

**ADDITIONS TO THE FLORA OF NILGIRIS DISTRICT, TAMIL NADU****D. SURESH BABURAJ, S. S. NAIN AND S. RAJAN**

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**ABSTRACT:** Nilgiri District, Tamil Nadu is one of the most botanised areas of southern India. In spite of it a number of wild plants had been missed by previous collectors. In addition a number of exotics and ornamentals having importance in alternative systems of medicine like Homoeopathy and Unani have not been collected and preserved as herbarium records. The present paper lists 36 species of wild plants and 69 species of exotics. Their areas of occurrence, phonological data, accession numbers, and names of collectors have been given.

The Nilgiris District (11° 12' to 11° 43' N and 76° 14' to 77° 1' E) is one of the most botanically investigated areas of the Southern States since pre-independent times **ca.** 150 years before, to the end of the present decade. It is to the richness and diversity of the vegetation of the area and its tropical climate, despite over exploitation, that we owe a number of collections that were made and subsequently discovered. Yet many remain unreported since the publication of recent floral checklists (Sharma **et al**, 1977a) and other similar publications (Sharma **et al**. 1997 b).

While intensively surveying the district for medicinal plants used in the system of Homoeopathy between 1983 – 89, the authors came across a number of plants used in various systems of medicines, of ethno botanical importance and which were also interesting in other aspects. When these were authenticated at the regional herbarium at Botanical Survey of India (Southern Circle) at Coimbatore (M. H.) a number of new entrants to the Nilgiris District were found. Hence Part I comprises of 36 species belonging to 25 families of common wild plants which form the bulk of the undergrowth of **shoal** forests, weeds of fallow fields, roadsides and similar ephemeral annuals or biannuals that could possibly have been missed during previous collections.

In addition, a number of exotics and introduced plants form the bulk of ornamentals of gardens and natural parks of this area and which have been neglected, but reported elsewhere (Krishnamurthy 1953; Mathew 1969). As a number of exotics are used in the preparation of medicines and form the basic raw drug source in various alternative systems of medicines like Homoeopathy, Unani and a few others, the need for proper identifications and preservation in the form of herbarium sheets for immediate reference **in situ** and **ex situ** conservation of them was acutely felt. In a few cases some of these aliens are reported and being recorded for the first time in this region. Part I of the present paper deals with 69 species belonging to 34 families of such

interesting aliens and exotics which have been collected during botanical exploration by the officials of Survey of Medicinal Plants and Collection Unit at Ootacamund (Ooty), Tamil Nadu. Voucher specimens, whose numbers have been given are deposited in the herbarium of the Survey of Medicinal Plants and Collection Unit, Ootacamund, Tamil Nadu. It is hoped that the list will be useful not only for botanical research workers but also to those interested in the fields of medicinal plants, pharmacognosy and pharmacy.

The plants have been arranged in each part according to the system of classification by Bentham and Hooker with some modifications to include recent changes in the delimitation of families with genera and species within each family in alphabetical order.

## PART I

### MENISPERMACEAE

**Cocculus hirsutus** (Linn.) Diels in Engler, Pflanzenr. 46 : 236. 1910; Dunn in Gamble, Fl. Pres. Madras 29. 1915. **C. villosus** (Lam.) DC. Syst. 1: 525. 1817; Hook. F. & Thoms. In Hook. F. Fl. Brit. India 1 : 101. 1872.

A hirsute, evergreen, shrubby climber with yellowish green flowers. Rare.

Locality: Maravakandy Dam near Masinakudi.

SMPCU No. 789, Dawre (6.8.1985).

Flowering

### PORTULACACEAE

**Portulaca oleacea** Linn. Sp. Pl. 445. 1753; Dyer in Hook. F. Fl. Brit. India 1 : 246. 1874; Dunn in Gamble, Fl. Pres. Madras 66. 1915.

A succulent annual. Fruits circumscissile. Rare

Locality : Near KNR Goat Farm, above Burliar on the way to Coonoor.

SMPCU No. 2240, Dawre (16.4.1988).

Fruiting

### MALVACEAE

**Abutilon ramosum** (Cav.) Guill & Perr. Fl. Seneg. Tent. 1 : 68. 1831 ; Mast. In Hook. F. Fl. Brit. India 1 : 328. 1874; Dunn in Gamble, Fl. Pres. Madras 91. 1915.

**Sida ramosa** Cav. Diss. 1 : 28. T. 6. F. 1. 1785.

A small shrub with downy hairs.

Fruits with spreading awans. Rare

Locality : 1 km after Gethai towards Mulli.

SMPCU No. 1751, Dawre (25.2.1987).

Fruiting.

## VITACEAE

**Cissus adnata** Roxb. Fl. Ind. 1: 423. 1820; Gamble, Fl. Pres. Madras 234. 1918.

**Vitis adnata** (Roxb). Wall. Cat. N. 5998. 1831 – 1832; Lawson in Hook. F. Fl. Brit. India 1 : 649. 1875.

A slender climber with bifid tendrils. Flowers reddish. Rare.  
Locality: 2 km from Theppakaadu, on the way to Masinakudi.  
SMPCU No. 769, Dawre (6.8.1985).  
Flowering & Fruiting.

## SAPINDACEAE

**Cardiospermum halicacabum** Linn. Sp. Pl. 366. 1753; Hiern in Hookf. Fl. Brit India 1: 670. 1875; Gamble, Fl. Pres. Madras 244. 1918.

A slender, tendril, climbing herb. Flowers white. Rare.  
Locality : Near Hair Pin Bend 7 | 14, ghat road between Coonoor to Mettupalayam.  
SMPCU No. 2396, Dawre (5.9.1988).  
Flowering & Fruiting.

## MORINGACEAE

**Moringa concanensis** Nimmo ex Gibs. In Dalz & Gibs. Bombay Fl. 311. 1861; Hook. F. Fl. Brit. India 2 : 45. 1876; Gamble, Fl. Pres. Madras 270. 1918.

A tree with thick bark in dry places. Flowers white, fruits pendent. Fairly common.  
Locality : From Thengumarada village to the Nilgiri foot hills.  
SMPCU No. 1864, Dawre (11.3.1987).  
Flowering and Fruiting.

## PAPILIONACEAE (Fabaceae)

**Medicago polymorpha** Linn. Sp. Pl. 779. 1753; Nair & Henry, Fl. Tamil Nadu 1 115. 1983. **M. denticulate** Willd. Sp. Pl. 3 : 1414. 1802; Baker in Hook. F. Fl. Brit. India 2 : 90. 1876.

A glabrous annual with creeping branches. Flowers yellow, pods, spiraled, bristly. Rare.  
SMPCU No. 2166. Dawre (23.1.1988).  
Flowering & Fruiting.

**Melilotus indica** (Linn.) All. Fl. Pedem. 1 : 308. 1875; Gamble, Fl. Pres. Madras 303. 1918. **M. parviflora** Desf. Fl. Atlant. 2: 192. 1799; Baker in Hook.f. Fl. Brit. India 2 : 89. 1876.

An erect annual with yellow flowers and glabrous, one seeded pods. Common on grasslands.

Locality : Near Arts College, Fields, Ooty.

SMPCU No. 1060, Dawre (21.12.1985).  
Flowering & Fruiting.

**Trifolium cernuum** Brot. Phyt. Lusit. Ed. 3. 1: 150. 1816; Nair & Henry, Fl. Tamil Nadu 1: 124. 1983.

A suberect or procumbent herb with light pink flowers. Rare.

Locality: Road around reservoir, Kateri Falls, near Aruvankadu.

SMPCU No. 1665, Dawre (17.12.1986).  
Flowering.

### CAESALPINIACEAE

**Bauhinia racemosa** Lam. Encycl. 1: 390. 1785; Baker in Hook.f. Fl. Brit. India 2: 276. 1878; Gamble, Fl. Pres. Madras 406. 1919.

A small, deciduous tree with flat, twisted pods.

Locality: Bokkapuram R. F.

SMPCU No. 1945, Dawre (23.6.1987).  
Fruiting.

### MIMOSACEAE

**Pithecellobium dulce** (Roxb.) Benth. In London J. Bot. 3: 199. 1844; Baker in Hook. F. Fl. Brit India 2: 302. 1878; Gamble, Fl. Pres. Madras 434. 1919.

An armed tree with stipular spines. Flowers pale yellow, pods twisted.

Locality: Ghat roadside, 3 km above Burliar to Coonoor.

SMPCU No. 2923, Suresh Baburaj (17.2.1989).  
Flowering & fruiting.

**Prosopis glandulosa** Torrey in Ann. Lyceum. Nat. Hist. New York 2: 192. T.2. 1827; Johnson in Brittonia 14: 82. 1962; Nair & Henry, Fl. Tamil Nadu 1: 139. 1983.

An armed shrub with yellow spikes and linear pods. Rare.

Locality : Moyar riverside, Thengumarada.  
SMPCU No. 1841, Dawre (10.3.1987)

Flowering and Fruiting.

## ONAGRACEAE

**Oenothera odorata** Jacq. Ic. Pl. Rar. 3(3): t. 456. 1782: Clarke in Hook. F. Fl. Brit. India 2: 582. 1879: Nair & Henry, Fl. Tamil Nadu 1: 168. 1983.

A perennial herb with red tinged yellow flowers, run wild sporadically.

Locality: Kodappamund, on the way to Doddabetta.

SMPCU No. 1175, Dawre (17.2.1986).

Flowering

SMPCU No. 2941, Suresh Baburaj (27.5.1989).

Flowering & Fruiting.

## CUCURBITACEAE

**Luffa acutangula** (Linn.) Roxb. Fl. Ind. 3: 713. 1832 var **amara** (Roxb.) Clarke in Hook. F. Fl. Brit. India 2: 615. 1879; Gamble, Fl. Pres. Madras 533. 1919; Nair & Henry, Fl. Tamil Nadu 1: 172. 1983.

A tendril climber with yellow flowers. Pods smooth, small, 10-ribbed. Rare.

Locality: Moyar riverside on hedges, Tehngumarada.

SMPCU No. 1826, Dawre (10.3.1987).

Flowering & Fruiting.

## COMPOSITAE

**Partherium hysterophorus** Linn. Sp. Pl. 988. 1753; Henry et al. Fl. Tamil Nadu 2: 45. 1987.

A well naturalized alien herb with white heads. Common.

Locality : Maravakandy dam.

SMPCU No. 785, Dawre (6.8.1985).

Flowering.

## PLUMBAGINACEAE

**Plumbago auriculata** Lam. Encycl. 2: 270. 1786. **P. capensis** Thunb. Prodr. Cap. 33. 1794; Gamble, Fl. Pres. Madras 745. 1921.

An erect herb with light blue flowers; found as an escape. Rare.

Locality: Way to Falls, Kalhatti.

SMPCU No. 1039, Dawre (14.11.1985).  
Flowering.

### CONVOLVULACEAE

**Exogonium purge** Benth. In Lindl. Bot. Reg. t. 49. 1847; Wealth of India 3: 236. 1952; Dawre et al. Check List Homoeop. Med. Pl. India 22. 1987.

A herbaceous climber with tuberous root; flowers purplish – pink; naturalized in shoals. Rare.

Locality : Doddabetta R. F., on the way to Kendhorai.

SMPCU No. 2049, Rajan (12.10.1987).

Flowering.

SMPCU No. 2057, Rajan (2.11.1987).

Flowering.

### SOLANACEAE

**Datura innoxia** Mill. Gard. Dict. Ed. 8. n.5. 1768. **D. metel** auct. Non Linn. 1753; Clarke in Hook. f. Fl. Brit. India 4: 243. 1883; Gamble, Fl. Pres. Madras 941. 1923.

A densely pubescent herb, with white flowers. Common.

Locality : Thengumarada

SMPCU No. 1829, Dawre (10.03.1987).

Flowering.

**Solanum pseudocapsicum** Linn. Sp. Pl. 184. 1753; Henry et al. Fl. Tamil Nadu 2 : 116. 1987.

A erect, evergreen, glabrous shrub with white flowers. When ripe berries red.  
Common.

Locality Lakside, Ooty.

SMPCU No. 338, Rajan (30.08.1984).

Flowering and fruiting.

SMPCU No. 362, Dawre (21.09.1984).

Fruiting.

### SCROPHULARIACEAE

**Cymbalaria muralis** Gaertn. In Mey & Scherb. Oekon. Fl. Wetterau 2: 397. 1799 – 1802; Henry et al. Fl. Tamil Nadu 2: 119. 1987.

A slender, trailing perennial herb. Flowers solitary, violet with yellow throat.

Common.

SMPCU No. 2081, Rajan (24.11.1987).

Flowering.

## ACANTHACEAE

**Blepharis maderaspatensis** (Linn.) Heyne ex Roh, Nov. Pl. Sp. 320. 1821. **B. boerhaviifolia** Pers. Syn. 2: 180. 1806; Clarke in Hook. f. Fl. Brit. India 4 : 478. 1884; Gemble, Fl. Pres. Madras 1013. 1924.

Prostrate herb, rooting at the nodes. Flowers creamy white with unequal bracts. Fairly common.

Locality: Between Gethai to Mulli, near bridge. 3 km above Burliar on the way to Coonoor. SMPCU No. 1763, Dawre (25.2.1987).

Flowering.

SMPCU No. 2219, Dawre (16.4.1988).

Flowering.

## LABIATAE (Lamiaceae)

**Orthosiphon pallidus** Benth. Labiat. Gen. Sp. 708, 1835; Hook. f. Fl. Brit. India 4: 613. 1885; Gaale, Fl. Pres. Madras 1113. 1924.

A diffuse shrub with white flowers. Rare.

Locality : Ghat road from Coonoor to Mettupalayam between Hair Pin Bends 6 & 7. SMPCU No. 311, Dawre (4.8.1984).

Flowering.

**Boerhavia diffusa** Linn. Sp. Pl. 3. 1753; Gamble, Fl. Pres. Madras 1162. 1925. **B. repens** Linn. Sp. Pl. 3. 1753; Hook. f. Fl. Brit. India 4: 709. 1885.

A diffuse, slender herb with pink flowers. Fruits glandular hairy. Rare.

Locality : Near Log House, Mundumalai. Near Moyar river bank, Thengumarada. SMPCU No. 747, Dawre (6.8.1985).

Flowering & fruiting.

SMPCU No. 1836, Dawre (10.3.1987).

Flowering & fruiting

## AMARANTHACEAE

**Alternanthera paronychioides** A. St. Hil. Voy. Distr. Diamans Bres. 2 : 43. 1833; Mathew, Fl. Tamil Nadu Carnatic 3: 1302. 1983; Henry **et al.** Fl. Tamil Nadu 2 : 190. 1987.

An erect herb with reddish stem and leaves; flowers creamy white. Rare.

Locality : Coonoor.  
SMPCU No. 1694, Suresh Baburaj (4.2. 1987).  
Flowering.

**Alternanthera pungens** Kunth in H.B.K. Nov. Gen. Sp. 2: 206. 1818; Henry **et al.** Fl. Tamil Nadu 2: 191. 1987.

A spiny, prostrate herb, along roadsides. Rare.

Locality: 5 km from Theppakkadu towards Masinakudi.  
SMPCU No. 2151, Dawre (17.12.1987).  
Flowering.

**Alternanthera sessilis** (Linn.) R. Br. Ex. DC. Cat. Hort. Monsp. 4: 77. 1813; Hook. F. Fl. Brit. India 4: 731. 1885. **A. triandra** Lam. Encycl. 1 : 95. 1783; Gamble, Fl. Pres. Madras 1179. 1925.

A prostrate herb, rooting at nodes. Flowers whitish – pink with cordiform, compressed utricles. Rare in moist places.

Locality: Moyar river bank, Masinakudi.  
SMPCU No. 2143, Dawre (17.12.1987).  
Flowering & Fruiting.

**Amaranthus graecizans** Linn. Sp. Pl. 990. 1753. Subsp. **Thellungianus** (Nevski) Cusev, Bot. Zurn. (Moscow & Leningrad) 57 : 462. 1972; Mathew, Fl. Tamil Nadu Carnatic 3; 1306. 1983. **A. polygamus** auct. Non Linn; Hook. F. Fl. Brit. India 4: 721. 1885 **proparte**: Gamble, Fl. Pres. Madras 1171. 1925.

Prostrate herb with pale green flowers and rugose utricles. Rare.

Locality : Manikkal, Manjoor.  
SMPCU No. 1725, Dawre (24.2.1987).  
Flowering & fruiting.

**Amaranthus viridis** Linn. Sp. Pl. ed. 2. 2: 1405. 1763; Hook. F. Fl. Brit. India 4: 720. 1885; Gamble, Fl. Pres. Madras 1171. 1925.

An erect, slender, unarmed herb with light greenish spikes. Rare.

Locality : On the way to Kalhatti Falls.  
SMPCU No. 1931, Dawre (14.11.1985).  
Flowering.

## LAURACEAE

**Neolitsea folisa** (Nees) Gamble var. **caesia** (Meisner) Gamble, Fl. Pres. Madras 1240. 1925.  
**Litsea foliosa** Nees var. **caesia** Meisner in DC. Prodr. 15 (1) : 222. 1864.

A tree with glaucous, acuminate leaves. Fruits globose, seated on the calyxcup. Common in shoals.

Locality : 5 km from Thaishola towards Kinnakkorai.  
SMPCU No. 1775, Dawre (26.2.1987).  
Fruiting.

## **EUPHORBIACEAE**

**Acalypha ciliate** Forssk., Fl. Aeg. – Arab. 162. 1775; Hook. F. Fl. Brit. India 5 : 417. 1887;  
Gamble, Fl. Pres. Madras 1330. 1925.

Subshrub with crowded, greenish flowers. Rare.

Locality: 2 km from Theppakkadu towards Masinakudi.

SMPCU No. 771, Dawre (06.08.1985).  
Flowering.

**Croton bonplandianum** Baill. In Adansonia 4: 339. 1864. **C. sparsiflorus** Morong. Ann. New York Acad. Sci. 7: 221. 1893; Gamble, Fl. Pres. Madras 1316. 1925.

Subshrub with white flowers and three bivalve capsules. Rare.

Locality : Ghat road from Mettupalayam to Coonoor, near Hair Pin Bend 6 – 7.  
SMPCU No. 320, Dawre (04.08.1984).  
Flowering & fruiting.

**Croton malabaricus** Bedd. Ic. T. 181. 1868 – 1874; Hook. F. Fl. Brit. India 5: 386. 1887;  
Gamble, Fl. Pres. Madras 1314. 1925.

A medium sized tree; leaves grayish silvery on abaxial side. Fruits shallowly six lobed. Rare.

Locality : Shola between Nadugani and Nilambur.  
SMPCU No. 1422, Dawre (28.8.1986).  
Fruiting.

**Trewia nudiflora** Linn. Sp. Pl. 1193. 1753; Hook. F. Fl. Brit. India 5: 423. 1887; Gamble, Fl. Pres. Madras 1319. 1925.

A deciduous tree with greenish flowers.  
Locality : Moyar river bank, Thengumarada.  
SMPCU No. 1824, Dawre (10.03.1987).

Flowering.

## **AGAVACEAE**

**Sansevieria roxburghiana** Schultes & Schultes f. Mant. Syst. Veg. 7: 357. F. 12 D & E 1829; Hook. F. Fl. Brit. India 6: 271. 1892; Fischer in Gamble, Fl. Pres. Madras 1520. 1928.

Acaulescent succulents with flat, cross striped leaves. Flowers white, fruits globose in solitary scapes. Locally abundant.

Locality : 3 km above Burliar on the way to Coonoor.

SMPCU No. 221, Dawre (16.04.1988).

Fruiting.

SMPCU no. 2920, Suresh Baburaj (17.02.1989).

Flowering.

## **PONTERIACEAE**

**Eichhornia crassipes** (C. Maritus) Solms Laub. In A. DC. Menogr. Plan. 4 : 527. 1883; Fischer in Gamble. Fl. Pres. Madras 1530. 1928.

Free-floating or rooted. Aquatic. Flowers violet. Common in Ooty Lake and streams.

Locality : Ooty, Lake.

SMPCU No. 2271, Nain (1.6.1988).

Flowering.

## **LEMNACEAE**

**Spirodela polyrhiza** (Linn.) Schleiden in Linnaea 13 : 392. 1839; Mathew, Fl. Tamil Nadu Carnatic 3 : 1706. 1983. **Lemna polyrhiza** Linn. Sp. Pl. 970. 1753; Fischer in Gamble, Fl. Pres. Madras 1593. 1931.

A small floating, aquatic. Common in Lake.

Locality : Ooty, Lake.

SMPCU No. 2282, Dawre (22.6.1988).

PART – II

## **CULTIVATED PLANTS AND IMPORTANT EXOTICS**

### **PANUNCULACEAE**

**Delphinium consolida** Linn. Sp. Pl. 530. 1753; Anon., Wealth of India 3 : 31. 1952.

An erect herb with violet, rose or white flowers and cylindrical fruits. Widely cultivated in gardens. The FORKING LARKSPUR.

Locality : Ooty.

SMPCU No. 2267, Rajan (25.5.1988).

Flowering & fruiting.

## MAGNOLIACEAE

**Magnolia grandiflora** Linn. Syst. Nat. 2 : 1082. 1759; Nair & Henry, Fl. Tamil Nadu 1 : 3. 1983.

An ever green tree with solitary, showy, white, fragrant flowers. Planted in gardens and bungalows. The BULL BAY or TREE LOTUS.

Locality : Ooty.

SMPCU No. 840, Rajan (29.9.1985).

Flowering

SMPCU No. 2570, Rajan (4.1.1989).

Fruiting.

## PAPAVERACEAE

**Eschscholzia californica** Cham. In Nees, Hor. Phys. Berol. 74. 1820; Anon., Wealth of India 3: 202. 1952; Nair & Henry, Fl. Tamil Nadu 1: 9. 1983.

An erect, perennial herb with orange yellow to rarely white flowers and linear, ribbed capsules. Commonly cultivated. The CALIFORNIAN POPPY.

Locality : Ooty

SMPCU No. 1021, Rajan (7.11.1985).

Flowering & fruiting.

**Papaver rhoeas** Linn. Sp. Pl. 507. 1753; Hook. F. Fl. Brit. India 1 : 117. 1872; Anon., Wealth of India 1 : 117. 1872; Wealth of India 7 : 232. 1966.

An erect branching herb. Flowers scarlet with a dark eye, capsule sub-globose. Frequently cultivated in gardens. The CORN POPPY.

Locality : Ooty

SMPCU No. 1185, Rajan (28.2.1986).

Flowering.

## CRUCIFERAE (Brassicaceae)

**Cherianthus cheiri** Linn. Sp. Pl. 661. 1753; Hook. F. & T. Anderson in Hook. F. Fl. Brit. India 1 : 132. 1872; Anon., Wealth of India 2 : 127. 1950; Nair & Henry, Fl. Tamil Nadu 1 : 11. 1983.

A herb with yellow flowers and double ridged, flat fruits. Cultivated in gardens. The WALL FLOWER.

Locality : Ooty.  
SMPCU No. 226, Rajan (24.5.1988).  
Flowering & fruiting.

**Iberis amara** Linn. Sp. Pl. 649. 1753; Anon., Wealth of India 5 : 161. 1959; Nair & Henry, Fl. Tamil Nadu 1: 12. 1983.

An erect annual with white flowers in corymbose racemes and elliptic-rounded pods. Commonly cultivated. The ROCKET CANDYTUFT.

Locality : Ooty.  
SMPCU No. 335, Dawre (23.8.1984).  
Flowering & fruiting.  
SMPCU No. 2952, Suresh Baburaj (27.5.1989).  
Flowering.

## **VIOLACEAE**

**Viola odorata** Linn. Sp. Pl. 2 : 1524 ; Hook. F. & Thomson in Hook. F. Fl. Brit. India 1 : 184. 1872; Anon., Wealth of India 10: 514. 1976.

A spreading herb with stout root – stock. Flowers violet. Fruits globose, hirsute. Commonly cultivated in borders. The SWEET VIOLET.

Locality : Ooty.  
SMPCU No. 686, Rajan (23.5.1985).  
Flowering.  
SMPCU No. 1016, Dawre (16.10.1985).  
Flowering

**Viola tricolor** Linn. Sp. Pl. 2 : 1326. 1753; Hook. F. & Thomson in Hook. F. Fl. Brit. India 1 : 182. 1872; Anon., Wealth of India 10: 516. 1976.

A glabrous herb with multiple coloured flowers of purple, violet, yellow or white combinations. Easily hybridisable and very variable. Commonly cultivated in all gardens. The GARDENS PANSY, HEARTS EASE.

Locality : Ooty.  
SMPCU No. 696, Rajan (25.5.1985).

Flowering  
SMPCU No. 2293, Dawre (24.6.1988).  
Flowering.

## **MALVACEAE**

**Althaea rosea** (Linn.) Cav. Diss. 2 : 91. T. 28. F. 1. 1786; Mast. In Hook. F. Fl. Brit. India 1 : 319. 1874; Mathew in Rec. Bot. Surv. India 20 (1) : 50. 1969; Nair & Henry, Fl. Tamil Nadu 1 : 33. 1983.

An erect, pubescent herb with white or rose flowers. Commonly cultivated in gardens. The HOLLY HOCK.

Locality : Ooty.  
SMPCU No. 2269, Rajan (25.5.1988).  
Flowering

**Abutilon striatum** Dickson ex Lindl. In Bot. Reg. Misc. Not. 39. 1839; Nair & Henry, Fl. Tamil Nadu 1 : 33. 1983.

A shrub with rose flowers. Cultivated in gardens.

Locality : Ooty  
SMPCU No. 2072, Suresh Baburaj (21. 11.1987).  
Flowering.

**Abutilon megapotamicum** (Spreng) Mill. & Naudin in Ann. Sci. Nat. Bot. Ser. 2. 18: 49. 1842; Mathew in Roc. Bot. Surv. India 20 (1) : 50. 1969; Nair & Henry, Fl. Tamil Nadu 1 : 32. 1983.

A shrub. Flowers yellow with purple veins inside. Cultivated as a hedge plant in gardens. The COMMON CHINESE BELLFLOWER.

Locality : Ooty  
SMPCU No. 2086, Dawre (25.11.1987).  
Flowering.

## **TROPAEOLACEAE**

**Tropaeolum majus** Linn. Sp. Pl. 345. 1753; Matthew in Roc. Bot. Surv. India 20 (1): 58. 1969; Nair & Henry, Fl. Tamil Nadu 1 : 49. 1983.

A perennial, succulent climber with yellowish orange or red flowers. Commonly cultivated in gardens. The GARDEN NASTURTIUM.

Locality : Ooty.  
SMPCU No. 415, Rajan (27.12.1984).

Flowering.  
SMPCU No. 2167 & 2168, Dawre (23.1.1988).  
Flowering (different colours).

## RUTACEAE

**Citrus aurantifolia** (Christm.) Swingle in J. Wash. Acad. Sci. 3: 465. 1913. **Limonia aurantifolia** Christm. In Linn. Pflanzensyst. 1 : 618. 1777. **Citrus medica** Linn. var. **acida** (Roxb.) Hoof. F. Fl. Brit. India 1 : 515. 1875; Gamble, Fl. Pres. Madras 161. 1915; Nair & Henry, Fl. Tamil Nadu 1: 58. 1983.

A small tree, with narrowly winged petioles and smooth, nearly round sour fruits. Cultivated. The SOUR LIME or COUNTRY LIME.

Locality : Manjoor  
SMPCU No. 1066, Dawre (20.1.1986).  
Flowering & Fruiting.

**Citrus grandis** (Linn.) Osbeck, Dagbok Ostind. Resa 98. 1757. **C. aurantium** Linn. var **grandis** Linn. Sp. Pl. 783. 1753. **C. decumana** Linn. Murr. Syst. Ed. 13. 508. 1774; Gamble, Fl. Pres. Madras 162. 1915.

A spreading tree with broadly winged petioles. Flowers white, fruits large ripening pale yellow, acid. Cultivated in gardens of lower altitude. The PUMMELO, SHADDOCK or PAMBALIMAS.

Locality : Kateri and Burliar.  
SMPCU No. 1190, Dawre (4.3.1986).  
Fruiting.  
SMPCU No. 2970 Suresh Baburaj (20.6.1989).  
Fruiting.

**Citrus paradisi** Macf. Fl. Jamaic. 1 : 131. Anon., Wealth of India 2 : 192. 1950.

A tree with winged petiole. Fruits juicy and sour. Introduced and experimentally cultivated in gardens of lower elevations. The GRAPE FRUIT.

Locality : Burliar.  
SMPCU No. 1201, Dawre (4.3.1986).  
Fruiting.

**Citrus reticulata** Blanco, Fl. Filip. 610. 1837; Anon., Wealth of India 2 : 193. 1950; Matthew, Fl. Tamil Nadu Carnatic 3 : 203. 1983. **C. chrysocarpa** Lush. In Indian Forester 36 : 343. 1910.

A tree with almost wingless petioles and globose, greenish – yellow fruits. Cultivated in many places. The MANDARIN ORANGE, KAMALA ORGANGE.

Locality : Sakkalhatti.

SMPCU No. 1053, Dawre (2.12.1985).

Fruiting.

**Ruta chalepensis** Linn. Mant. Pl. 1 : 69. 1767; Anon., Wealth of India 9 : 94. 1972; Nair & Henry, Fl. Tamil Nadu 1 : 62. 1983. **R. graveolens** Linn. var. **angustifolia** sensu Hook. F. Fl. Brit. India 1 : 485. 1875.

An erect, perennial, aromatic shrub, cultivated commonly as a medicinal plant. The HERB OF GRACE.

Locality : Ooty.

SMPCU No. 375, Dawre (27.9.1984).

Flowering.

## **AQUIFOLIACEAE**

**Ilex cornuta** Lindl. & Paxt. Flow. Gard. 1: 43. 1850 – 51.

A spreading bushy shrub with spiny, lobed leaves and red fruits. Cultivated rarely. The COMMON GARDEN HOLLY.

Locality : Ooty

SMPCU No. 2006, Rajan (30.7.1987).

Fruiting

## **RHAMNACEAE**

**Colletia ferox** Gill. & Hook. In Bot. Misc. 1 : 154. 1830; Nair & Henry, Fl. Tamil Nadu 1: 76. 1983.

An erect succulent with cladodes ending in rigid spines. Flowers white, fruits 3 – lobed. Rarely cultivated in gardens. The ANCHOR PLANT.

Locality : Ooty

SMPCU No. 2041, Rajan (21.9.1987).

Flowering & Fruiting.

## **HIPPOCASTANACEAE**

**Aesculus indica** (Camb.). Hook. In Bot. Mag. 85 : t. 5117. 1859; Hook. F. Fl. Brit. India 1; 675. 1875; Mathew in Rec. Bot. Surv. India 20 (1) : 65. 1969.

A deciduous tree with palmately digitate leaves. Flowers white. Rarely planted in gardens. The INDIAN HORSE CHESTNUT.

Locality : Ooty  
SMPCU No. 2189, Rajan (23.2.1988).  
Flowering.

#### **PAPILIONACEAE** (Fabaceae)

**Psoralea pinnata** Linn. Sp. Pl. 762. 1753; Gamble, Fl. Pres. Madras 314. 1918.

Shrub with compound leaves. Flowers white; fruits immature green, cultivated. Rare. The SCURFY PEA.

Locality : Ooty  
SMPCU No. 2038, Rajan (21.9.1987).  
Flowering & Fruiting.

**Sesbania sesban** (Linn.) Merr. In Philipp. J. Sci. 7 : 235. 1912. **Aeschynomane sesban** Linn. Sp. 714. 1753. **Sesbania aegyptiaca** (Poir.) Pers. Syn. 2 : 216. 1807; Baker in Hook. F. Fl. Brit. India 2: 114. 1876; Gamble, Fl. Pres. Madras 323. 1918. **Sesban aegyptiacus** Poir, in Lam. Encycl. 7: 128. 1806.

A shrub with yellow flowers and cylindrical fruits. Cultivated as a shade tree but at times run wild.

Locality : Kunjapanai.  
SMPCU No. 2390, Dawre (26.8.1988).  
Flowering & Fruiting.

**Trigoneal foenum – graecum** Linn. Sp. Pl. 777. 1753; Baker in Hook. F. Fl. Brit. India 2 : 87. 1876; Gamble, Fl. Pres. Madras 303. 1918; Nair & Henry, Fl. Tamil Nadu 1 : 124. 1983.

An erect, aromatic annual with trifoliolate leaves, white flowers and elongate pods. Widely cultivated for its seeds used as a condiment. The FENUGREEK.

Locality : Manjoor & Ooty.  
SMPCU No. 1799, Dawre (26.2.1987).  
Flowering & Fruiting.

SMPCU No. 3211, Nain (29.11.1989).  
Flowering & Fruiting.

#### **COMBRETACEAE**

**Quisqualis indica** Linn. Sp. Pl. ed. 2. 556. 1762; Clarke in Hook.f. Fl. Brit. India 2: 459. 1878; Gamble, Fl. Pres. Madras 169. 1919.

A large, climber, grown for its showy, pinkish-red flowers at owner elevations.

Locality : Burliar.

SMPCU No. 1209, Dawre (04.03.1986).

Flowering.

## MYRTACEAE

**Callistemon citrinus** (Curtis) Stapf. In Bot. Mag. T. 9050. 1925; Matthew in Rec. Bot. Surv. India 20 (1): 104. 1969; Samraj in Bull. Bot. Surv. India 23 (3 & 4): 246. 1981; Nair & Henry, Fl. Tamil Nadu 1: 151. 1983. **Metrosideros citrine** Curtis, Bot. Mag. T. 260. 1794.

A medium sized tree with dropping branches and showy, pinkish – red filaments. Planted in gardens. The BOTTLE-BRUSH.

Locality : Thaishola & Ooty.

SMPCU No. 1798, Dawre (26.2. 1987).

Flowering

SMPCU No. 3226, Suresh Baburaj (29.11.1989).

Flowering & Fruiting.

**Eucalyptus citriodora** Hook. in Mitch. Exped. Trop. Austral. 235. 1848; Fyson, Fl. South Indian Hill Stat. 1: 217. 1932; Nair & Henry, Fl. Tamil Nadu 1: 151. 1983.

A tall tree with pendulous branches and lemon scented leaves. Planted in gardens. The LEMON SCENTED SPOTTED GUM.

Locality : Ooty

SMPCU No. 2334, Rajan (14.7.1988).

Flowering.

**Eucalyptus ficifolia** F. V. Muell. Fragm. Phyt. Austr. 2 : 85. 1860 & 6 : 25. 1867; Fyson, Fl. South India Hill. Stat. 1 : 217. 1932; Nair & Henry, Fl. Tamil Nadu 1: 151. 1983.

A small tree with bright red flowers and large, smooth, ovate-oblong, truncate pyxidia. Planted in gardens and along roadsides. The RED FLOWERED GUM.

Locality: Ooty.

SMPCU No. 2085, Dawre (25.11.1987)

Flowering & Fruiting.

**Eucalyptus globules** Labill. Voy. 1 : 153. t. 13. 1800; Gamble, Fl. Pres. Madras 486. 1919; Samraj in Bull. Bot. Surv. India 23 (3 & 4); 243 & 244. 1981; Nair & Henry, Fl. Tamil Nadu 1: 151. 1983.

A lofty tree planted widely for the oil extracted from leaves. The BLUE GUM.

Locality : Ooty.  
SMPCU No. 396, Dawre 913.11.1984).  
Flowering

**Myrtus communis** Linn Sp. Pl. 471. 1753; Duthie in Hook. f. Fl. Brit India 2: 462. 1878; Nair & Henry, Fl. Tamil Nadu 1: 154. 1983.

An evergreen, branched shrub with fragrant, white flowers. Planted in gardens. The MYRTLE.

Locality : Ooty.  
SMPCU No. 1366, Rajan (21.4.1986).  
Flowering.

## **PUNICACEAE**

**Punica granatum** Linn. Sp. Pl. 472. 1753; Clarke in Hook. f. Fl. Brit. India 2: 581. 1879; Nair & Henry, Fl. Tamil Nadu 1: 167. 1983.

A shrub with flaming – red flowers. Red fruits ripening yellow. Planted widely in lower elevations for its fruits. The POMEGRANTATE.

Locality : Aruvankadu.  
SMPCU No. 348, Dawre (04.09.1984).  
Flowering & Fruiting.

## **CARICACEAE**

**Carica cundinamarcensis** Lindent, Cat. N. 87. 1871; Matthew in Rec. Bot. Surv. India 20 (1): 126. 1969; Nair & Henry, Fl. Tamil Nadu 1: 170. 1983. **C. cundamarcensis** Hook. f. Bot. Mag. T. 6198. 1875; Anon., Wealth of India 2: 77. 1950.

An unbranched tree, introduced in the hills, occasionally planted. The MOUNTAIN PAPAWE.

Locality : Ooty  
SMPCU No. 687, Rajan (23.5.1985).  
Flowering.

## **UMBELLIFERAE (Apiaceae)**

**Ammi majus** Linn. Sp. Pl. 243. 1753; Umrao Sing et al. Dict. Econ. Pl. India 14. 1983 (Repr. Ed.); Santapau & Henry, Dict. Fl. Pl. India 10. 1983 (Repr. Ed.).

An erect herb with white flowers, cultivated in gardens.

Locality : Ooty  
SMPCU No. 379, Dawre (27.9.1984).  
Flowering.

SMPCU No. 2942 Suresh Baburaj (27.5.1989).  
Flowering.

**Apium graveolens** Linn. Sp. Pl. 264. 1753; Clarke in Hook. f. Fl. Brit. India 2: 679. 1879; Gamble, Fl. Pres. Madras 566. 1919.

An erect herb with dissected leaves, white flowers and laterally compressed fruits. Cultivated occasionally. The CELERY.

Locality : Kavaratti.  
SMPCU No. 1068, Dawre (25.1.1986).  
Flowering.

SMPCU No. 2292, Dawre (04.06.1988).  
Flowering & Fruiting.

**Foeniculum vulgare** Mill. Gard. Dict. Ed. 8. 1768; Carke in Hook. f. Fl. Brit. India 2: 695. 1879; Gamble, Fl. Pres. Madras 566. 1919; Anon., Wealth of India 4: 52. 1956; Nair & Henry, Fl. Tamil Nadu 1: 179. 1983.

A tall herb with dissected leaves with yellow flowers. Cultivated for its fruits. The FENNEL.

Locality : Ooty  
SMPCU No. 2242, Rajan (30.4.1988).  
Flowering & Fruiting

SMPCU No. 3227, Suresh Baburaj (29.11.1989).  
Fruiting.

**Petroselinum crispum** (Mill.) Nyman ex auct. Non. In Hand-list Herb. Pl. Kew. Ex. 3. 122. 1925; Nair & Henry, Fl. Tamil Nadu 1: 180. 1983. **Apium crispum** Mill. Gard. Dict. Ed. 8. n.2.1768. **Carum petroselinum** (Linn.) Benth. & Hook. f. Gen. Pl. 1 : 891. 1867; Gamble, Fl. Pres. Madras 1: 559. 1919. **Apium petroselinum** Linn. Sp. Pl. 264. 1753.

An erect, aromatic herb with furrowed stem and pale yellowish green flowers. Cultivated occasionally. The PARSLEY.

Locality : Kavaratti.  
SMPCU No. 1067, Dawre (25.1.1986).  
Flowering & Fruiting.

### **ARALIACEAE**

**Hedera helix** Linn. Sp. Pl. 202. 1753; Matthew in Rec. Bot. Surv. India 20 (1): 127. 1969; Nair & Henry, Fl. Tamil Nadu 1: 182. 1983.

An extensive climber by means of adhesive roots. Flowers greenish, fruits maturing in dark colour. Cultivated in gardens. The ENGLISH IVY.

Locality : Ooty.  
SMPCU No. 735, Rajan (22.7.1985).  
Fruiting.

### **RUBIACEAE**

**Luculia pinceana** Hook. in Bot. Mag. T. 4132. 1845; Hook.f. Fl. Brit. India 3 : 37. 1880; Henry et al. Fl. Tamil Nadu 2 : 13. 1987.

A shrubby climber with reddish pink flowers. Occasionally cultivated.

Locality : Coonoor.  
SMPCU No. 1958, Suresh Baburaj (25.6.1987).  
Flowering

### **COMPOSITAE (Asteraceae)**

**Calendula officinalis** Linn. Sp. Pl. 921. 1753; Hook. f. Fl. Brit. India 3: 357. 1881; Henry et al. Fl. Tamil Nadu 2:35. 1987.

An erect annual with bright orange yellow heads, widely cultivated in gardens. The POT MARIGOLD.

Locality : Ooty.  
SMPCU No. 389, Dawre (27.9.1984).  
Flowering.  
SMPCU No. 3224, Suresh Baburaj (29.11.1989).  
Flowering.

**Cynara scolimus** Linn. Sp. Pl. 827. 1753; Anon., Wealth of India 2 : 419. 1950.

A perennial herb with greenish red heads. Occasionally cultivated. The GLOBE ARTICHOKE.

Locality : Ooty.

SMPCU No. 1538, Suresh Baburaj (29.9.1986).  
Flowering.

SMPCU No. 3286, Suresh Baburaj (29.11.1989).  
Flowering.

**Gerbera jamesonii** Bolus ex. Hook. f. in Bot. Mag.t. 7087, 1889; Henry **et al.**, Fl. Tamil Nadu 2: 40. 1987.

A scapigerous herb cultivated for its ornamental flowers. The TRANSVAAL or BARBERTON DAISY.

Locality : Ooty.  
SMPCU No. 2327, Dawre (24.6.1988).  
Flowering.

**Helianthus annuus** Linn. Sp. Pl. 904. 1753; Anon., Wealth of India 5 ; 18. 1959; Henry **et al.**, Fl. Tamil Nadu 2: 42. 1987.

A tall annual with bright yellow flowers. Cultivated purely as an ornamental in gardens. The COMMON SUN FLOWER.

Locality : Ooty and Emerald Village.  
SMPCU No. 695, Rajan (25.5.1985).  
Flowering.

SMPCU No. 1017, Dawre (18.10.1985).  
Flowering & Fruiting.

**Lactuca sativa** Linn. Sp. Pl. 795. 1753; Gamble, Fl. Pres. Madras 731. 1921; Henry **et al.**, Fl. Tamil Nadu 2 ; 43. 1987.

An erect, spreading leafy herb, with yellow flowers, cultivated. The LETTUCE

Locality : Kavaratti.  
SMPCU No. 1069, Dawre (25.1.1986).  
Flowering.

**Samtelina chamaecyparissus** Linn. Sp. Pl. 842. 1753; Matthew in Rec. Bot. Surv. India 20 (1): 136. 1969; Henry **et al.**, Fl. Tamil Nadu 2 ; 46. 1987.

An aromatic, branched, tufted under shrub with finely divided, silvery grey leaves and yellow heads. Cultivated as a border plant.

Locality : Ooty.  
SMPCU No. 2060, Suresh Baburaj (21.11.1987).

Flowering.

**Tagetes lucida** Cav. Ic. 3: 33. t. 264. 1796; Anon., Wealth of India 10: 112. 1976; Henry **et al.**, Fl. Tamil Nadu 2: 50. 1987.

An erect, aromatic herb with yellowish white ray florets, cultivated in gardens. The SWEET SCENTED MARIGOLD.

Locality : Ooty.

SMPCU No. 1551, Suresh Baburaj (15.10.1986).

Flowering.

**Tagetes patula** Linn. Sp. Pl. 887. 1753; Anon., Wealth of India 10: 111. 1976; Henry **et al.**, Fl. Tamil Nadu 2: 50. 1987.

An erect herb with dark red inner and yellow outer ray florets, commonly cultivated in gardens. The FRENCH MARI GOLD.

Locality : Manjoor.

SMPCU No. 1811, Dawre (26.2.1987).

Flowering.

## **ERICACEAE**

**Arbutus unedo** Linn. Sp. Pl. 395. 1753; Henry **et al.**, Fl. Tamil Nadu 2 : 58. 1987.

A tree with drooping panicles and green tinged white flowers. Cultivated in gardens.

Locality : Ooty.

SMPCU No. 1981, Rajan (20.7.1987).

Flowering.

## **PLUMBAGINACEAE**

**Statice sinuate** Linn. Sp. Pl. 276. 1753. **Limonium sinuatum** Mill. Gard. Dict. Ex. 8. n. 6. 1768.

An erect herb with winged stem and scarious pink bordered white or blue perianth flowers. Cultivated commonly in gardens.

Locality : Ooty.

SMPCU No. 2324, Dawre (24.6.1988).

Flowering.

## **OLEACEAE**

**Jasminum officinale** Linn. Sp. Pl. 7. 1753; Clarke in Hook. f. Fl. Brit. India 3; 603. 1882; Matthew in Rec. Bot. Surv. India 20 (1) : 151. 1969; Henry **et al.**, Fl. Tamil Nadu 2 : 72. 1987.

A climbing shrub, flowers white, fragrant, occasionally cultivated. The COMMON JASMINE.

Locality : Ooty.

SMPCU No. 1056, Rajan (10.12.1985).

Flowering.

## APOCYNACEAE

**Nerium oleander** Linn. Sp. Pl. 209. 1753; Henry **et al.**, Fl. Tamil Nadu 2: 78, 1987. **N. indicum** Mill. Gard. Dict. Ed. 8. n.2. 1768; Matthew in Rec. Bot. Surv. India 20 (1) : 153. 1969. **N. Odorum** Soland. In Ait. Hort. Kew. Ed. 1. 1: 297. 1789; Hook. f. Fl. Brit. India 3 : 655. 1882; Gambe, Fl. Pres. Madras 821. 1923.

A large shrub with rose pink flowers. Cultivated in gardens.

Locality : Coonoor.

SMPCU No. 352, Dawre (19.10.1984).

Flowering.

## COBAEACEAE

**Cobaea scandens** Cav. Ic. 1 ; 15. tt. 16 & 17. 1791; Matthew in Rec. Bot. Surv. India 157. 1969; Umrao Singh **et. al.** Dict. Econ. Pl. India 54. 1983 (Repr. Ed.).

An extensive, perennial climber with tendrils. Flowers changing colour from pale green to dark violet. Cultivated in gardens.

Locality : Coonoor.

SMPCU No. 1959, Suresh Baburaj (25.6.1987).

Flowering.

## BORAGINACEAE

**Borago officinalis** Linn. Sp. Pl. 137. 1753; Anon., Wealth of India 1: 202. 1948; Santapau & Henry, Dict. Fl. Pl. India 25. 1983 (Repr. Ed.).

A coarse, hairy annual with blue flowers. Cultivated in gardens. The BORAGE.

Locality : Ooty.

SMPCU No. 2040, Rajan (21.9.1987).

Flowering.

SMPCU No. 2931, Suresh Baburaj (27.5. 1989).

Flowering

**Heliotropium peruvianum** Linn. Sp. Pl. ed. 2. 1: 187. 1762; Gamble, Fl. Pres. Madras 897. 1923; Henry **et al.**, Fl. Tamil Nadu 2: 100. 1987.

An erect, aromatic herb with pale pink flowers. Planted along borders in garden. The COMMON HELIOTROPE or CHERRY PIE.

Locality : Ooty.

SMPCU No. 1543, Rajan (13.7.1986).

Flowering.

## **SOLANACEAE**

**Petunia Violacea** Lindl. Bot. Reg. t. 1626. 33; Debin J. Econ. Tax. Bot. 1 : 41. 1980.

An erect herb. Flowers violet, cultivated in gardens. The VIOLET PETUNIA .

Locality : Ooty.

SMPCU No. 2301 – A, Dawre (24.6.1988).

Flowering.

**Streptosolon jamesonii** (Benth). Miers in ann. Mag. Nat. Hist. Ser. 2. 5 : 208. 1850; Matthew in Rec. Bot. Surv. India 20 (1): 159. 1969; Deb in J. Econ. Tax. Bot. 1 : 52. 1980; Henry **et al.**, Fl. Tamil Nadu 2: 118. 1987.

An dense shrub with orange flowers. Planted in gardens. The BURNING BUSH.

Locality : Ooty.

SMPCU No. 2054, Dawre (14.10.1987).

Flowering.

**Solanum laciniatum** Ait. Hort. Kew. Ed. 1. 1: 247. 1789.

A shrub with dark blackish brown stem. Flowers light violet – blue, fruits ovate, yellow. Introduced and cultivated rarely as a source of alkaloids.

Locality : Ooty.

SMPCU No. 386, Dawre (27.9.1984).

Flowering & Fruiting.

## **ACANTHACEAE**

**Acanthus mollis** Linn. Sp. Pl. 639. 1753; Henry **et al.**, Fl. Tamil Nadu 2 : 138. 1987.

An evergreen, glabrous, perennial herb with basal leaves and pale pink, scarious petalled flowered in a long scape.

Locality : Ooty.

SMPCU No. 1089, Suresh Baburaj (3.2.1986).

Flowering.

## VERBENACEAE

**Aloysia triphylla** (L' Herit.) Britton, Sci. Surv. Puerto Rico & Virgin Isles 6: 140. 1925; Matthew in Rec. Bot. Surv. India 20 (1): 181. 1969; Henry **et al.**, Fl. Tamil Nadu 2: 163. 1987. **Verbena triphylla** L' Herit. Strip. Nov. 21, 22. t. 11. 1784. **Lippa citriodora** H. B. K. Nov. Gen. & Sp. 2: 269. 1818; Gamble, Fl. Pres. Madras 1089. 1924. **Zapania citriodora** Lam. Tabl. Encycl. 1 : 59. 1791.

A glabrous, woody shrub, leaves lemon-scented, whorled, with purplish white flowers. Cultivated occasionally. The LEMON SCENTED VERBENA. THREE LEAVED VERVAIN.

Locality : Ooty.

SMPCU No. 1908, Suresh Baburaj (9.4.1987).

Flowering.

SMPCU No. 2243, Rajan (30.4.1988).

Flowering.

## LABIATAE (Lamiaceae)

**Majorana hortensis** Moench, Suppl. Meth. Pl. 406. 1794; Anon., Wealth of India 6: 226. 1962; Henry **et al.**, Fl. Tamil Nadu 2 : 179. 1987. **Origanum majorana** Linn. Sp. P. 590. 1753; Matthew, Fl. Tamil Nadu Carnatic 3: 1271. 1983.

An erect aromatic herb with white flowers. Scarcely cultivated in gardens. The SWEET MARJORAM.

Locality : Ooty

SMPCU No. 1063, Dawre (1.1.1986).

Flowering.

**Mentha arvensis** Linn. Sp. Pl. 577. 1753; Hook. f. Fl. Brit. India 4: 648. 1885; Annon., Wealth of India 6: 338. 1962; Henry **et al.**, Fl. Tamil Nadu 2: 179. 1987.

An erect, aromatic, hairy herb with pink flowers. Cultivated in many home gardens as a condiment. The FIELD MINT, CORN MINT.

Locality : Ooty.

SMPCU No. 382, Dawre (27.09.1984).

**Mertha piperita** Linn. Sp. Pl. 576. 1753; Hook. f. Fl. Brit. India 4: 647. 1885; Anon., Wealth of India 6: 342. 1962; Umrao Singh **et al.**, Dict. Econ. Pl. India 139. 1983 (Repr. Ed.).

A prostrate herb with aromatic leaves. Cultivated occasionally. The PEPPERMINT.

Locality : Ooty.

SMPCU No. 384, Dawre (27.09.1984).

**Rosmarinus officinalis** Linn. Sp. Pl. 23. 1753; Matthew in Rec. Bot. Surv. India 20 (1): 186. 1969; Anon., Wealth of India 9: 78. 1972; Henry **et al.**, Fl. Tamil Nadu 2: 185. 1987.

A woody herb cultivated for oil extracted from leaves. The ROSE MARY.

Locality : Ooty.

SMPCU No. 372, Dawre (27.09.1984).

Flowering.

SMPCU No. 3249, Suresh Baburaj (05.12.1989).

Flowering.

**Salvia officinalis** Linn. Sp. Pl. 23. 1753; Gamble, Fl. Pres. Madras 1156. 1924; Anon., Wealth of India 9: 196. 1972; Henry **et al.**, Fl. Tamil Nadu 2: 186. 1987.

An undershrub with violet flowers. Cultivated in gardens. The RED SAGE.

Locality : Ooty.

SMPCU No. 1054, Rajan (09.12.1985).

Flowering.

SMPCU No. 1064, Dawre (06.01.1986).

Flowering.

**Salvia sclarea** Linn. Sp. Pl. 27. 1753.

An erect herb with pinkish white flowers, introduced and cultivated as a medicinal plant. The CLARY SAGE.

Locality : Ooty

SMPCU No. 383, Dawre (27.09.1984).

Flowering.

## **PROTEACEAE**

**Banksia marginata** Cav. In Anales Hist. Nat. 1 : 227. t. 13. 1799; Matthew in Rec. Bot. Surv. India 20 (1) : 192. 1969; Henry **et al.**, Fl. Tamil Nadu 2 : 213. 1987.

A tree with oblong leaves, dull green on upper side, white tomentose on lower side, closely packed cylindrical spikes. Occasionally planted.

Locality : Ooty  
SMPCU No. 2045, Rajan (12.10.1987).  
Flowering.

**Grevillea hilliana** F. v. Muell. In Trans & Proc. Philos. Inst. Victoria 2; 72. 1858; Henry **et al.**, Fl. Tamil Nadu 2 : 213. 1987.

A branching tree with bluish flowers and dark brown single seeded fruits. Occasionally planted.

Locality : Ooty  
SMPCU No. 2190, Rajan (23.2.1988).  
Flowering & Fruiting.

## CANNABACEAE

**Cannabis sativa** Linn. Sp. Pl. 1027. 1753; Hook.f. Fl. Brit. India 5 : 487. 1828; Fischer in Gamble, Fl. Pres. Madras 1350. 1928; Henry **et al.**, Fl. Tamil Nadu 2: 250. 1987.

A large aromatic herb with flowers in axils. Rarely cultivated. The HEMP PLANT.

Locality : Ooty  
SMPCU No. 1018, Rajan (19.10. 1985).  
Flowering.

## JUGLANDACEAE

**Juglans regia** Linn. Sp. Pl. 997. 1753; Hook. f. Fl. Brit. India 5: 595. 1888; Gamble, Man. Ind. Timb (ed. 2). 662. 1902; Mathew in Rec. Bot. Surv. India 20 (1) : 201. 1969.

A deciduous monoecious trees cultivated occasionally. The ENGLISH or COMMON WALNUT.

Locality : Ooty  
SMPCU No. 2005, Dawre (14.10.1987).  
Fruiting.  
SMPCU No. 2196, Dawre (3.3.1988)  
Flowering

## FAGACEAE

**Fagus sylvatica** Linn. Sp. Pl. 998. 1753; Gamble, Man. Ind. Timb. (ed. 2). 667. 1902; Matthew in Rec. Bot. Surv. India 20 (1) : 204. 1969; Henry **et al.**, Fl. Tamil Nadu 2: 258. 1987.

A deciduous lofty tree with slender pendulous spikes and ovoid

## **IRIDACEAE**

**Iris germanica** Linn. Sp. Pl. 38. 1753; Acen., Wealth of India 5: 254. 1959; Umrao Singh **et al.**, Dict. Econ. Pl. India 109. 1983 (Repr. Ed.)

An erect rhizomatous herb with violet flowers, occasionally cultivated. The GERMAN IRIS or ORRIS.

Locality : Ooty.

SMPCU No. 2204, Rajan (16.3.1988).

Flowering.

## **LILIACEAE**

**Kniphofia uvaria** (Linn.) Hook. In Bot. Mag. 80: t. 4816. 1854; Matthew in Rec. Bot. Surv. India 20 (1): 209. 1969. **Aloe uvaria** Linn. Sp. Pl. 323. 1753. **Kniphofia aloides** Moench, Meth. 631. 1794.

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