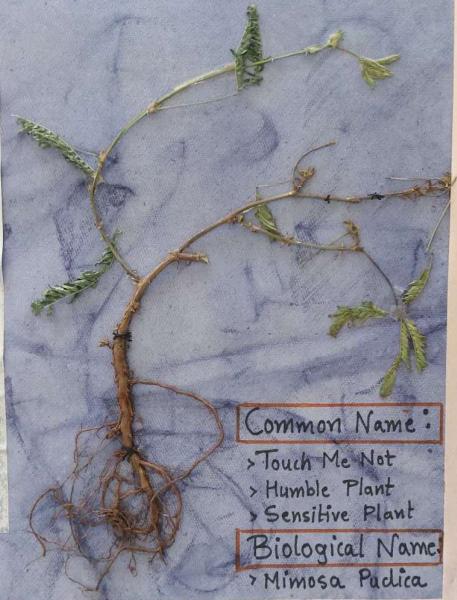


MIMOSA PUDICA



Taxonomical Classification :-

Kingdom: Plantae
Division : Magnolio -phyta
Class: Magnoliopsida
Order: Fabales
Family: Fabaceae / Mimosaceae
Genus: Mimosa
Species: pudica

Uses :-

- > Antibacterial
- > Antivenom
- > Anticonvulsant
- > Antidepressant
- > Treatment of :-
 ① Urogenital disorders
 ② Piles, dysentery
 ③ Sinus, Cancer.
 > applied on wounds
 > Antimflammatory

Common Name :

- > Touch Me Not
- > Humble Plant
- > Sensitive Plant

Biological Name :

- > Mimosa pudica

Chemical Constituents :-

- > Flavonoids
- > lignans
- > other phytochemical alkaloids, terpenoids, Steroids and Saponins

Biological Source :- mimosa pudica seeds.

Collection :- March 12, 2023

Area of Collection :- Nursery (Anand)

Collected by :- Muskan Pathak (62)
Rishabh - 62
- Vinit Dhotre (25)
Rishabh - 25

- COMMON NAME - HADJOD
- BOTANICAL NAME - *Cissus quadrangularis*
- BIOLOGICAL SOURCE - It consist of Stem of *Cissus quadrangularis* belonging to the grape family.
- CHEMICAL CONSTITUENTS - Gallic acid derivatives, Steroids, Iridoids, flavonoids, stilbenes and triterpenes.
- USES - antidiabetic, antiallergic, antimaterial, wound healing, antiulcer and treatment of Osteoporosis.
- DATE OF COLLECTION - 20/02/2023
- AREA OF COLLECTION - Gwalior, Madhya Pradesh.
- COLLECTED BY NAME - Darshita Makhija.



ASPARAGUS RACEMOSUS



Shatavari

Synonyms :- Shatavari, Shatavas, Shatavasi, Asparagus Racemosus

Botanical Name :- Asparagus Racemosus
Biological Source :- It consist of dried roots and leaves of plant Asparagus Racemosus belonging to family Liliaceae.

Chemical Constituents :-
Shatavari roots contains 4 sterols saponins like shatavarin I-IV (0.2%), flowers and fruits contain quercetin, rutin and hyperoside while leaves contains diosgenin and quercetin.

Uses :-
Shatavari roots are used as galactagogues, diuretic.
Roots are used in treatment of rheumatism and various disorders.

Date of Collection :- 1/03/2023

Area of Collection :- Raj Nursery.

Collected by :- Parthan Abdullaahman
Piyush Tarkas
Dnyaneshwar Mahite
(Roll No :- 118, 154, 155)

Ixora Coccinea

Common Name:- Jungle Geranium

Biological Source:- It is obtained from flower of Jungle Geranium or Coccinea
Family :- Rubaceae.

Chemical Constituent :-
Terpenes (62.60 %)
Monoterpene (32.78 %)
Sesquiterpenes (3.85 %)
& ester (2.25 %)
The major constituent of Terpenes were Ursolic Acid (27.34), Oleic Acid (20.16 %) & Lupenol (15.10 %).

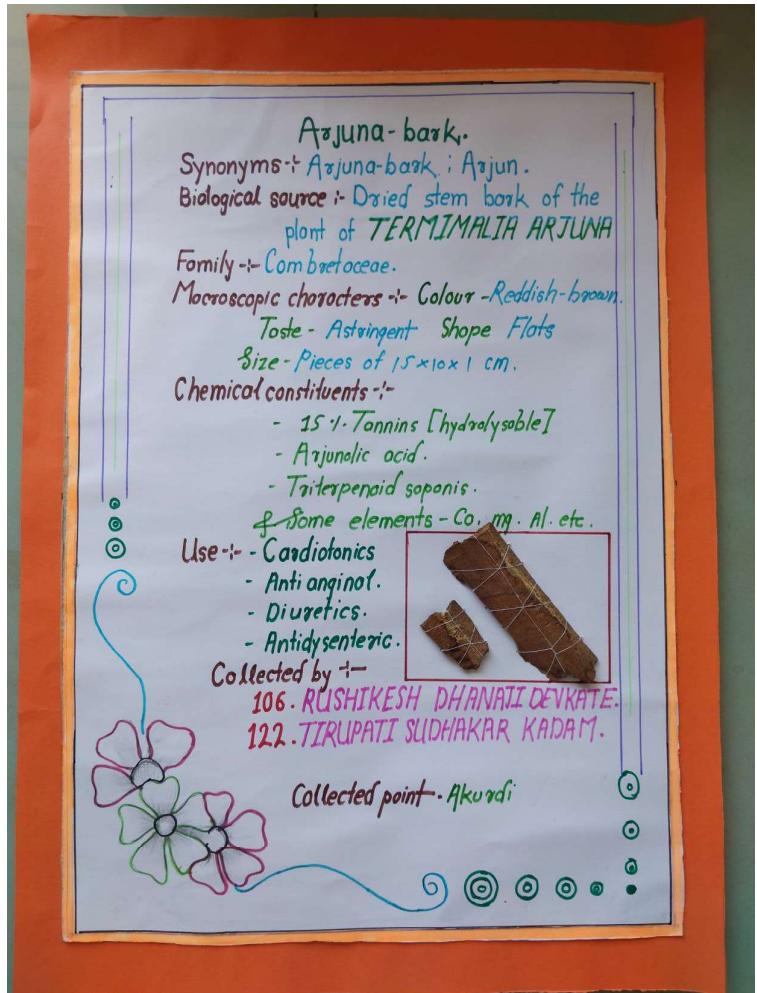
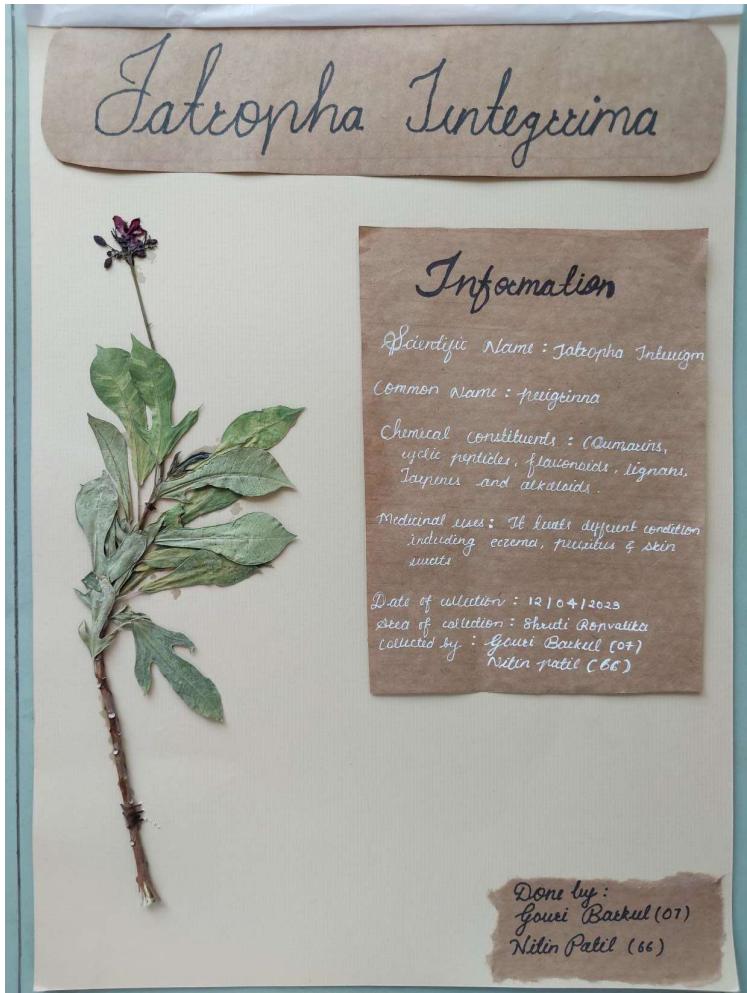
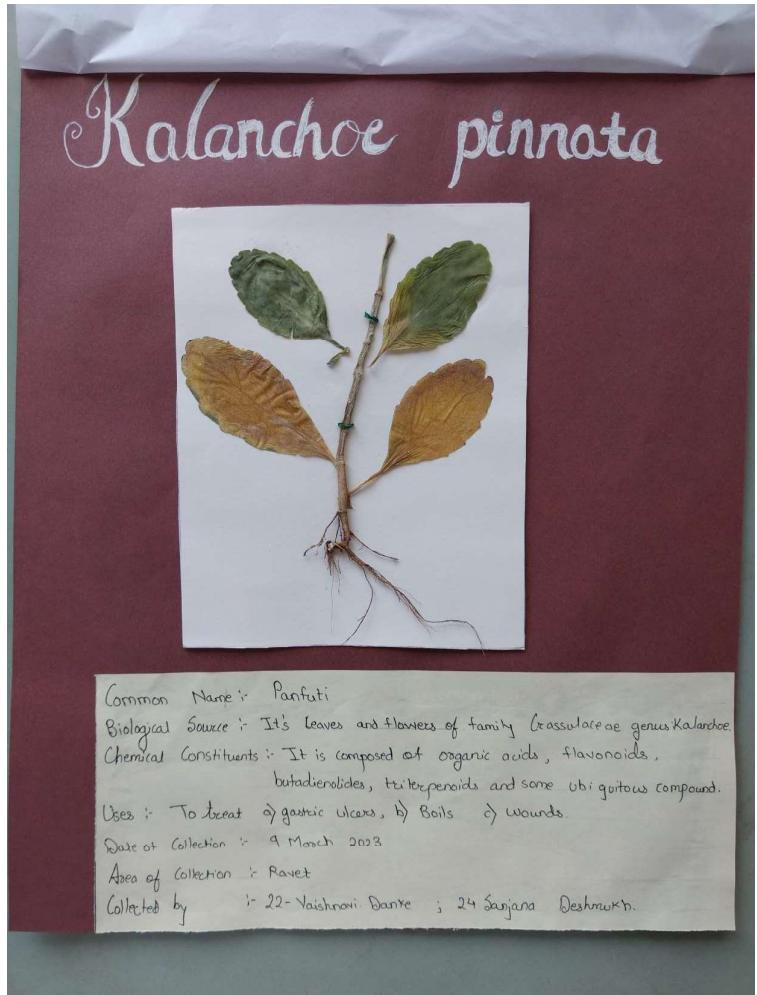
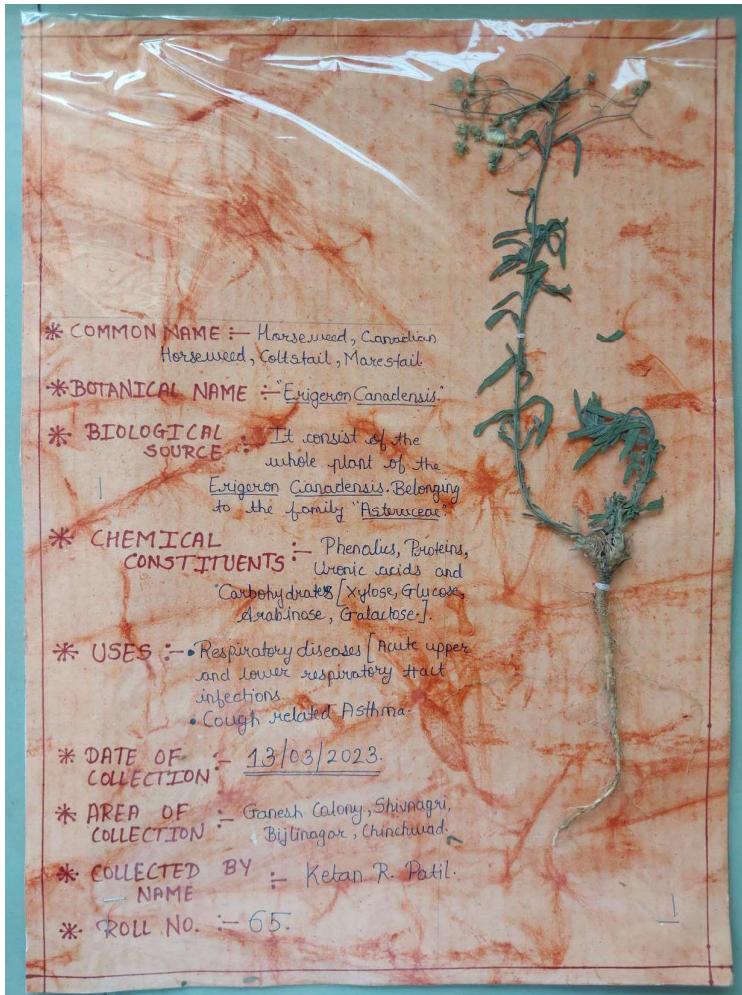


- 1) Antibacterial
- 2) Antidiarrhoeal
- 3) AntiOxidative
- 4) Hepato protective &
- 5) Antineoplastic.

Date of Collection :- 23 March 2023.

Area of Collection:- Dr DY Patil Medicinal Garden Akurdi

Collected By:- Megha. R. Patrone(111)
Akansha. A. Morkad(120)



Troides procumbens



Common Name : Coatbuttons
 Botanical Name : *Troides procumbens* Linn.
 from family Asteraceae
 Chemical constituents : Tannins, Alkaloids, Steroids.
 Uses : To treat diarrhoea
 Date of collection : 10-4-23
 Area of collection : Akurdi
 Collected by : Rohan Hade (3⁵)
 Ajinkya Malusare (3⁸)

OCIMUM TENUIFLORUM

- Common Name : Holy basil
- Biological Source : Aromatic leaves
- Chemical constituents : Oleanolic acid, Ursolic acid, Rosmarinic acid, Eugenol, Carvacrol, Linalool, β -caryophyllene.

Uses : Treat bronchitis, malaria, ulcers, cough, fever, arthritis, dysentery, eye disease.

- Date of collection : 16 April 2023
- Area of collection : Tathawade (Pune)
- Collected by : Manmohan Singh, Maruf Shikalgar
- Roll numbers : 84, 86

HERBARIUM CLITORIA TERNEATA



Common Name : Butterfly Pea
 Botanical Name : *Clitoria Ternata*
 Biological source : *Clitoria Ternata* L.
 Chemical constituents : Flavonoids, tannins, alkaloids, anthocyanine, cardiac glycosides
 Uses : Memory enhancer, antistress, antidepressant, anticonvulsant
 Date of Collection : 27 February, 2023
 Area of collection : Baner Hills
 Collected By : Simran chaudhari & Pranali Borse

HIBISCUS ROSA

Common Name : China Rose
 Botanical Name : *Hibiscus rosa*
 Biological source : Group of numerous species of herbs, shrubs & trees in the Malvaceae family
 Chemical constituents : Contains Tannins, alkaloids, bitter, few amino acids, mucilage & steroids
 Uses : Used for treating wounds, inflammation, fever, in infection caused by bacteria & fungi

Pellionia 448
59

Date of Collection : 13/03/2023
 Area of Collection : Akurdi
 Collected by Name : Priti & Santosh

JUSTICIA GENDARUSSA



Common Name: Willow-leaved Justicia

Toxonomical classification

Family : Acanthaceae

Species: *J. gendarussa*

Order : Lamiales

Kingdom: Plantae

Biological Source:

It is native to China.

Chemical constituents

Flowers + leaves Luteolin.
Luprol. β-sitosterol.

Uses (Medicinal)

1) *Justicia gendarussa* is also used as an analgesic and anti-inflammatory.

2) It is used to treat stomach problem and diarrhoea.

3) An earache can be treated with leaf juice topically.

Collection date : 25 March 2023.

Area of collection: Nursery.

collected by : Chetan.M.Hire. (36)

MALABAR NUT



Common Name: Adulsa, Vasaka, Adhatoda

Botanical Name: *Adhatoda vasica*

Chemical Constituents: alkaloids, fatty acids, essential oils, flavonoids, phenol etc

Uses: Used to treat asthma, bronchitis, dental ailments.

Date & place of Collection: 30/03/2023

Karad.

Collected by: Gayali Borude - 15
Sakshi Chavan - 18

Biological source: dried leaves of *Adhatoda vasica*
Family: Acanthaceae

Giant Calotrope



* Common Name: Apple of sodom, Calotrope and Giant milkweed.

* Biological Source: The crown flower of plant

Calotropis gigantea belonging to family - Apocynaceae.

* Chemical constituents- Phenols, Steroids and tannins

* Uses- Antidote, for snake bite, bacterial infection, Asthma, burn injuries, body pain and rheumatism.

* Date of Collection - 19-4-2023.

* Area of Collection - Dr. D.Y. Patil Collage of pharmacy (collage area)

* Collected by - Darvhekar Prachi Nandkishor Roll No - 123.

Mentha Spicata



Common Name: Spearmint, Mint

Biological source: The biological source of spearmint is fresh leaf

Chemical constituent - Carvone, Limonene, β-pipene, cis-dihydrocarvone

Uses - Treat gastritis, indigestion, respiratory, bad breath.

Date of collection - 15/4/2023

Area of collection - Vasantrao Naik College of Pharmacy

Collected by - Nishant Marodekar, Ankita Redkar

CASTOR LEAF-BEAN

Scientific Name - *Ricinus Communis L.*

Common name - Castor.

Bherenda ; Gab-bherenda.

Biological source :-

Castor bean-leaf is obtained by the

RICINUS COMMUNIS.

Family - *Euphorbiaceae*.

Chemical Constituents -

Ricinoleic Acid Linoleic Acid.

Isoricinoleic Acid Iso-stearic Acid
Stearic acid.

Use- Cathartic ; As Lubricant.

used preparation of- Paints ; Enamel ; Varnishes
Greasy ; Polishes ; Painting ink ; Cosmetics.

Date of collection :- 15/03/23. Area of collection :- Akurdi.
Collected by :- Yashendrasingh G. Chavhan. [119].
Rushikesh R. Wagh. [116].



HERBARIUM ALLIUM SATIVUM

Common name → Allium Sativum

Biological source Garlic is the ripe bulb Sativum Linn belonging to family Liliaceae.

Chemical Constituents

Allin, Alisin, Diallyl Sulfide, Diallyl Disulfide, Diallyl Trisulfide, Ajoene, S-Allylcysteine, Allyl Methyl, Allyl Methyl Trisulfide, Allinase, Vinylidithiins, Flavoids such as Quercetin.

Medicinal uses

- 1) Boost Body Immune System.
- 2) Reduce High Blood Pressure.
- 3) Prevents of Cancer.
- 4) Help to Detox your Body.
- 5) Help to antifungie.
- 6) Ulcer Inhibiting.
- 7) Liver Protector.
- 8) Antimicrobial, Antistress.
- 9) Asthma, Arthritis, Chronic Fever.
- 10) Tuberculosis.



Date of collection : 23/02/2023

Area of collection : Jaggaon

Collected By: Bhakti Chothe,

Jagruti Bhole

Roll no. + 11, 20 Batch : A



Hydrangea : Macrophylla

Common Name : French Hydrangea.

Biological Source :- It is a Dried Leaf extract of *H. Macrophylla* belongs to Family:- Hydrangeaceae.

Chemical Constituent :- Betulinic Acid, Ursine, Thymidine, Adenosine & Methyl Pyroglutamate.

Uses :- 1) Bladder Infection.
2) Prostate Infection.
3) Kidney Stone.
4) Enlarged Prostate.
5) Also used for Hay fever.

Date of Collection :-
20 March 2023.

Area of Collection:-
Dr D.Y. Patil Medicinal Garden, Akurdi.

Collected By:-
Ruchika. S. Borkar - 108
Rutuja. L. Shinde. - 110



CROSSANDRA PLANT

Common Name: Crossandra

Crossandra

Botanical Name: *infundibuliformis*

Madagascar

Biological Source: Crossandra plant

Chemical Constituent: Steroids, Alkaloids,

Flavonoids

Uses : Anti-Inflammatory

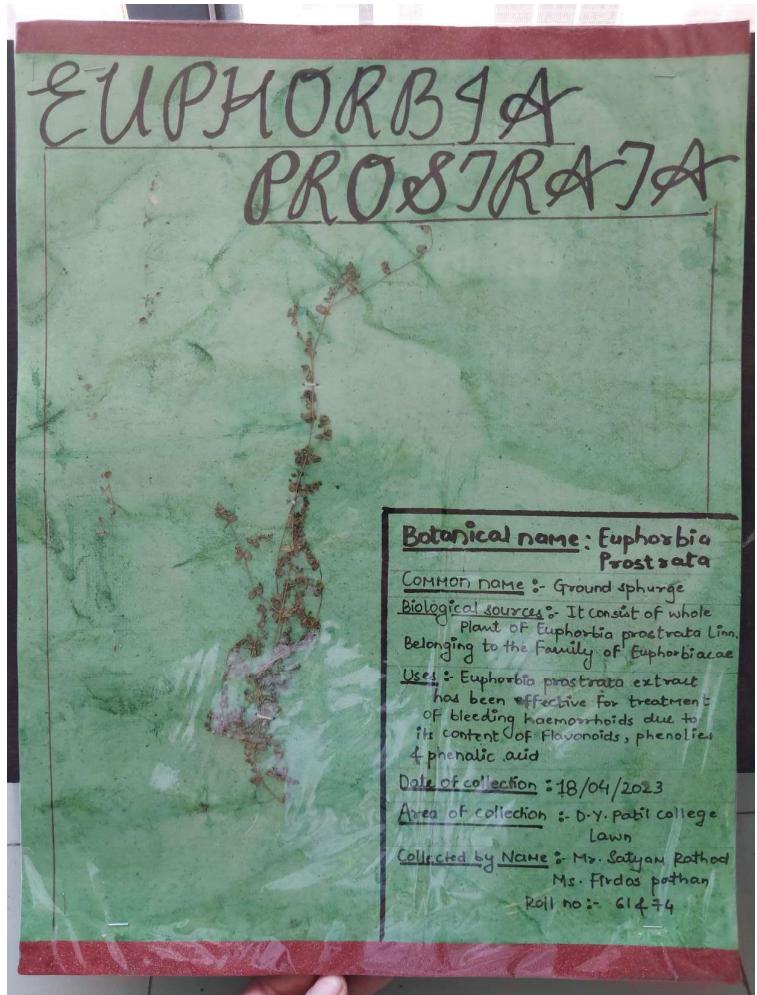
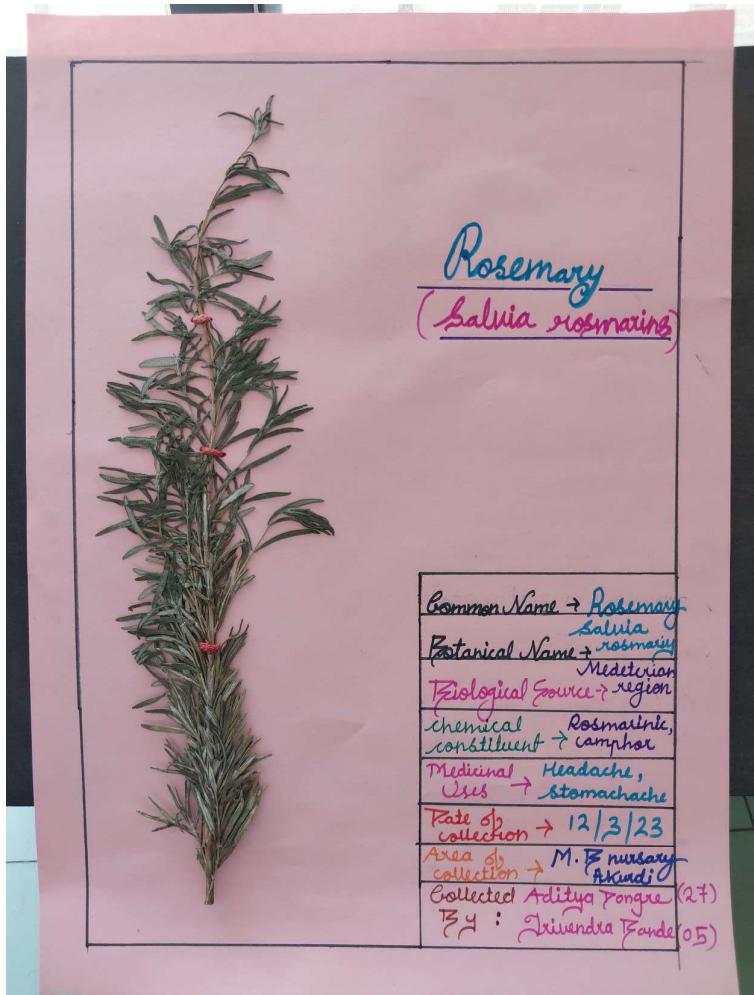
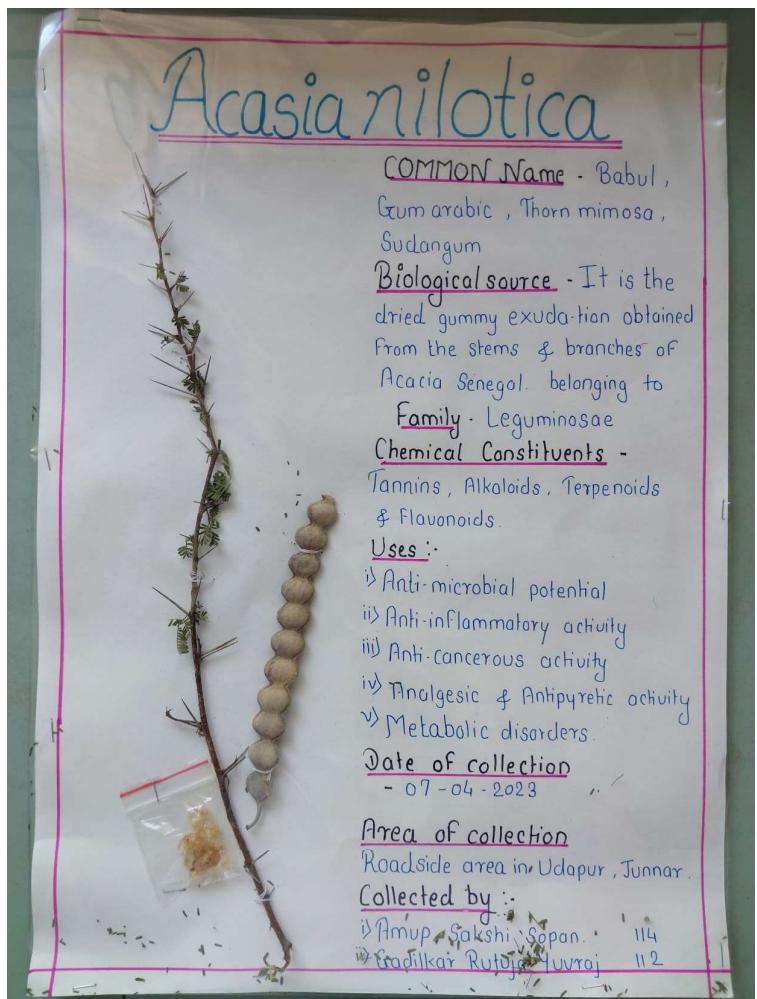
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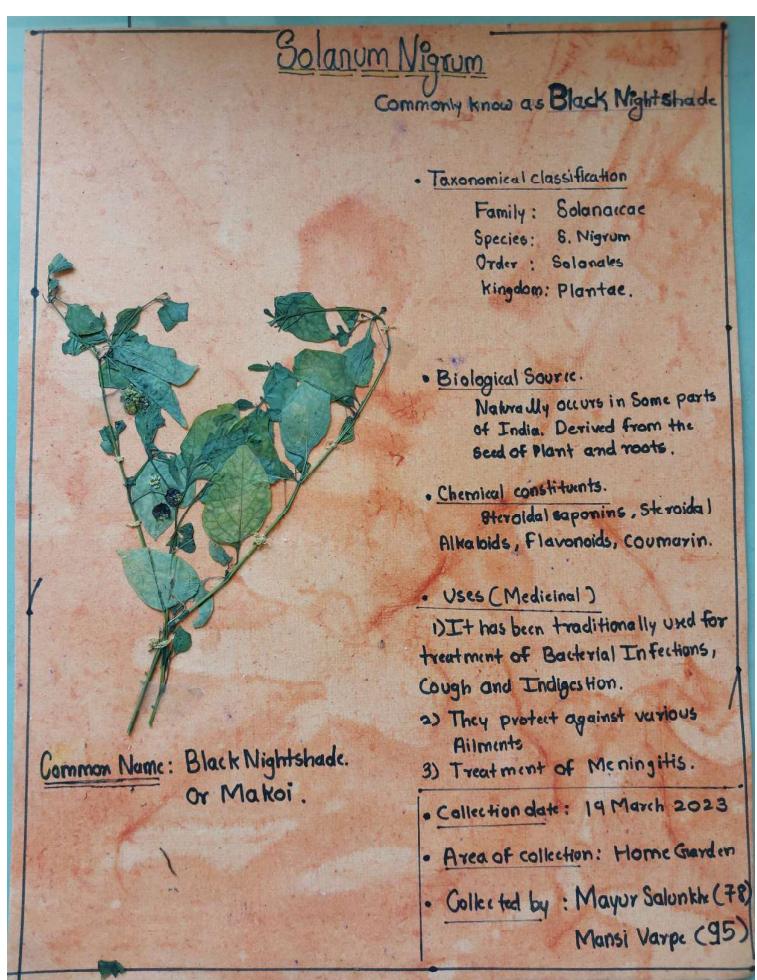
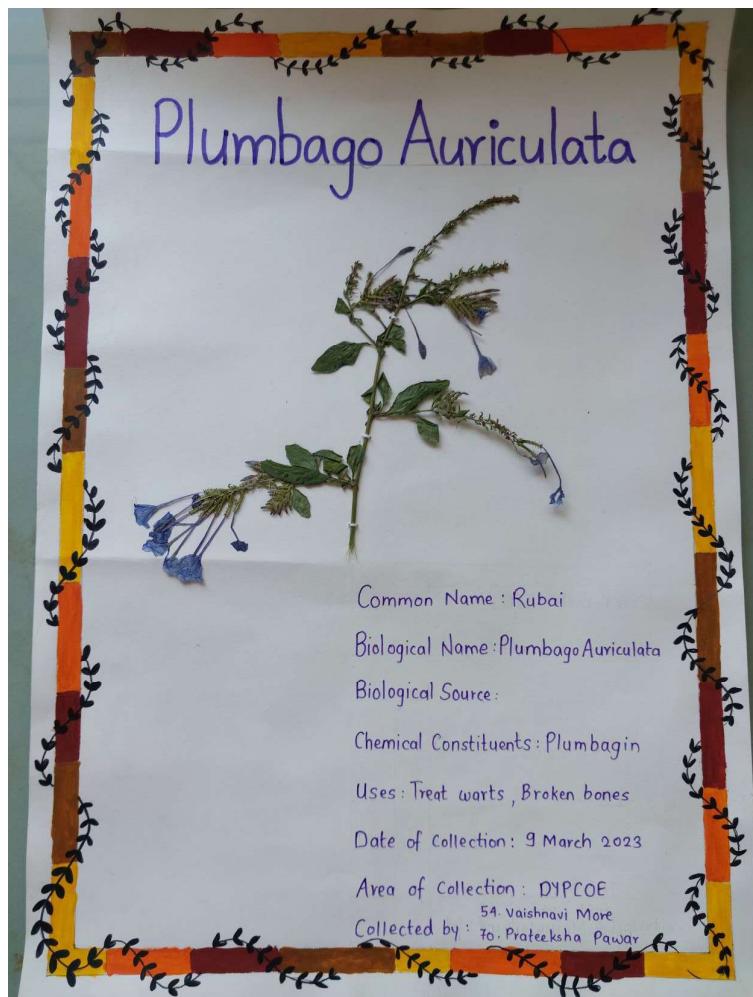
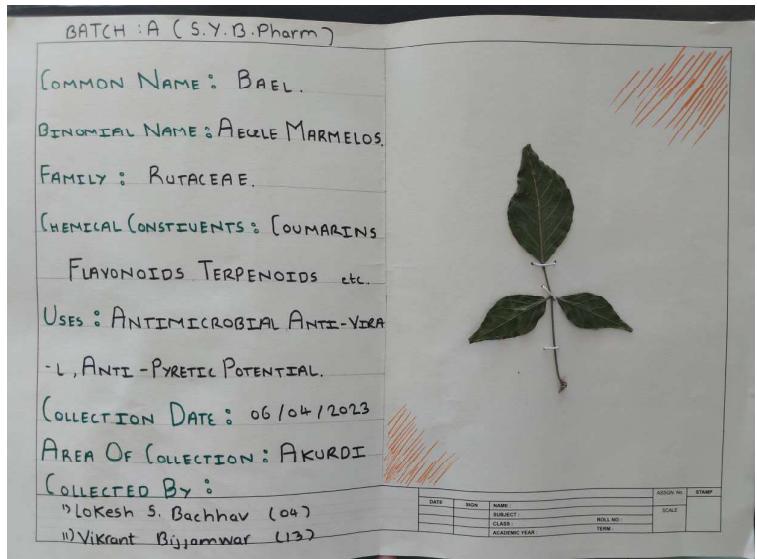
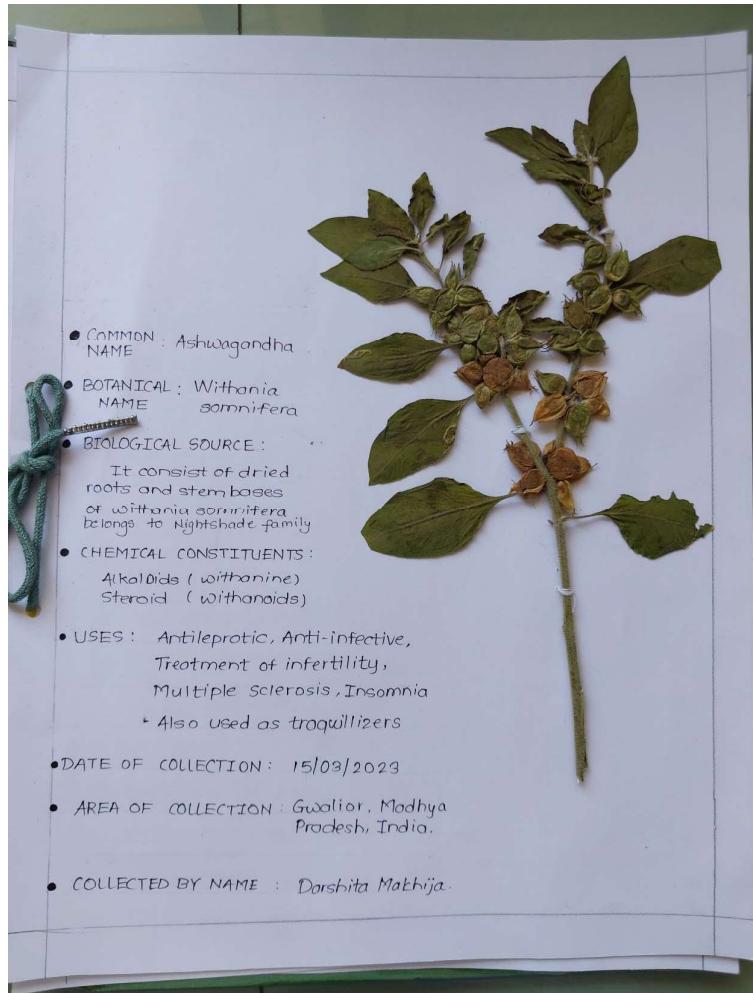
Area of collection : A.K. Nursery

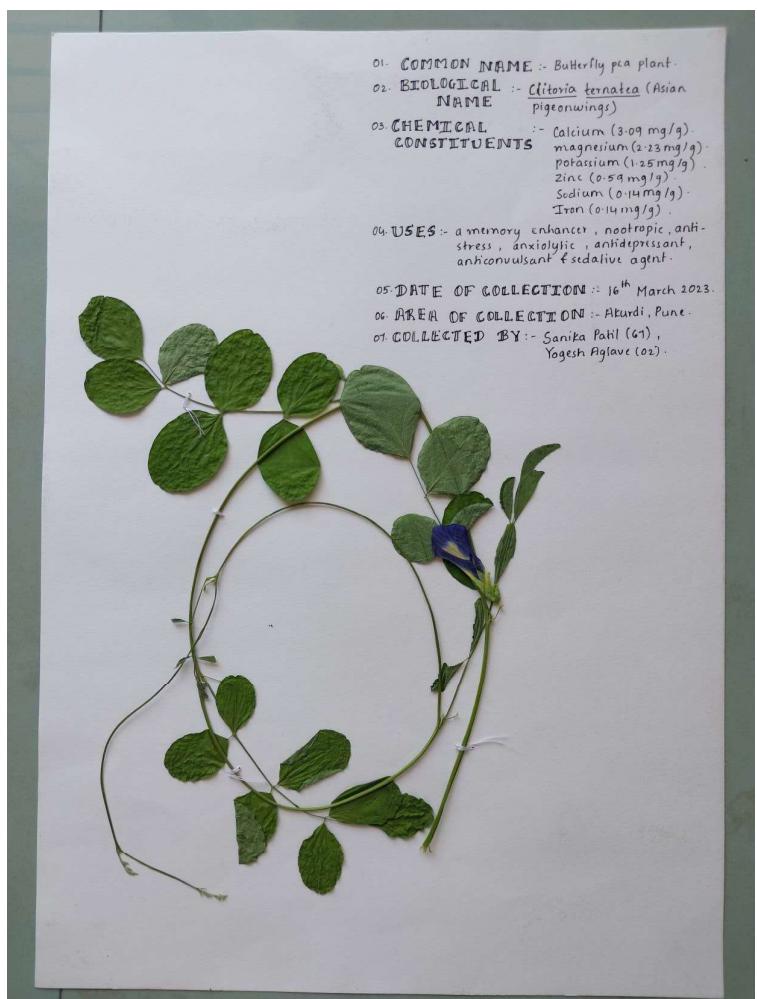
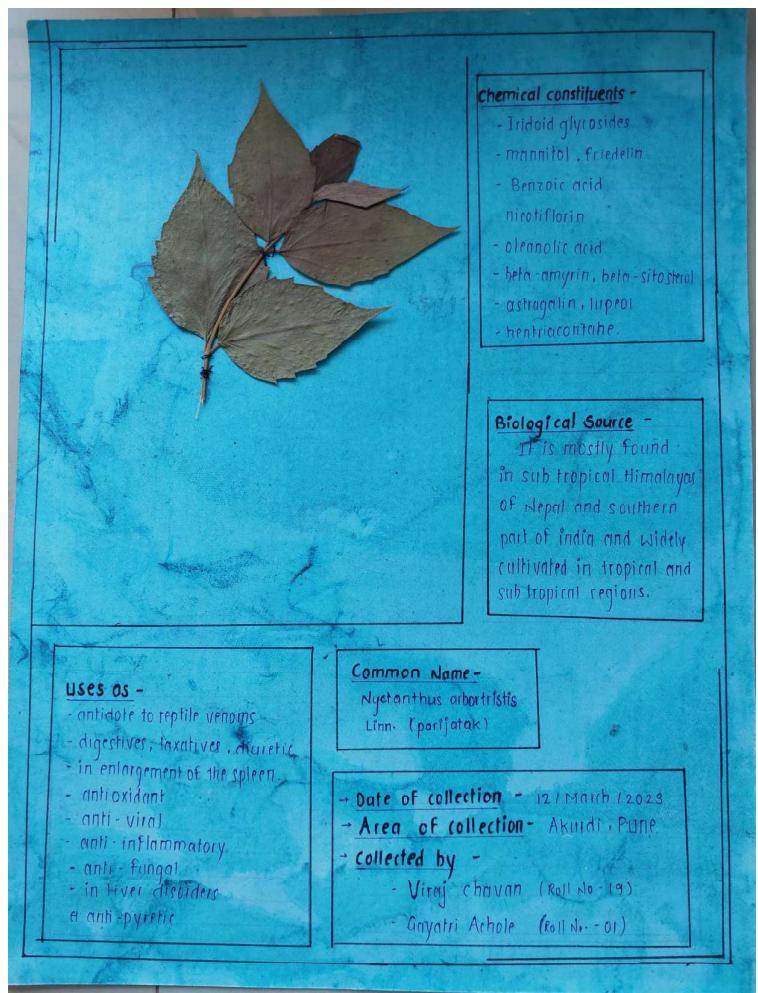
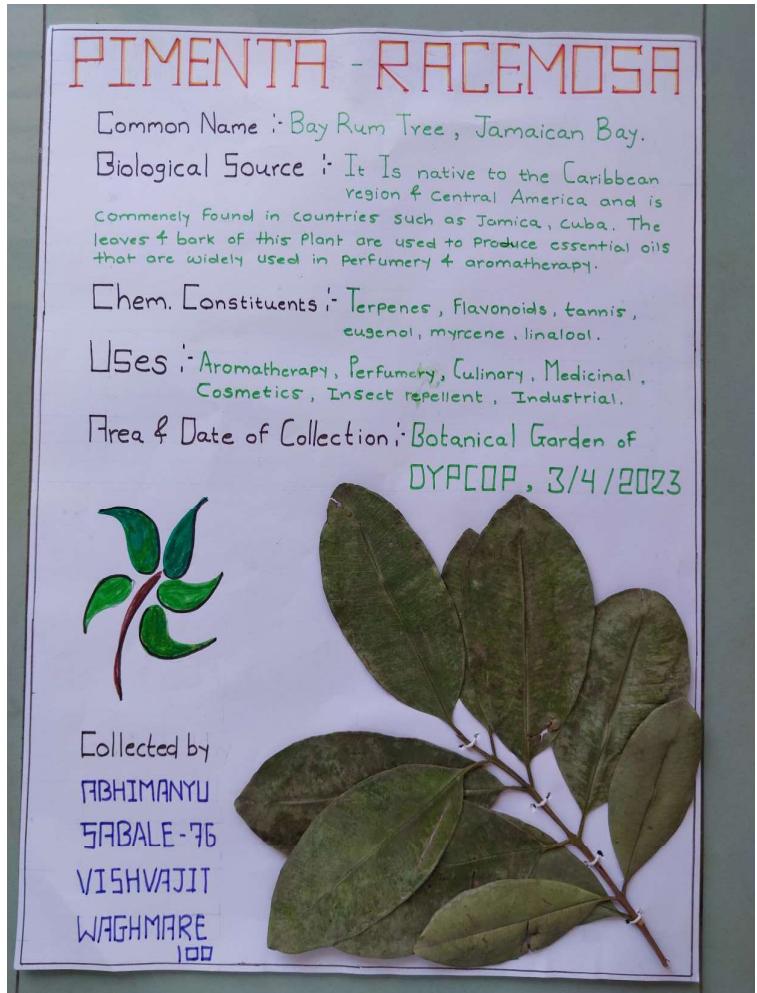
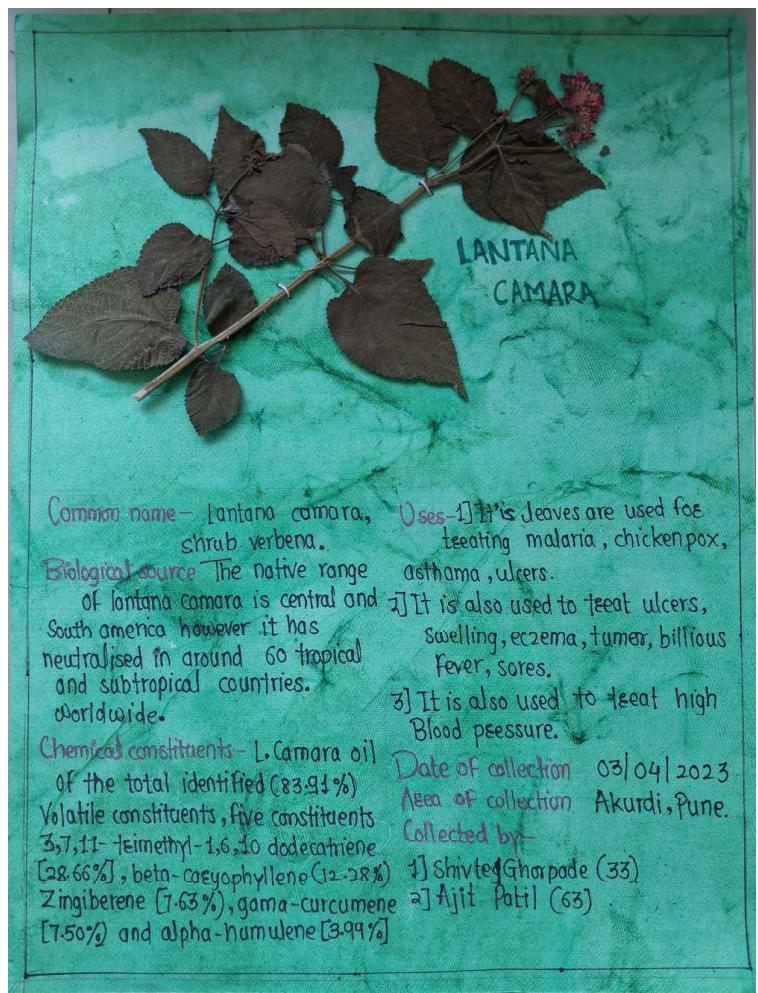
Ravet

Collected by: Jagdish Chaudhary (21)

Shrenik Dongarwal (28)







TECOMA STANS



TAXONOMICAL CLASSIFICATION

Kingdom - Plantae
Division - Teacheophyta
Class - Magnoliopsida
Order - Lamiales
Family - Bignoniaceae
Genus - Tecomaria
Species - Stans

BIOLOGICAL SOURCES
It is a species of flowering perennial shrub in the trumpet vine family, Bignoniaceae, that is native to the Americas.

CHEMICAL CONSTITUENTS

- alkaloids, Flavonoids, saponins and carbohydrates
- contains allomandarin, a toxic tridolide lactone
- study of phospholipid fatty acid composition yielded 7-methyl-5,9-octadecadienoic acid.

USES

- To treat hyperglycemia, gastrointestinal and urinary disorders
- Jaundice
- Toothaches
- Scorpion, snake and scorpion bites
- use against diabetes
- various therapeutic benefits
- headaches, colds.

COMMON NAME

Yellow bells, trumpet bush

DATE OF COLLECTION

5th March 2023

AREA OF COLLECTION

Collected from road side

COLLECTED BY

AKSHAYA WARUDKAR (103)

VAISHNAVI WANARE (102)

Calotropis giganta



Common Name - Crown flower

Chemical Constituents -

- Flavonoids
- Tannins
- Alkaloids

Uses -

- Antidote for snake bite
- Burn injuries
- Body pain
- Treatment for Jaundice (Leaves)

Date of Collection - 15/03/2023

Area of Collection - Akurdi

Collected by - Vibha Shetiya

- Purnam Varpe

COMMON NAME :- Night-blooming Jasmine.

BIOLOGICAL NAME :- Nyctanthes arbor-tristis.

CHEMICAL CONSTITUENTS :- Flavanol glycosides, D-mannitol, B-sitosterol, Astragaline, Nicotifolin, Oleanolic acid, Nyctanthic, Ascorbic acid & Tannic acid.



USES :- anti-helminthic, anti-pyretic besides its use as a laxative, in rheumatism, skin ailments, as a sedative.

DATE OF COLLECTION - 13th March 2023

AREA OF COLLECTION - Akurdi

COLLECTED BY - Abhishek Vaishnav (44)
Yuraj Kapale (42)

Shoot Tip

Flower

Leaf

Stem

Common Name - Nettle leaf velvet berry
Botanical Name - Stachytaphyla (Labiatae)
Biological Source - Nettle leaf seeds
Chemical constituents - Secondary metabolites (Alkaloids, Flavonoids)
Uses - Fever, dysentery, liver disorder, diabetes

Date of collection - 9 March 2023

Area of collection - Smruti vop vatika,
Collected by - Shruthi Ohmde (10)
Swetha Phadate (72)

STEVIA

COMMON NAME → "SWEET LEAF"
→ "Kaa he-he"

TAXONOMIC HIERARCHY → Kingdom - Plantae
Clade - Angiosperms.
Order - Asterales
Family - Asteraceae.
Genus - Stevia
Species - rebaudiana.

BOTANICAL NAME → Stevia rebaudiana

BIOLOGICAL SOURCE → Derived from leaves.

CHEMICAL CONSTITUENT → Stevia contains eight glycosides which mainly includes →

- STEVIOSIDE
- REBAUDIOSIDES-A,G,D,E&F
- STEVIALBIOSIDE
- GLUCOSIDE-A.

USES → Reduced calorie intake
→ Maintain blood sugar level
→ Maintain oral health
→ Prevent osteoporosis

DATE AND AREA OF COLLECTION → 12th MARCH 2023 - Nursery

COLLECTED BY → Tushar Martand Undegawankar - 93



COMMON NAME - AJWAIN.

BOTANICAL NAME - *Trachyspermum Ammi*

BIOLOGICAL SOURCE - Dried ripe seeds of *Trachyspermum ammi*(L.) belongs to family Apiaceae.

CHEMICAL CONSTITUENTS - Compounds

Y-terpinene, p-cymene and thymol

USES - Stimulant, antispasmodic and carminative properties, treatment of diarrhea, abdominal tumors, abdominal pain, piles etc.

DATE OF COLLECTION - 25/02/2023

AREA OF COLLECTION - Society Garden.

COLLECTED BY NAME - Darshita Makhija.



Common Name : Kakrona.

Botanical Name: *Blumea lacera*

Biological Source: Consist of whole plant of the *Blumea lacera* Asteraceae.

Chemical constituent: • Lachnophyllide acid, Laetino phyllum ester.

Uses

- Antipyretic
- Antioxidant
- Antidiarrhoeal

Date of collection: 09/03/2023

Area of collection: Dr. D.Y. Patil
Medicinal garden

Collected by: Omkar Radkute
(91) (91)
Rohit Nagre (101)



Anacyclus pyrethrum

Herbarium Specimen

- Common Name : Karkkava, Pettitava.
- Botanical Name: *Anacyclus Pyrethrum*
- Family: Asteraceae
- Biological source: It belongs to family Asteraceae. Mainly roots are the primary source of pyrethrum & pyrethrin drug, also seeds, leaves & capitula are beneficial.
- Chemical Constituents: alkaloids, tannins, terpenes, flavonoids, sterols, ester pyrethrine, N-allyl amide.
- Uses: anti-inflammatory, insecticide, anti-allergic, aphrodisiac, anti-diabetic, etc.
- Date of collection: 3 March, 2023
- Area of collection: Pimpri, Pune - 17
- Collector's Name: Dipasha Sujanani



Dipasha Sujanani - 89

Rajastree Shinde - 85

S.Y. B.Pharmacy

Cape Honeysuckle



Herbarium specimen

Common name : Cape Honeysuckle
Botanical name : *Tecoma capensis*
Biological source : Extracted from leaves
Chemical constituents : Glycoside,
Saponin, steroids, volatile oil majorly
Uses : Leaves - used to treat
diarrhoea & gastro enteritis
Date of collection : 28/03/2023
Area of collection : Dr. D.Y. Patil
College of Architecture, Akurdi.
Collected by : Gayatri Sonawane - 87
Vipul Soni - 88