

PROJECT REPORT

Done By

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Plant name: Devil's ivy

Synonym: Money plant, silver vine, golden pothos

Biological source: It is obtained from plant *Epipremnum aureum* and belongs to family Araceae

Geographical source: Species is popular houseplant in temperate regions. Found in South Africa, Australia, South East Asia, South Asia, West Indies.

Chemical constituents: Alkaloids, Tannins, Saponin, Terpenoids, Flavonoids

Uses: Removes indoor pollutants such as formaldehyde, trichloroethane, toluene. Used in aquariums (absorbs nitrate)

Reference: https://en.m.wikipedia.org/wiki/Epipremnum_aureum



Plant name: Arrowhead vine

Synonym: Goosefoot, arrowhead philodendron, nephthytis.

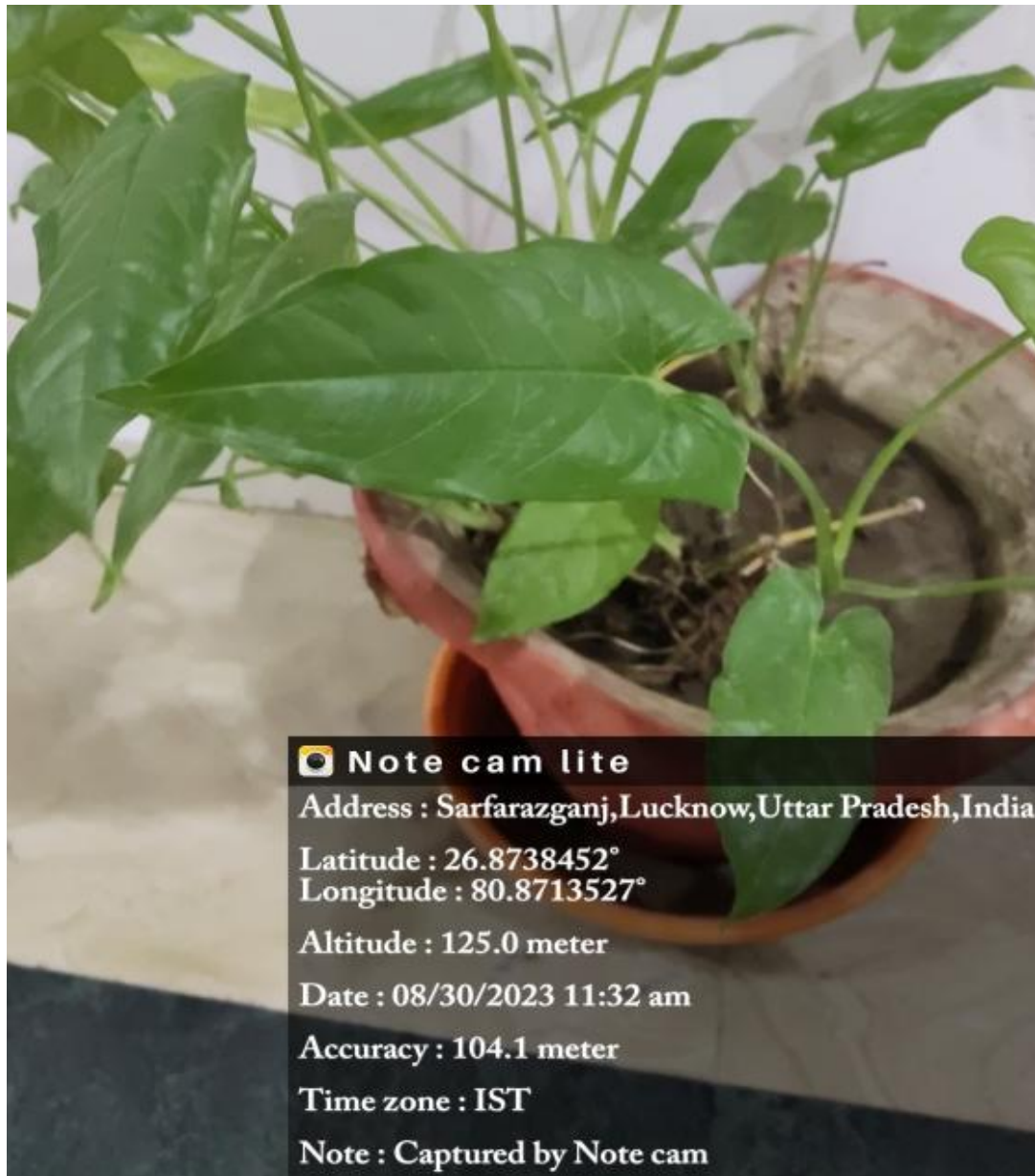
Biological source: It is obtained from plant *Syngonium podophyllum* and belongs to family Araceae

Geographical source: Wide region of Latin America, West Indies, Florida, Texas, Hawaii.

Chemical constituents: Resin, Flavonoids, Steroids, Alkaloids, Tannins

Uses: Natural air purifier, filters toxins such as formaldehyde, benzene, trichloroethylene from air. Treat headache, ingestion, tuberculosis

Reference: <https://www.songofwoods.com/arrowheads-sagittaria-spp>



Plant name: Blushing philodendron

Synonym: red leaf philodendron,

Biological source: It is obtained from plant *Philodendron erubescens* and belongs to family Araceae

Geographical source: Native to Colombia

Chemical constituents: calcium oxalate,

Uses: Purify and improve air quality, reduces our stress.

Reference: https://en.m.wikipedia.org/wiki/Philodendron_erubescens



Plant name: Dwarf umbrella plant

Synonym: umbrella tree

Biological source: It is obtained from plant *Heptapleurum arboricola* and belongs to family Araliaceae

Geographical source: Taiwan and Hainan, China

Chemical constituents:

Uses: Promote circulation of blood , alleviate pain,sore and swollen throat, relieve asthma

Reference: https://en.m.wikipedia.org/wiki/Heptapleurum_arboricola



lant name: Song of India

Synonym: song of Jamaica

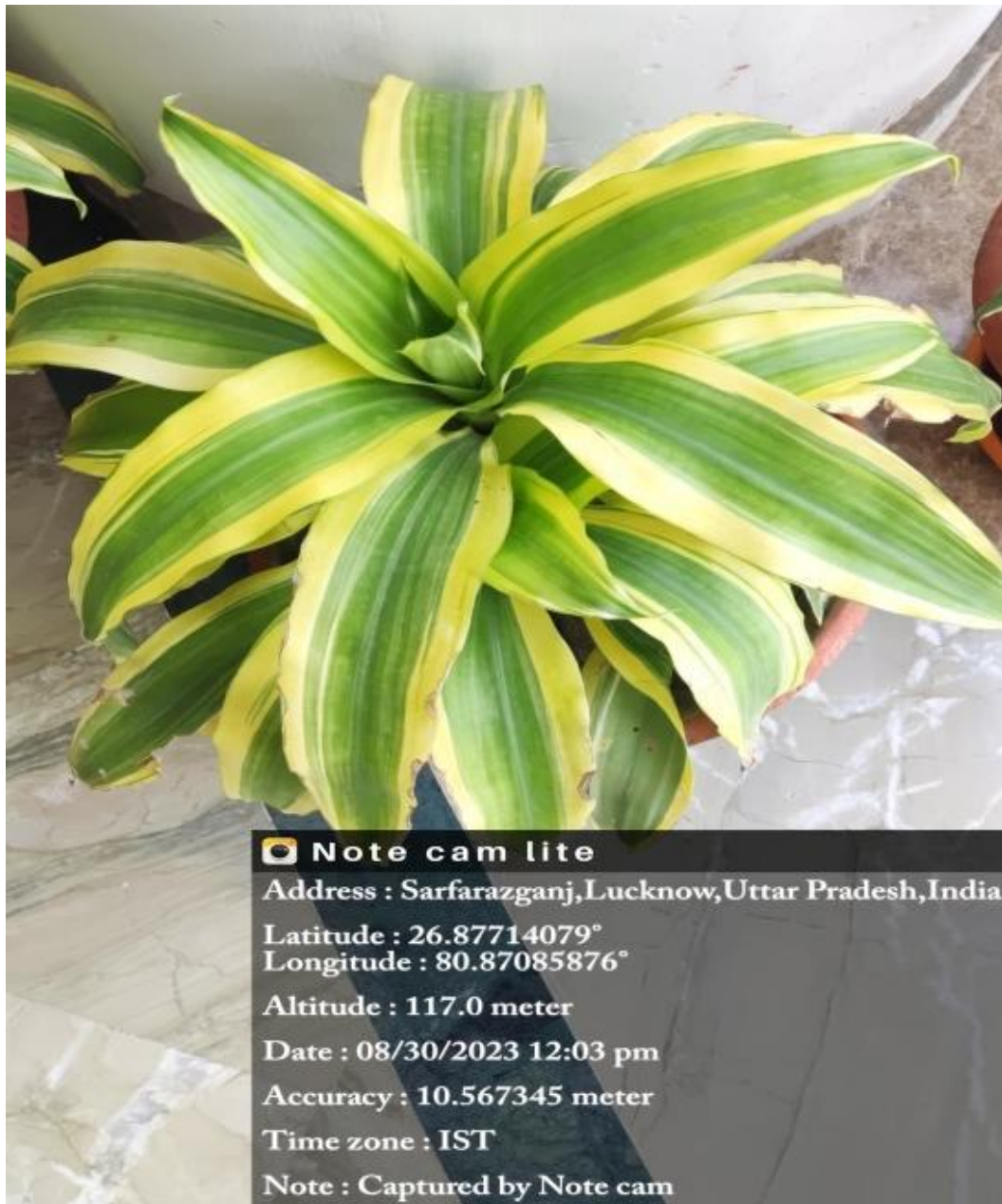
Biological source: It is obtained from plant *Dracaena reflexa* and belongs to family Asparagaceae

Geographical source: Madagascar, Mauritius, Islands of Indian ocean

Chemical constituents: Alkaloids ,Flavonoids,Saponin,Glycosides,Carbohydrates

Uses: Diarrhea,Dysentery,Antipyretic,Malaria

Reference: https://en.m.wikipedia.org/wiki/Dracaena_reflexa



Plant name: Polka dot plant

Synonym: Polka dot

Biological source: It is obtained from plant *Hypoestes phyllostachya* and belongs to family Acanthaceae

Geographical source: south Africa ,Madagascar,southeast asia

Chemical constituents: diterpenoids,Alkaloids,Lignins,Pentacyclic Triterpenes

Uses: reducing oxidative stress

Reference: https://en.m.wikipedia.org/wiki/Hypoestes_phyllostachya



Plant name: Chinese Hibiscus

Synonym: China rose,Hawaiian hibiscus,Rose mallow

Biological source: It is obtained from plant *Hibiscus rosa-sinensis* and belongs to family Malvaceae

Geographical source: Tropical Asia, southeast Asia,Tamil Nadu, Karnataka

Chemical constituents: Tannins ,Arthraquinones, quinines, phenols , flavonoids, Terpenes, saponins

Uses: Edible and used in salads,pH indicator ,used as beverages and tea,shoe polish ,cosmetic skin care

Reference: “Hibiscus rosa-sinesis L.” World Flora online.World Flora Online consortium.



Plant name: Crape myrtle

Synonym: Crepeflower

Biological source: It is obtained from plant *Lagerstroemia indica* and belongs to family Lythraceae

Geographical source: Native to Indian subcontinent, Southeast Asia, China, Korea, Japan

Chemical constituents: Tannins, lignins, sterols, anthocyanins, fatty acids, labdane alkaloids

Uses: Anti-inflammatory, analgesics, antipyretics, antioxidants, anticancer, antimicrobial

Reference: https://en.m.wikipedia.org/wiki/Lagerstroemia_indica



Plant name: Spider plant

Synonym: Spider ivy, ribbon plant

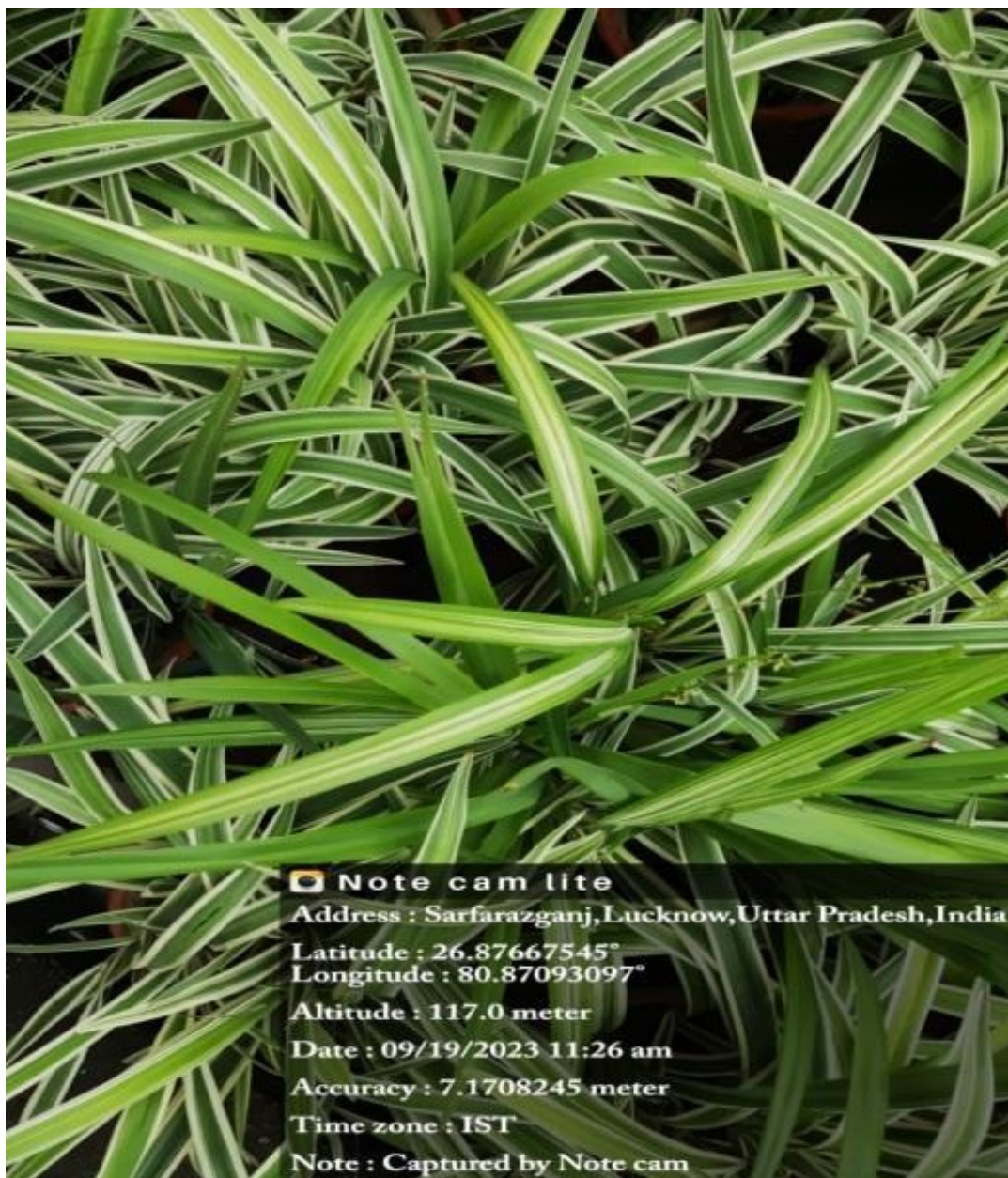
Biological source: It is obtained from *Chlorophytum comosum* and belongs to family Asparagaceae

Geographical source: Southern Africa, western Australia and Bangladesh

Chemical constituents: Alkaloid, Flavonoids, Saponin, Tannin, Cardiac glycosides

Uses: Helps in cleaning indoor air by absorbing chemicals formaldehyde, xylene, benzene

Reference: <https://hort.extension.wisc.edu/articles/spider-plant-chlorophytum-comosum>



Plant name: brazilian spinach

Synonym:Sissoo spinach,Sessile joyweed, Dwarf copperleaf

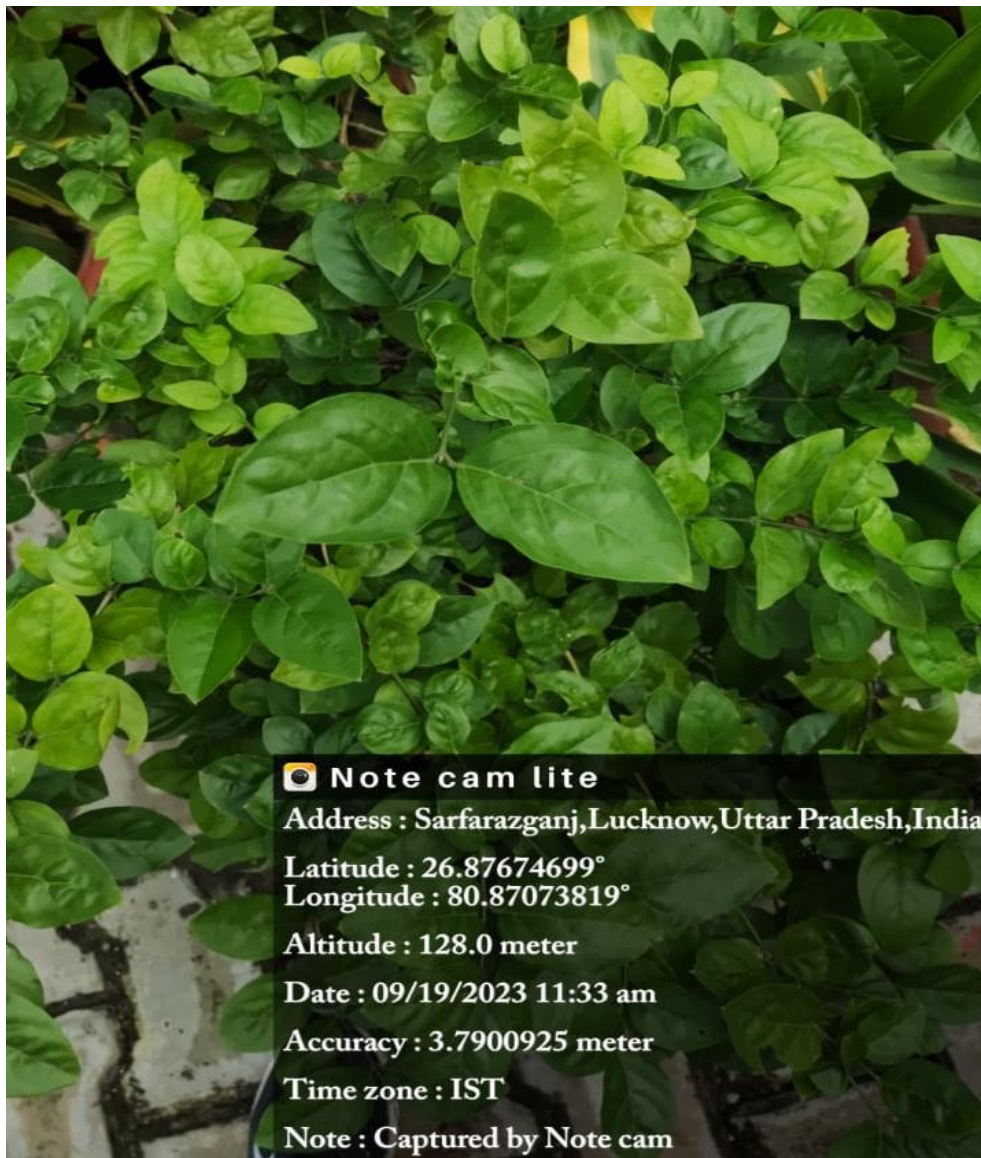
Biological source: It is obtained from *Alternanthera sessilis* and belongs to family Amaranthaceae

Geographical source:United states, Central and south America,South east Asia

Chemical constituents: Volatile fatty acid,propionate, vitamin K, magnesium, calcium, phosphate

Uses: Herbal medicines,ornamental plant,

Reference: https://en.m.wikipedia.org/wiki/Alternanthera_sessilis



Plant name: Smoke tree spurge

Synonym: tropical smoke bush, Caribbean copper plant

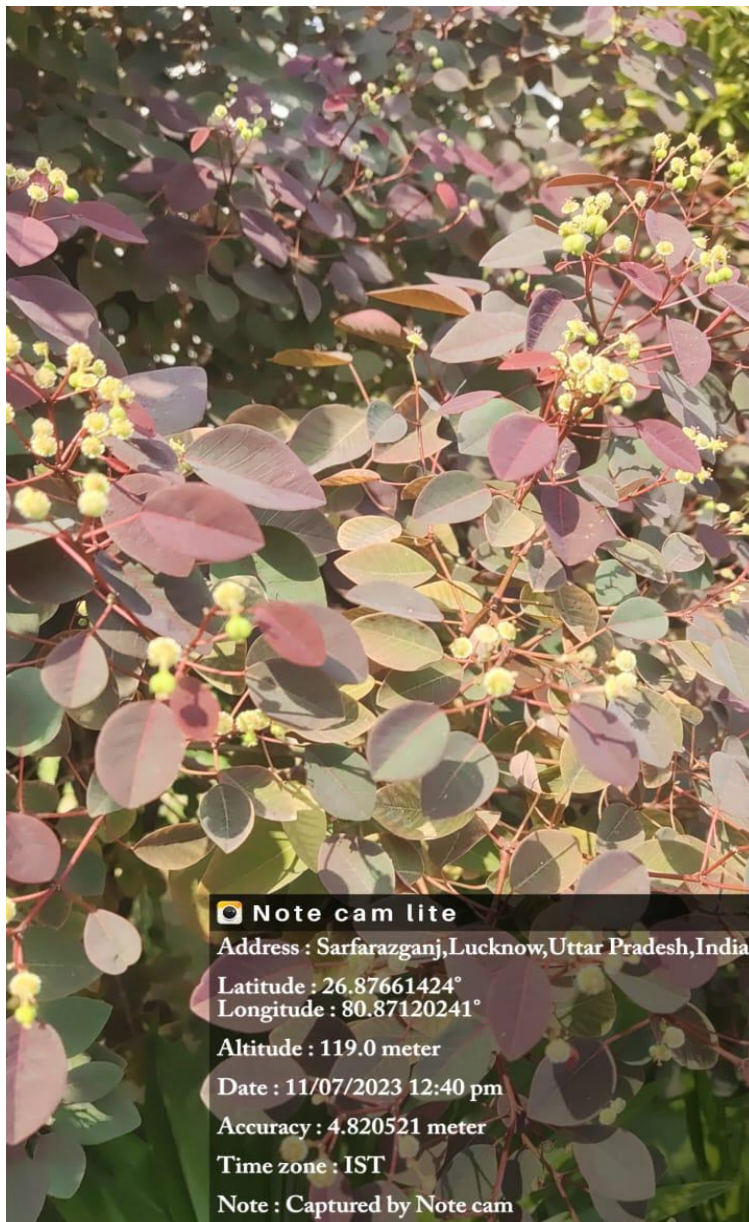
Biological source: It is obtained from plant *Euphorbia cotinifolia* and belongs to family Euphorbiaceae

Geographical source: Mexico, South America

Chemical constituents: beta-caryophyllene, alpha-copaene, germacrene-D

Uses: Antiviral property, molluscicidal, dysentery, jaundice, pimples, digestive problems

Reference: https://en.m.wikipedia.org/wiki/Euphorbia_cotinifolia



Plant name: Bridal bouquet

Synonym: white frangipani, fiddle leaf plumeria, wild plumeria

Biological source: It is obtained from plant *Plumeria pudica* and belongs to family Apocynaceae

Geographical source: Panama, Colombia, venezuela

Chemical constituents: Benzyl salicylate, benzyl benzoate, geraniol, tricosane, linalool

Uses: Antioxidant, treat ulcer, skin disease, herpes

Reference: https://en.m.wikipedia.org/wiki/Plumeria_pudica



Plant name: Frangipani

Synonym: red frangipani,yellow frangipani

Biological source: It is obtained from plant *Plumeria acutifolia* and belongs to family Apocynaceae

Geographical source: Mexico ,Central America, Colombia, venezuela

Chemical constituents: alkaloids, flavonoids, iridoids

Uses: diabetes mellitus,wounds, skin disease, diuretics, purgative, abortion

Reference: https://en.m.wikipedia.org/wiki/Plumeria_acutifolia



Plant name: Christmas candle

Synonym: devil's backbone, redbird flower, milk hedge

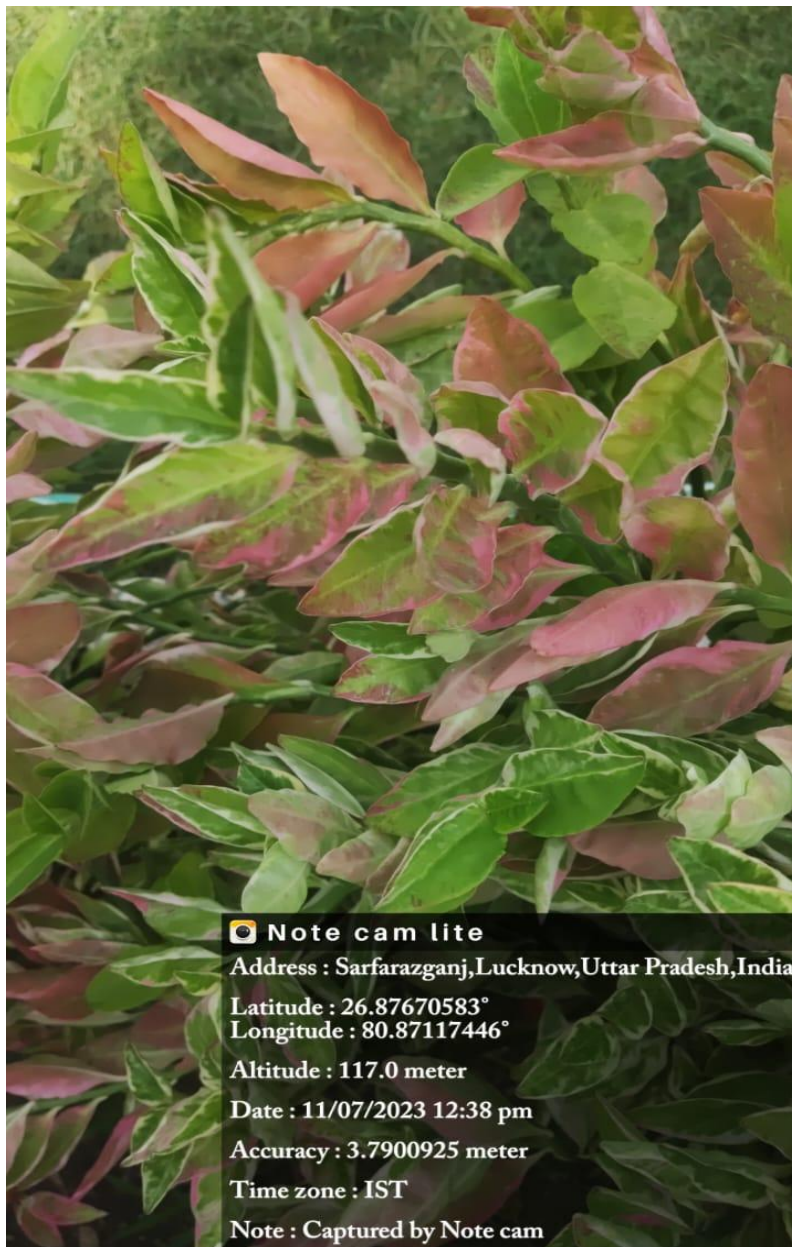
Biological source: It is obtained from plant *Euphorbia tithymaloides* and belongs to family Euphorbiaceae

Geographical source: North america, central America

Chemical constituents: It has proteolytic enzyme known as pedilanthain, flavonoids, terpenoids, rutin, tannins

Uses: Used as Emetic, intestinal worm killing, reduce inflammation

Reference: https://en.m.wikipedia.org/wiki/Euphorbia_tithymaloids



Plant name: African milk bush

Synonym: Synadenium grantii, African milk bush

Biological source: It is obtained from plant Euphoria grantii and belongs to family Euphorbiaceae

Geographical source: African tropics, kenya, uganda

Chemical constituents: Alkanes, triterpenes, phytosterols, tannins, polyphenols and flavanoids

Uses: Treat stomachache, gonorrhoea, constipation, severe diarrhoea, intestinal worm

Reference: https://en.m.wikipedia.org/wiki/Euphoria_grantii



Plant name: Indian chrysanthemum

Synonym: indian chrysanthemum

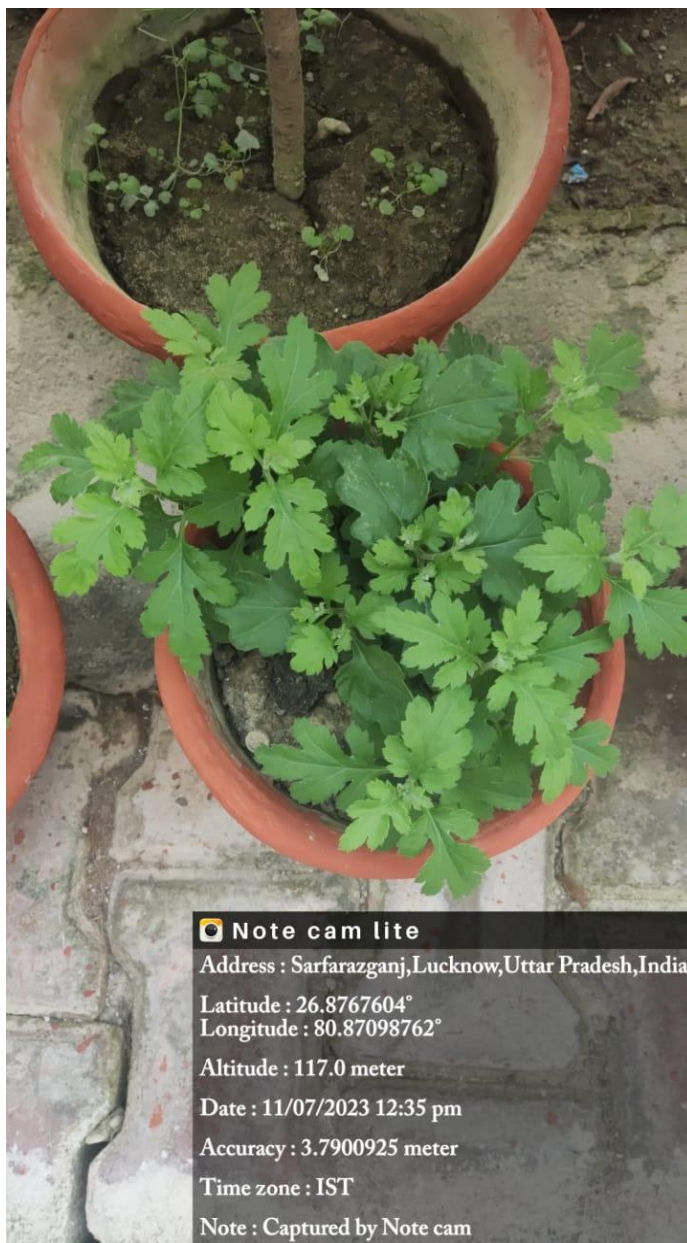
Biological source: It is obtained from plant *Chrysanthemum indicum* and belongs to family Asteraceae

Geographical source: Russia ,china, asia, Europe, korea

Chemical constituents : camphor, isoborneol, alpha-terpinene, caryophyllene oxide

Uses: treatment of pemphigus , swelling, pain and scrofula

Reference: https://en.m.wikipedia.org/wiki/Chrysanthemum_indicum



Plant name: Plum aralia

Synonym: Shield aralia, plum aralia, dinner plate

Biological source: It is obtained from plant Polyscias scutellaria and belongs to family Araliaceae

Geographical source: southwest pacific islands, Asia

Chemical constituents: terpenoid, saponin , terpenes, acetylenes, pyrrolidines

Uses: used as antiseptic, deodorant, anti-inflammatory

Reference: https://en.m.wikipedia.org/wiki/Polyscias_scutellaria



Plant name: China palm plant

Synonym: fountain palm, Chinese fan palm

Biological source: It is obtained from plant *Livistona chinensis* and belongs to family Arecaceae

Geographical source: South Africa , Mauritius, Andaman Islands, Hawaii, Florida

Chemical constituents: Flavonoids, diterpenoids, alkaloids, steroids, polysaccharides

Uses: Anticancer agent , ornamental plant, improve air quality

Reference: . https://en.m.wikipedia.org/wiki/Livistona_chinensis



Plant name: Solenostemon

Synonym: Flame nettle, Painted nettle , Coleus, painted leaf, poor mans croton, jewels of the garden.

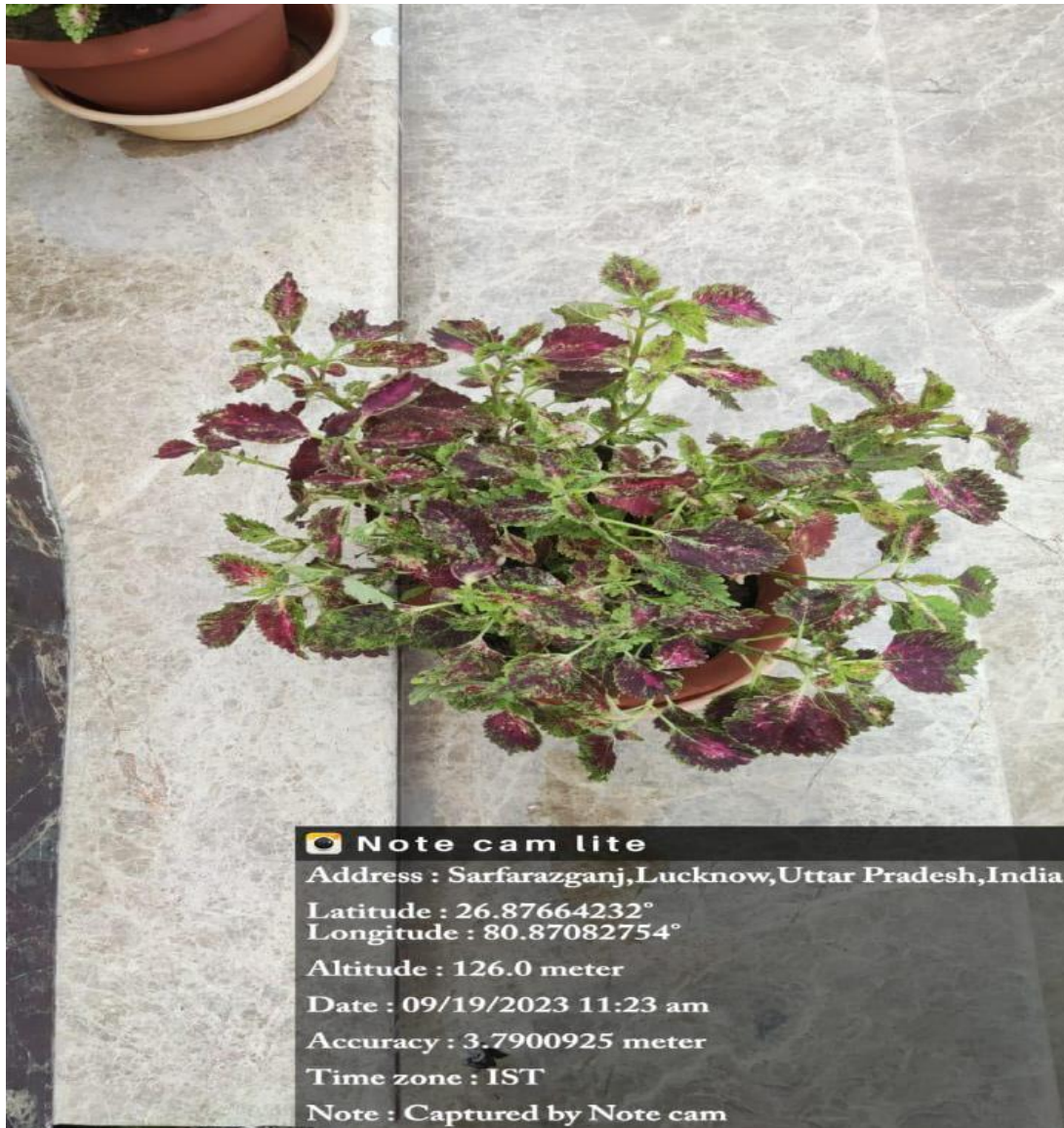
Biological source: It is obtained from plant Solenostemon scutellarioides and belongs to family Lamiaceae.

Geographical source: South east asia and Malaysia, Nepal, india ,Thailand.

Chemical constituents: alkaloids , cardiac glycosides, tannins,saponins,terpenes, flavonoids.

Uses: Decoration , treat malaria, diabetes, hypertension, sickle cell anaemia

Reference: https://en.m.wikipedia.org/wiki/Solenostemon_scutellarioides



Plant name: Balsam

Synonym: .Balsam, garden balsam, rose balsam, touch me not , spot snapweed

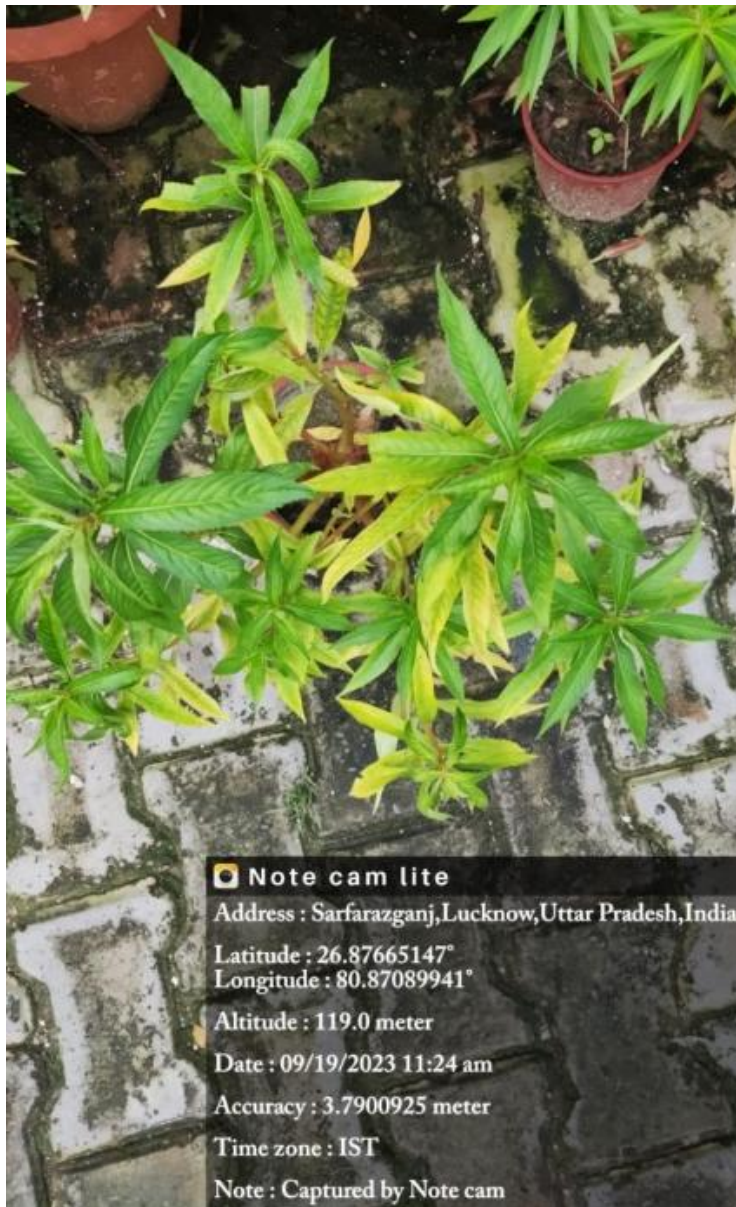
Biological source: It is obtained from plant *Impatiens balsamina* and belongs to family Balsamina

Geographical source: Pacific Ocean islands,

Chemical constituents: hennotannic acid,lawsone methyl ether, kaempferol

Uses: treat skin afflictions, snake bite, applied to burns , rheumatism, pulverised dried skin

Reference: https://en.m.wikipedia.org/wiki/Impatiens_balsamina



Plant name: Golden bottle brush

Synonym: black tea tree, river tea tree, mock olive , prickly leaved tea tree

Biological source: It is obtained from plant *Melaleuca brecteata* and belongs to family myrtaceae

Geographical source: Australia, Africa, Pakistan

Chemical constituents: flavonoids, tannins, phenolic acid

Uses: leaves used to produce essential oil, perfumes, soaps, insecticides

Reference: https://en.m.wikipedia.org/wiki/Melaleuca_brecteata



Plant name: Ruellia tuberosa

Synonym: . minnieroot, fever root , snapdragon root ,sheep potato

Biological source: It is obtained from plant Ruellia tuberosa and belongs to family Acanthaceae

Geographical source: Native to central America , southeast asia

Chemical constituents: Alkaloids, flavonoids, lignans, phenolic compound, sterols

Uses: used as diuretic, antipyretics , analgesics, antihypertensive, anthelmintic and emetic

Reference: https://en.m.wikipedia.org/wiki/Ruellia_tuberosa



Plant name: Norfolk island pine

Synonym: .Norfolk pine, Araucaria heterophylla

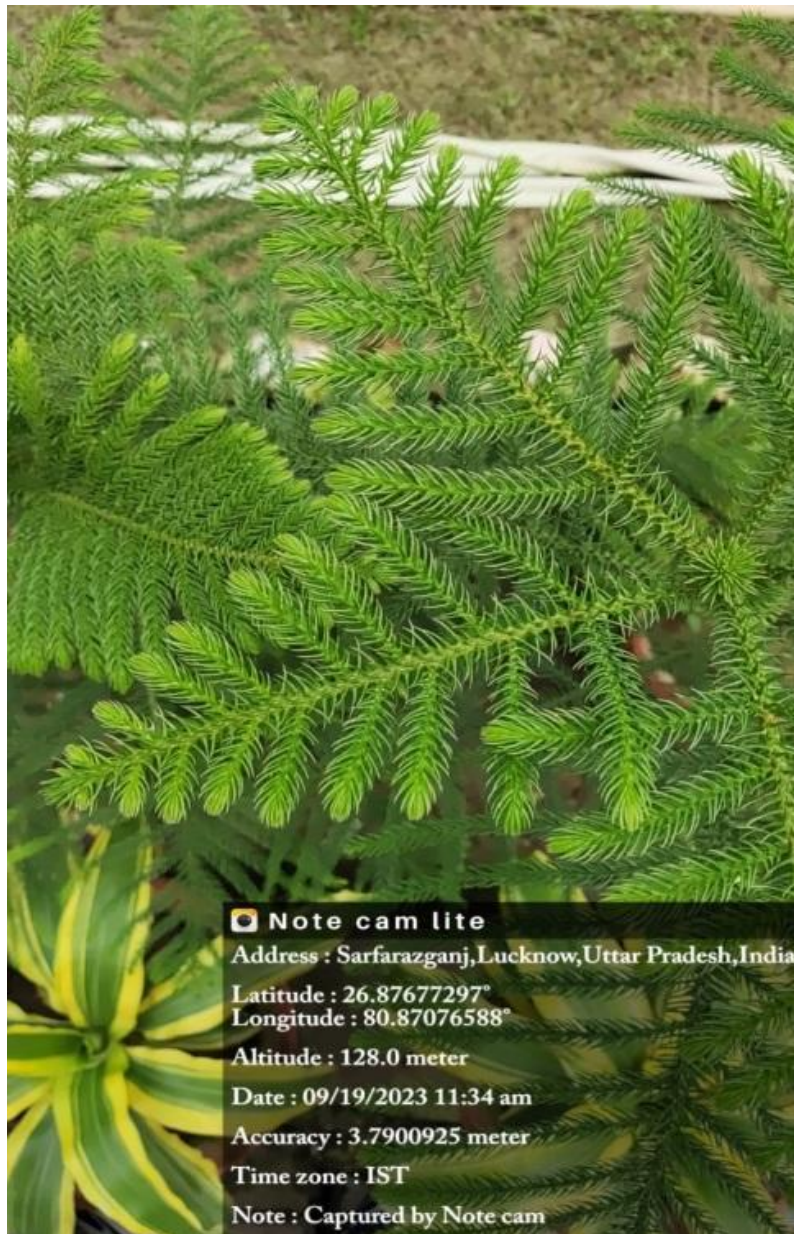
Biological source: It is obtained from plant araucaria heterophylla and belongs to family Araucariaceae

Geographical source: Australia, Norfolk island, new Zealand

Chemical constituents: pinene, sabinene, camphene, D-limonene

Uses: Wood used in construction , furniture, ornamental plant, treat toothache

Reference: https://en.m.wikipedia.org/wiki/Araucaria_heterophylla



Plant name: Cistus

Synonym: .Rockrose, gum cistus

Biological source: It is obtained from plant Cistus and belongs to family cistaceae

Geographical source: Mediterranean region, Morocco, Portugal, canary island

Chemical constituents: Terpenes, curcumene, longiborneol,

Uses: antimicrobial, antitumor, antiviral, anti-inflammatory, expectorants, treat diarrhoea

Reference: <https://en.m.wikipedia.org/wiki/Cistus>



Plant name: Summer cypress

Synonym: ragweed , mock-cypress, world's fair plant , burning bush, Mexican firebrush

Biological source: It is obtained from plant *Bassia scoparia* and belongs to family Amaranthaceae

Geographical source: North America , Eurasia

Chemical constituents: Vitamin C ,Carbohydrate, vitamin B1, nicotinic acid, carotene

Uses: Phytoremediation , Ornamental plant, used for erosion control ,

Reference: https://en.m.wikipedia.org/wiki/Bassia_scoparia



Plant name: Rubber fig

Synonym: rubber bush, Indian rubber tree

Biological source: It is obtained from plant *Ficus elastica* and belongs to family Moraceae

Geographical source: southeast Asia, sri lanka, west indies, florida

Chemical constituents: morin , myricitrin , quercitrin, Elastic polymers, isoprene

Uses: Help ease skin rashes, rheumatic disease, surgical gloves

Reference: https://en.m.wikipedia.org/wiki/Ficus_elastica

