EXOTIC MEDICINAL PLANTS USEFUL IN HOMOEOPATHY FOUND IN NILGIRI DISTRICT TAMIL NADU-

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The Nilgiri District (110 12' to 110 43' and 760 14' and 770 1' E) of Tamil Nadu has a rich indigenous vegetation with a number of temperate elements in its floristic components (Gupta 1962; Bor 1938; Razi 1955). In addition to its diverse vegetation a number of introduced plants are found to flourish because of the climate which is suitable for such exotics (Menon et al. 1963; Krishnamoorthy 1953; Samraj & Haldorai 1977; Samraj 1981).

Current floristic literature (Sharma et al. 1977: Henry et al. 1987) have listed a number of such aliens, while the economic uses of a few plants have been recorded (Rajan 1992). The present survey team, while exhaustively scrutinising the literature and during field trips in the Nilgiri District, collected a number of such exotics which are found to be useful in the Homoeopathic System of Medicine. These are preserved as exsiccata in the herbarium of the office while a few are being cultivated in the research garden. Even though Nilgiris had been botanized extensively with a number of floras published on its plant wealth (Gamble 1915-36; Fyson 1932), it is seen a number of plants have entered anew into the region (Suresh Baburaj et al. 1991). Of these, the plants useful in the Homoeopathic System of Medicine are listed for use by research workers in pharmacognosy, pharmacists and other botanical workers.

Many of these exotics fetch highly remunerative prices and there is good demand for them in the open market. The package of practices for cultivating many of them are yet to be worked out vis-a-vis the Indian agroclimatic conditions.

1. **Armoracia rusticana** P. Gaertner, B. Meyer & Scherb. = *Cochlearia armoracia* Linn. (Brassicaceae)

English : Horse Radish.

Part used : Roots.

Uses : Albuminuria. Aphonia. Asthma.

Gonorrhoea. Urinary dis ...ders.

Herb with rootstock. Native of Europe; grown to a small extent in private gardens.

2. Agave americana Linn. (Agavaceae)

English : Century Plant.
Part used : Chopped leaves.
Uses : Hydrophobia, Scurvy,

Gonorrhoea.

Succulents with yellow streaks on leaves. Native of South America. Found in gardens.

3. Anthoxanthum odoratum Linn. (Gramineae)

English : Sweet vernal grass.

Part used : Whole plant.

Uses : Coryza, Hay Fever.

Native of Europe. A sweet scented herbaceous grass; cultivated in lawns and also as an escape.

4. Apium graveolens Linn. (Umbelliferae)

English : Celery.

Part used : Seeds and twigs.
Uses : Anuria, Headache,

Rheumatism, Dysmenorrhoea.

An erect herb of European origin. Cultivated to a small extent.

5. Avena sativa Linn. (Gramineae)

English : Oats

Part used : Whole plant. Seeds.

Uses : Epilepsy. Chorea. Paralysis

agitans.

^{*} Paper presented at the International Conference on Current Progress in Medicinal & Aromatic Plant Research, Calcutta, Dec. 30, 1994 to January 1, 1995.

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Annual erect grass of European origin. Cultivated as a cereal for fodder.

6. Argemone mexicana Linn. (Papaveraceae)

Part used :

Seeds.

Uses

Bright's Disease. Colic.

Neuromuscular pains.

Native to South America. Herbs with yellow juice. Flowers yellow. Scarcely found in lower elevations.

7. Argemone ochroleuca Sweet (Papaveraceae)

Part used

Seeds. Whole plant.

Uses

Chorea. Verminosis and in-

somnia of children. Beginning

of cataract.

Native to South America. Recent entrant in the Nilgiris (Tamil Nadu). Herbs with lemon yellow flowers. A few found in lower elevations.

8. Bellis perennis Linn. (Compositae)

:

English

English Daisy.

Part used

Whole plant.

Uses

Trauma of soft parts like

stomach, intestine, pelvic organs; Boils, Rheumatism.

Native of Europe and America. A perennial herb. Flowers white or rose; cultivated in gardens.

9. Beta vulgaris Linn.

(Chenopodiaceae)

English Part used Sugar Beet.

Root (tuber).

Uses

Chronic catarrhal conditions.

Tuberculosis

Native of South Europe. Tuberous annuals, cultivated for vegetable purposes.

10. Brugmansia suaveolens (Willd.)Bercht. & J. Presl.

(Solanaceae)

English

Angel's Trumpets.

Part used

Flowers.

Uses

Brain affections. Clairvovance.

Vertigo.

Native of South America. A large shrub with white showy flowers. Planted as hedges and also runs wild throughout the district.

11. Bixa orellana Linn.

(Bixaceae)

English

Dye Arnatto.

Part used

Seeds.

Uses

Leprosy, Eczema,

Elephantiasis.

Native of Central America. Planted in a few places. Small trees with pink flowers and red capsules.

12. Calendula officinalis Linn

(Compositae)

English

Pot marigold.

Part used

Leaves and flowers/whole

plant.

Uses

In cases of open wounds, promotes granulation tissue

formation. Erysipelas

Native of South Europe. Annuals with yellow head. Cultivated in gardens.

13. Camellia sinensis (Linn.) Kuntze (Theaceae)

=Thea sinensis Linn.

English Part used Tea.

Uses

Leaves Delirium tremens. Mania,

Paralysis. Nervousness.

Neuralgia. Sleeplessness.

Native of Burma/Indo China. Shrubs. Flowers white. Extensively cultivated throughout the district.

14. Capsella bursa-pastoris (Linn.) Medicus

(Cruciferae)

(=Thalspi bursa-pastoris Linn.)

English

Shepherd's Purse.

Part used

Whole plant.

Uses

Neuralgia. Uterine fibroid.

Metrorrhagia. Leucorrhoea. Cystitis. Renal Colic.

Native of Central Europe. Small herbs with triangular or obcordate capsules; weeds of fallow fields.

15. Capsicum annum Linn.

(Solanaceae)

English Part used Bird Chillies.

Fruits.

Uses

Myalgia headache's. Sore

throat. stomatitis. urinary tract

infection.

Native of West Indies, tropical America. Shrubs. Flowers solitary. Cultivated.

16. Carica papaya Linn.

(Caricaceae)

English

Papaya

Uses

Digestion of weak patients. enlarged spleen and liver.

Indigestion. Intolerance of milk.

Native of West Indies and Central America. Cultivated in lower elevations. Fruits maturing yellow.

17. Castanea sativa (Linn.) Mill.

(Fagaceae)

= C. vesca Gaertner

English

Sweet Chestnut.

Part used

Leaves.

Uses

Whooping Cough. Diarrhoea,

Lumbago.

Native of temperate Europe and America. A deciduous spreading tree, occasionally planted in gardens.

18. Cephaelia ipecacuanha (Brot.) A. Rich.

(Rubiaceae)

English

lpecac.

Part used

Dried root.

Uses

Amoebic dysentery. Uterine haemorrhage. Morning sickness. Asthma. Intermittent

Fever.

Introduced from South America. A shrub. Occasionally cultivated.

19. Chamaecyparis lawsoniana(Murr.) Parl.

= Cupressus lawsoniana A. Mur.

(Cupressaceae)

English

Lawson's Cypress.

Part used

Berries and leaves.

Uses

Terrible pains in stomach.

Native of North America. Tree. Planted in a few places.

20. Cheiranthus cheiri Linn.

(Cruciferae)

English

Wall flower.

Part used

Whole plant.

Uses

Deafness & Otorrhoea.

Removes pain during cutting of wisdom teeth.

Native of South Europe. Herb with yellow flowers, grown as an ornament.

21. Cinchona calisava Wedd.

(Rubiaceae)

English Part used Quinine. Bark.

Uses

Same as Cinchona officinalis

Linn (q.v.)

Native of Peru and Bolivia (South America). Trees. Introduced and cultivated.

22. Cinchona officinalis Linn.

(Rubiaceae)

English Part used Quinine. Bark.

Uses

Intermittent fevers.

Tympanitis. Colic. Jaundice.

Influenza.

Native of Peru, South America. A slender evergreen tree; introduced and cultivated.

23. Cinnamomum camphora (Linn.) Nees & Eberm.

= Laurus camphora Linn.

(Lauraceae)

English

Camphor.

Part used

Camphor (crystal and oil).

Uses

Cholera. In cases of shock,

Asthma.

Native of China and Japan. Lofty trees. Cultivated in a few places.

24. Convallaria majalis Linn.

(Liliaceae)

English

Lily of the Valley.

Part used Uses

Whole plant. Anasarca. Endocarditis.

Native of Europe and Asia. Herb. Cultivated in gardens.

25. Citrus aurantium Linn. var. Hook f. (Rutaceae)

bigaradia

English

Seville orange.

Part used

Peel.

Uses

Headache. Vertigo. Facial

neuralgia. Metrorrhagia.

26. Citrus grandis (Linn.) Osbeck (Rutaceae)

= C. decumana (Linn.) Murray.

Pomelo. Shaddock. English

Part used

Fruits.

Uses

Tinnitis. Head noises. Sensa-

tion of pressure in temporal

region.

Native to Thailand and Malaysia. Trees. Fruits sour. Cultivated to a small extent.

27. Coffea arabica Linn. (Rubiaceae)

Coffee. English

Fresh or roasted berries. Part used

Uses

(Fresh): Neuralgia. Increased

uric acid, Hypersensitivity, Excitement.

Ecstasy.

(Roasted): Antidote to poisons.

Migraine, Labour pains. Urinary affections. Vertigo.

Native to Ethiopia. Shrubs. Berries maturing red. Cultivated in certain places.

(Solanaceae) 28. Datura arborea Linn.

English

Tree Datura.

Part used

Flowers.

Uses

Brain affections. Clairvoyance.

Vertigo.

Native to South America. A shrub with pendent white flowers. Rarely cultivated.

(Solanaceae) 29. Datura sanguinea Ruiz & Pav.

Part used

Fruits.

Uses

Epilepsy. Convulsions.

Native to South America. A subshrub with reddish vellow flowers; cultivated in gardens, occasionally runs wild.

30. Digitalis purpurea Linn. (Scrophulariaceae)

English

Fox glove.

Part used

Leaves.

Cardiac diseases. Mitral valve Uses

diseases. Pericarditis. Cardiac dropsy. Chronic bronchitis.

Native to Western Europe. Herbs with rosetted leaves, white, rose or pink flowers. Cultivated in gardens. 31. Eschscholtzia californica Cham. (Papaveraceae)

English

Californian poppy.

Part used

Whole plant.

Uses

General weakness. Acceler-

ated respiration. Torpor.

Probably native of America. Herb with bright orange or rarely white flowers. Grown in gardens.

32. Eucalyptus globulus Labill.

(Myrtaceae)

English

Blue gum. Leaves.

Part used Uses

Powerful antiseptic. Influenza.

Acute diarrhoea. Asthma.

Leucorrhoea.

Indigenous in Tasmania and Australia. Trees. Extensively planted, throughout the district.

33. Fragaria vesca Linn.

(Rosaceae)

(Araliaceae)

English Part used Strawberries. Ripe fruits.

Uses

Urticaria. Removes tartar from

teeth.

Native to Europe. Herbs. Grown to a limited extent for the fruits.

34. Hedera helix Linn.

Ivy.

English Part used

Young shoots.

Uses

Cataract. Hydrocephalus.

Rickets.

Native to alpine Europe. An extensive climber with dimorphic leaves; cultivated in gardens.

(Compositae) 35. Helianthus annuus Linn.

English

Sun flower.

Part used

Mature flower heads and ripe

Uses

Intermittent fevers. Nasal

haemorrhage.

Native to America. Cultivated ornamentally.

36. Iberis amara Linn.

(Papilionaceae)

English

Bitter Candytuft.

Part used

Seeds.

Uses

Cardiac diseases. Hypertrophy

of heart. Cardiac dyspnoea.

Native to Europe. Herbs with white flowers.

Cultivated in gardens.

37. Jasmium officinale Linn.

(Oleaceae) Poet's Jasmine.

English Part used

Red berries.

Uses

Convulsions. Tetanus.

Native to North West Himalayas, Persia to China. Flowers fragrant, climber. Planted in hedges.

38. Lactuca sativa Linn.

(Compositae)

English Part used

Lettuce.

Uses

Whole plant. Dropsy of the chest. Ascites.

Impotency. Tickling cough. Promotes milk production.

Native of South Europe and West Asia. A herb with yellow flowers, cultivated.

39. Lycopersicon lycopersicum (Linn.) Karsten

(Solanaceae)

= Lycopersicum esculentum Mill.

English

Tomato

Part used Uses

Whole plant. Ripe fruit. Backache. Deltiod Rheuma-

tism. Diabetes. Diarrhoea. Gout. Headache. Obesity.

Native to Peru and Ecuador. Cultivated in lower areas for fruits.

40. Magnolia grandiflora Linn. (Magnoliaceae)

English

Bull Bay. Tree Lotus.

Part used

Flowers.

Uses

Angina pectoris. Endocarditis.

Pericarditis. Rheumatism associated with cardiac lesions.

Native of South Eastern United States. A tree with dull white flowers.

41. Majorana hortensis Moench. (Labiatae)

= Origanum majorana Linn.

English

Uses

Sweet marjoram.

Breast affections. Nymph-

omania with impulse to run. Erotomania. Leucorrhoea.

Native of South Europe, North Africa and Asia Minor, Aromatic herb, Cultivated,

42. Manihot esculenta Crantz

= M. utilissima Pohl

English Part used Cassava.

Roots

Uses

Gastric disorders. Diarrhoea.

Vomiting. Sleepiness.

Native to Brazil. Shrubs. Cultivated for edible tubers in lower elevations.

43. Mentha piperata Linn.

(Labiatae)

(Euphorbiaceae)

English

Peppermint Whole plant.

Part used Uses

Infantile colic. Bilious colic.

Herpes Zoster. Dry cough.

Hoarseness.

Native to Europe. Strongly scented perennial herb. Cultivated to a small extent.

44. Mentha spicata Linn.

(Labiatae)

= M. viridis Linn.

English Part used

Spearmint. Whole plant.

Uses

Frequent micturition.

Native to Europe. A perennial herb creeping rhizomes; cultivated.

 Myristica fragrans Houtt. (Myristicaceae)

English Part used

Nutmeg & Mace.

Uses

Seeds and aril.

Elephantiasis. Suppuration of

joints. Whitlow.

Native of Moluccas. Trees. Cultivated in lower elevations.

46. Ornithogalum umbellatum Linn. (Liliaceae)

English

Star of Bethlehem.

Part used

Whole plant.

Uses

Cancer of intestinal tract.

Vomiting of coffee ground

substance.

Native of Europe, Britain and North America. Succulent, grown as an ornamental in gardens.

47. Oenothera biennis Linn.

(Onagraceae)

English Part used

Evening Primrose. Whole plant.

Uses

Cholera infantum. Diarrhoea,.

Hydrocephaloid condition.

Native to Europe and America. Large erect herbs with yellow flowers.

48. Parthenium hysterophorus Linn. (Compositae)

Part used

Whole plant.

Uses

Abortion. Amenorrhoea. Cheyne-Stokes breathing. Spleen Diseases. Syncope.

Malarial fever.

Native of South America. Now a pan-tropical weed throughout India.

49. Pastinaca sativa Linn.

(Umbelliferae)

English Part used

Uses

Parsnip.

Roots.

Delirium tremens. Intolerance

of milk. Loquacity.

Native to Central Europe. An erect herb. Cultivated in kitchen gardens.

50. Petroselinum crispum (Mill.)Nyman

(Umbelliferae)

= Apium petroselinum Linn.

:

= Carum petroselinum (Linn.) Benth. & Hook.

English Part used Parsley.

Uses

Whole plant. Piles. Gonorrhoea. Urinary

infections.

Native to Europe. A herb. Cultivated to a limited extent.

51. Polygonum fagopyrum Linn. (Polygonaceae)

(= Fagopyrum esculentum Moench) English

Buckwheat.

Part used

Uses

Whole plant. Amenorrhoea. Metrorrhagia.

Haemorrhoids. Varicosis.

Ulcers & Sores.

Native to Central Asia. Herbs. Cultivated for fodder.

52. Prunus persica (Linn) Batsch.

(Rosaceae)

= Amygdalus persica Linn.

English Part used Peach.

Flowers.

Uses

Ischuria. Haematuria. Vomiting.

Morning sickness.

Native to China. Trees. Cultivated for their fruits.

53. Punica granatum Linn.

(Punicaceae)

English Part used

Pomegranate. Root bark.

Uses

Vermifuge. Salivation.

Nausea. Vertigo.

Native to Iran. Trees. Cultivated for their fruits.

54. Quercus robur Linn.

(Fagaceae)

English Part used

Oak. Acorns

Uses

Alcoholism. Offensive breath. Constipation. Diarrhoea. Fis-

tula. Gout. Spleen affections.

55. Quillaja saponaria Molina

(Rosaceae)

English

Soap bark.

Part used Uses

Bark.

Acute Catarrh. Sneezing, Sore throat. Cough with difficult

expectoration.

Native to Chile and Peru. Few trees found in gardens.

56. Ricinus communis Linn.

(Euphorbiaceae)

English Part used Palma Christi. Seeds. Oil.

Uses

Vertigo. Nausea & Vomiting.

Incessant Diarrhoea.

Probably native to Africa. Small trees. Scarcely cultivated; found as escapes.

57. Robinia pseudo-acacia Linn. (Papilionaceae)

English

Tree Locust.

Part used

Root Bark. Young twigs.

Seeds.

Uses

Gastric Headache. Flatulent colic. Nymphomania. Foetid

Leucorrhoea. Herpes. Acrid

eructations.

Native to America and Europe. Trees with yellow flowers. Planted in gardens.

58. Rosa damascena Mill.

(Rosaceae)

English

Damascus Rose. Flowers.

Part used Uses

Hay Fever. Eustachian Catarrh.

Native to the Middle East. Strongly armed shrubs, cultivated in gardens.

59. Rosamarinus officinalis Mill. (Labiatae)

English Part used Rosemary.

Uses

Whole plant.

Too early menses. Abortion. Drowsiness. Memory deficient.

Baldness.

Native to mediterranean region. Shrubs. Cultivated for essential oil.

60. Salvia officinalis Linn.

(Labiatae)

English

Sage.

Part used Uses

Whole plant.

Phthisis. Galactorrhoea.

Tickling cough.

Native to mediterranean region. Herbs. Cultivated to a small extent.

61. Sarothamnus scoparius (Linn.) W.D.J. Koch

(Papilionaceae)

=Cytisus scoparius Linn.

English

Broom.

Part used Uses

Whole plant.

Strengthens heart. Reduces

B.P. Diuretic.

Native to Western Europe. Naturalized in America. Extensively naturalized in the Nilgiris. Shrub with yellow flowers above 5,500 ft.

62. Schinus molle Linn. (Anacardiaceae)

English

Peruvian Mastic Tree.

Californian Pepper Tree.

Parts used

Leaves and berries.

Uses

Diarrhoea. Liver affections.

Dryness of Oesophagus.

Vomiting.

Native to Tropical South America. Trees with fragrant leaves. Planted in a few places.

63. Senecio bicolor (Willd.) Tod. (DC.) Chater.

subsp. Cineraria

(Compositae)

= S. cineraria DC.

= Cineraria maritima Linn.

English Part used Dusty Miller. Whole plant.

Uses

Cure of cataract and corneal opacities. Trauma of eyes.

Native to Europe. Subshrubs with cottony-white stem and leaves, golden yellow heads. Cultivated to a large extent.

64. Silybum marianum (Linn.)Gaertn.

:

(Compositae)

= Carduus marianus Linn.

English

Holy Thistle.

Parts used

Seeds.

Uses

Liver diseases. Jaundice. Varicose veins. Varicose

ulcers. Miners' Asthma. Dropsy associated with liver diseases.

65. Solanum pseudocapsicum Linn. (Solanaceae)

English

Jerusalem Cherry.

Part used

Fruits.

Uses

Nausea. Pain in abdomen.

Somnolence. Dilatation of

pupils.

Native of Central Europe. Shrubs with white flowers and dark red-orange maturing fruits. Well naturalized.

66. Thebroma cacao Linn.

(Sterculiaceae)

English

Cacoa.

Part used

Beans (Seeds).

Uses

Nervous excitement. Increased

pulse.

Native of Central and South America. Trees. Cultivated in lower elevations.

67. Trifolium repens Linn.

(Papilionaceae)

English

Dutch/White Clover.

Parts used

Whole plant.

Uses

Mumps. Increased salivation.

Native to Europe, North Africa, Western Asia & North America. Creeping herbs with whitish heads. Common among grasses.

68. Tropaeolum majus Linn. (Tropaeolaceae)

English

Garden Nasturtium/Climbing

Nasturtium.

Part used

Whole plant.

Uses

Foetid urine with urinary

complaints.

Native to South America. Climbing herbs with scarlet red, orange or yellow flowers. Cultivated but also runs wild.

Verbascum thapsus Linn. (Scrophulariaceae)

Great Moth Mullein, Hag English Taper, Aaron's Torch. Whole plant. Flowers.

Part used Neuralgia of Zygoma. Otalgia. Uses

Deafness. Enuresis.

(Violaceae)

Indigenous in Europe and Asia. Tall, woolly harbs with yellow flowers. Common in fallow fields.

Viola odorata Linn.

English Sweet Violet. Part used Whole plant.

Uses

Burning of the forehead. Hysterical attacks in tubercular patients. Otorrhoea. Dyspnoea during pregnancy. Milky

urine.

Native to Europe. Herbs with rootstocks. Flowers violet, tinged purple. Cultivated in gardens.

71. Viola tricolor Linn.

(Violaceae)

English Part used Pansy. Heart's Ease.

Whole plant.

Uses Eczema of scalp. Impetigo.

Native to Europe. Cultivated in gardens. Flowers red, yellow, violet, purple or pinkish in various combi-

72. Xanthium spinosum Linn. (Compositae) Part used

Whole plant. Specific for hydrophobia. Uses Chronic Cystitis in women.

Native to South America. Recent entrant in

South India. Rare in sandy places.

Zingiber officinale Roscoe. (Zingiberaceae)

English Ginger.

Part used Rhizomes.

Uses Debility of the digestive

system. Colic. Diarrhoea. Asthma. Cramps in soles and

palms.

Native to South East Asia. Cultivated in lower elevations.

Acknowledgement

The author is grateful to Dr. D.P. Rastogi, Director and Dr. V.M. Nagpaul, Deputy Director, Central Council for Research in Homoeopathy, New Delhi for the encouragement and providing necessary facilities for carrying out the work.

References

- 1. Bor N.L. 1938. The Vegetation of the Nilgiris. Indian For. 64:600-
- 2. Fyson P.F. 1932. The Flora of South Indian Hill Stations. Madras.
- 3. Gamble J.S. & Fischer C.E.C. 1915-36. Flora of the Presidency of Madras. 3 Vols. London.
- 4. Gupta, R.K. 1962. Some observations on the plants of the South Indian Hill tops (Nilgiri & Palni) and their distribution in the Himalayas. Jour. Indian Bot. Soc. 41:1-15.
- Henry A.N., et. al. 1987 & 1989. Flora of Tamil Nadu, India. Series 1 & 2. Analysis. Vol. 2 & 3. Botanical Survey of India, Howrah.
- 6. Krishnamoorthy S. (Ed.) 1953. Horticultural and Economic Plants of the Nilgiris. Coimbatore.
- 7. Rajan S. 1992. Medicinal Plants of Ootacamund, Nilgiris, Tamil Nadu in Jour. Econ. Tax. Bot. Addl. Ser. 10:429-460.
- 8.Razi, B.A. 1955. Some observations on plants of the South Indian hill tops and their distribution. Proc. Nat. Inst. Sci. India 21-B:79-89.
- 9. Samraj P. & Haldorai B. 1977. Natural man made forests in the Nilgiris with special reference to run off and soil loss. Indian For. 103:460-465.
- 10. Samraj P. 1981. Useful alien trees of the Nilgiris. Bull. Bot. Surv. India 23(3 & 4):243-249.
- 11. Sharma B.D., B.V. Shetty et al. 1977. Studies on the Flora of Nilgiris, Tamil Nadu. Biol. Mem. 2(1 & 2):
- 12. Suresh Baburaj D., S.S. Nain & S. Rajan. 1991. Additions to the flora of Nilgiris District, Tamil Nadu. Jour. Ancient Science of Life. 11(1 & 2):78-93.