, avicularin, enzaldehyde, butanal, carotenoids, caryophyllene, catechol-tannins, rataegolic acid, D-galactose, D-galacturonic acid, ellagic acid, ethyl octanoate, essential oil.

Research Methodology

Botanical garden, streets, near college lawns and all over parking areas our students collected leaves of this plant.

Methods student's practices in laboratory:-

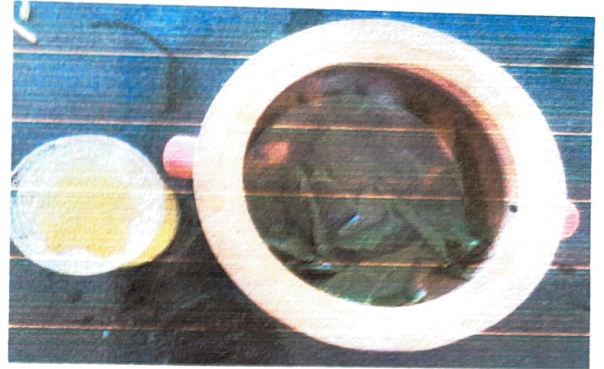
- 20-25 Leaves boiled and extract used for joint pains and bath.
- Boiling strap
- By using extract and for smell with use half proportion soap students made hand wash.
- Mud pot leaf and stem trap students tried experiments on insect and flies.
- By using extract in lab made mosquito repellent.

Result and Conclusion

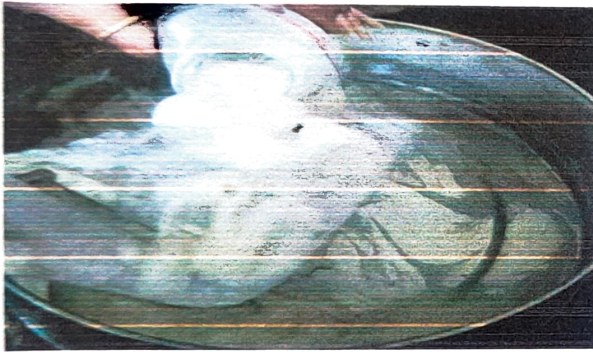
- As per the result we got on prevention repellent on mosquito as well as we successfully done experiment on mosquito with made extract and we conclude it's beneficial for our environment.
- Another result we founded on healing wound by applying extract on wounded person and we concluded that's it beneficial to healing.
- By making hand wash with same extract which was successful and used by student's which is foamless too
- And even by boiled extract of leaf we got a success pains.
- We are trying to make Dhoop too from this extract for further use for society
- We are trying to make paste from this extract for better cure



AWARNNESS GIVING ON COMMUNIST PACCHA



BOILING EXTRACT



HAND WASH FROM EXTRACT



TESTING

Students participation list :-

1.	MODI PRIT RAKESH
2.	MORE SUNAYANA HARISHCHANDRA
3.	GORIVALE DIKSHITA KHELU
4.	GAIKAR PRASAD SANTOSH
5.	GAUD SIMRAN RAMU
6.	GHAVATE TANYA JAGANNATH
7.	JADHAV SANIKA RAJENDRA
8.	ANSARI ALSABA ASIF
9.	KHAIR YASH SAINATH
10.	KHAMAKAR KAVITA KISAN
11.	MAGAR JAGRUTI PARSHURAM
12.	BIRJE DIPTI MOHAN
13.	MHATRE KRUTIKA KRISHNA
14.	MHATRE NIRAJ SHARAD
15.	DAHIMBEKAR SUDESH MANOHAR
16.	PADWAL PRATHAMESH BABAN
17.	SHAIKH MUSTAK MUKHTIYAR
18.	SHID EKNATH CHIMAJI
19.	SHID MANISHA NARAYAN
20.	SHIRKE ROHIT RAM
21.	DAPKE AMISHA AJIT
22.	TADKAR SHREYASH MANGESH
23.	YELKAR PRATIK DEEPAK
24.	PAWAR RAJ NARENDRA
25.	THITE RITESH MARUT
26.	CHAVAREKAR VINIT GANESH
27.	DESHMUKH SHRIYOG DNYANESHWAR
28.	KHADE SANJEEVANI SIDDHARTH
29.	JADHAV SWATI SANTOSH
30.	NIVALE MAYURA MARUTI
31.	RATATE SHRAVAN DEEPAK
32.	MEHETAR SHUBHAM SURESH
33.	PAWAR PRACHI PRAVIN
34.	YELKAR VRUTTIK DEEPAK
35.	POILKAR ROHIT KISAN
36.	DESHMUKH SHRIYOG DNYANESHWAR
37.	SAYYED AMIR AMJAD
38.	MOHITE SANIKA JAGANNATH
39.	UTEKAR PRATHAMESH NATHURAM
40.	SAKPAL SWARAJ MILIND

