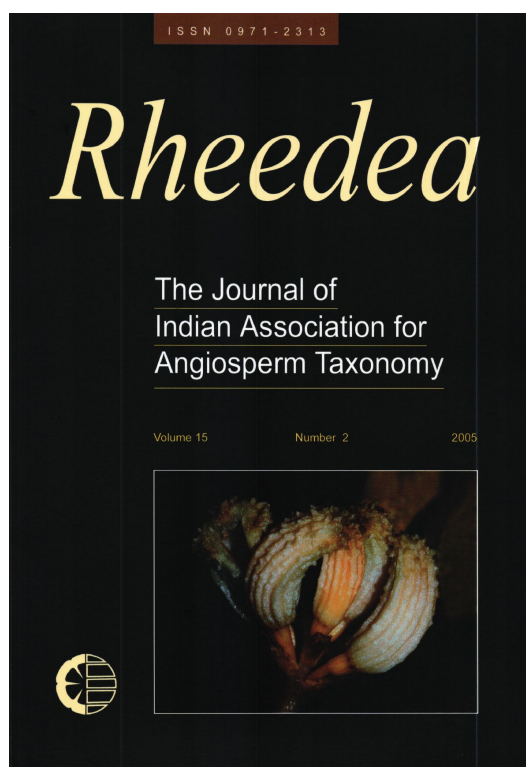




New Plant Records for Goa and Karnataka

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Abstract

Molem National Park in Goa state and Rajiv Gandhi National Park in Karnataka state were floristically explored. Seventeen species collected from Molem National Park and eighteen species collected from Rajiv Gandhi National Park are new records for Goa and Karnataka respectively. They are reported.

Keywords: Molem National Park (Goa), Rajiv Gandhi National Park (Karnataka), New State records

Introduction

Molem National Park occupies an area of c. 107 sq. km and forms the core area of Bhagwan Mahaveer Wildlife Sanctuary in Goa.

Many have surveyed flowering plants of Goa (Dalgado, 1898; Cooke, 1901-1908; Vartak, 1966; Mahajan & Pangu, 1978; Rao, 1985-86; Kulkarni & Janarthanam, 1995; Joshi *et al.*, 1997; Naithani *et al.*, 1997; Patil & Yadav, 1998; Rajkumar *et al.*, 1998) and presently the state harbours 1376 species (Biodiversity Strategy & Action Plan, Goa State, 2000). Seventeen species reported here are additions to this account.

Rajiv Gandhi National Park spreads over an area of 643.39 sq. km and is part of Nilgiri Biosphere Reserve.

Sharma *et al.* (1984) reported 3,924 taxa including 144 infraspecific taxa from Karnataka. Many species have been added by subsequent workers (Saldanha, 1984, 1996; Sharma *et al.*, 1988; Singh, 1988; Keshava Murthy & Yoganarasimhan, 1990; Ramesh & Pascal, 1994; Seetharam *et al.*, 2000; Ramaswamy *et al.*, 2001; Prasad & Singh, 2002; Udayan *et al.*, 2004). Eighteen species presently recorded from Rajiv Gandhi National Park are additions to this account. All the specimens are deposited at BSI. Distribution of these species in India are provided.

Molem National Park, Goa.

Agrostistachys indica Dalzell (EUPHORBIACEAE)

Flowering & Fruiting: February-March.

Karnataka, Kerala, Maharashtra, Tamil Nadu.

Paikachi Rai, 4.2.2003, *Datar* 187527.

Calophyllum polyanthum Wallich *ex* Choisy (CLUSIACEAE)

Flowering & Fruiting: January-July.

Assam, Karnataka, Kerala, Meghalaya, Sikkim, Tamil Nadu, West Bengal.

Paikachi Rai, 4.2.2003, *Datar* 187532

Cottonia peduncularis (Lindl.) Rchb. f. (ORCHIDACEAE)

Flowering & Fruiting: April-May.

Karnataka, Kerala, Maharashtra, Orissa, Tamil Nadu.

Nandran, 1.2.2003, *Datar* 186982.

Erigeron sublyratus DC. (ASTERACEAE)

Flowering & Fruiting: April-June.

Andhra Pradesh, Assam, Bihar, Karnataka, Kerala, Nagaland, Orissa, Punjab, Sikkim, Tamil Nadu, Uttar Pradesh, West Bengal.

Karanzol Railway Station, 19.5.2002, *Datar* 186327.

Evolvulus nummularius (L.) L. (CONVOLVULACEAE)

Flowering & Fruiting: November-December.

Andhra Pradesh, Bihar, Gujarat, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Rajasthan, Tamil Nadu, Uttar Pradesh.

Vasant Bandhara, 30.11.2001, *Datar* 179215.

Hedyotis trinervia (Retz.) Roem. & Schult. (RUBIACEAE)

Flowering & Fruiting: April-May.

Karnataka, Kerala, Maharashtra, Orissa, Pondicherry, Tamil Nadu.

Dudhsagar river bed, 21.5.2002, *Datar* 186345.

Hygrophila ringens (L.) Steudel (ACANTHACEAE)

Flowering & Fruiting: November-February.

Andaman & Nicobar Islands, Andhra Pradesh, Bihar, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Tamil Nadu, Uttar Pradesh.

Shelim, Dongurli, 11.2.2003, *Datar* 187557.

Memecylon terminale Dalzell (MELASTOMATACEAE)

Flowering & Fruiting: October-December.

Endemic to Southern Western Ghats. Karnataka, Kerala, Maharashtra.

Paikachi Rai, 9.12.2001, *Datar* 179285.

Pajanelia longifolia (Willd.) K. Schum. (BIGNONIACEAE)

Flowering & Fruiting: January-February.

Karnataka, Kerala, Maharashtra, North East India.

Kalaye village, 11.2.2003, *Datar* 186720.

Phaulopsis imbricata (Forssk.) Sweet (ACANTHACEAE)

Flowering & Fruiting: February-March.

Andhra Pradesh, Bihar, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Tamil Nadu.

Dongurli, 11.2.2003, *Datar* 187566.

Schumannianthus virgatus (Roxb.) Rolfe (MARANTACEAE)

Flowering & Fruiting: November-January.

Andaman & Nicobar Islands, Karnataka, Kerala, Maharashtra, Tamil Nadu.

Dongurli, 6.12.2002, *Datar* 179270.

Scilla hyacinthina (Roth) J. F. Macbr. (HYACINTHACEAE)

Flowering & Fruiting: June-July.

Andhra Pradesh, Bihar, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Tamil Nadu, Uttar Pradesh
Colem, 19.6.2003, *Datar* 187948.

Strobilanthes ciliatus Nees (ACANTHACEAE)

Flowering & Fruiting: September-December.

Endemic to Western Ghats. Karnataka, Kerala, Maharashtra, Tamil Nadu.

Oxel, 5.12.2001, *Datar* 179264.

Syzygium laetum (Buch.-Ham.) Gandhi (MYRTACEAE)

Flowering & Fruiting: November-December.

Endemic to the Western Ghats. Karnataka, Kerala, Maharashtra.

Paikachi Rai, 9.12.2001, *Datar* 179287.

Tolypanthus lagenifer (Wight) Tiegh. (LORANTHACEAE)

Flowering & Fruiting: May-June.

Endemic to Western Ghats. Karnataka, Kerala, Maharashtra.
Karanzol river, 20.5.2002, *Datar* 186340.

Viscum monoicum Roxb. ex DC. (VISCACEAE)

Flowering & Fruiting: May-June.

Andhra Pradesh, Bihar, Karnataka, Madhya Pradesh, Maharashtra, Tamil Nadu.

Atli, Sunset Point, 16.5.2002, *Datar* 186282.

Zanonia indica L. (CUCURBITACEAE)

Flowering & Fruiting: October-January.

Andaman & Nicobar Islands, Kerala, North East India, Sikkim, Tamil Nadu, West Bengal.

Dongurli, 15.9.2001, *Datar* 179062.

Rajiv Gandhi National Park, Karnataka.

Antistrophe serratifolia (Bedd.) Hook. f. (MYRSINACEAE)

Flowering & Fruiting: December-March.

Endemic to the Southern Western Ghats. Kerala, Tamil Nadu.

Bhune Kolli, 16.2.2004, *Manikandan* 189779A.

Arundinella mesophylla Nees ex Steud. (POACEAE)

Flowering & Fruiting: October-December.

Endemic to the Peninsular India. Kerala, Tamil Nadu.
Karmad near Kalhalla, 31.10.2001, *Manikandan* 178749.

Biophytum nervifolium Thwaites (OXALIDACEAE)

Flowering & Fruiting: December-March.

Andhra Pradesh, Kerala, Tamil Nadu.

Veeranahosali, 30.10.2003, *Manikandan* 189004A.

Biophytum nudum Edgew. & Hook. f. (OXALIDACEAE)

Flowering & Fruiting: September-December.

Madhya Pradesh, Tamil Nadu.

Nagarahole, 13.9.2000, *Manikandan* 181269.

Cucurbita moschata (Duchesne ex Lam.) Duchesne ex Poir (CUCURBITACEAE)

Flowering & Fruiting: January-April.

Bihar, Maharashtra, Tamil Nadu, Uttar Pradesh.

Mettukupe near Taraka dam side, 20.3.2003, *Manikandan* 183726.

Cuscuta chinensis Lam. (CUSCUTACEAE)

Flowering & Fruiting: November-March.

Andhra Pradesh, Gujarat, Kerala, Madhya Pradesh, Maharashtra, Tamil Nadu.

Mettukupe near Taraka dam, 21.3.2003, *Manikandan* 183736.

Elatine triandra Schkuhr (ELATINACEAE)

Flowering & Fruiting: August-November.

Andhra Pradesh, Himachal Pradesh, Jammu & Kashmir, Kerala, Tamil Nadu.

Nagarahole, 11.9.2003, *Manikandan* 188162.

Ipomoea sindica Stapf (CONVOLVULACEAE)

Flowering & Fruiting: April-July.

Madhya Pradesh, Maharashtra, subtropical Himalayas, Uttar Pradesh.

Nagarahole, 30.7.2001, *Manikandan* 178584A.

Leptochloa panicea (Retz.) Ohwi (POACEAE)

Flowering & Fruiting: November-January.

Andhra Pradesh, Madhya Pradesh, Tamil Nadu, Uttar Pradesh.

Veeranahosali, 23.1.2000, *Manikandan* 181166.

Manisuris myuros L. (POACEAE)

Flowering & Fruiting: July-October.

Endemic to Peninsular India. Andhra Pradesh, Tamil Nadu.
Nagarahole, 29.7.2001, *Manikandan* 178562.

Physalis lanceolata Michaux (SOLANACEAE)

Flowering & Fruiting: October-February.

Andhra Pradesh, Maharashtra.

Lokuntha, 6.11.2003, *Manikandan* 189856.

Polygala abyssinica R. Br. ex Fresen. (POLYGALACEAE)

Flowering & Fruiting: July-November.

Himachal Pradesh, Jammu & Kashmir, Madhya Pradesh, Punjab, Rajasthan, Uttar Pradesh.

Veeranahosali, Mettukupe, 1.11.2001, *Manikandan* 178774 & 20.6.2003, *Manikandan* 176354.

Scutia myrtina (Burm. f.) Merr. var. **emarginata** Bhandari & Bhansali (RHAMNACEAE)

Flowering & Fruiting: November-March.

Endemic to the Peninsular India. Andhra Pradesh, Maharashtra, Tamil Nadu.

Nagarahole, 23.3.2003, *Manikandan* 183757.

Setaria barbata (Lam.) Kunth (POACEAE)

Flowering & Fruiting: December-April.

Andaman & Nicobar Islands, Bihar, Kerala, Madhya Pradesh, North East India, subtropical Himalayas, Tamil Nadu.

Nagarahole, 20.4.2001, *Manikandan* 181715.

Syzygium tamilnadensis Rathakr. & Chithra (MYRTACEAE)
Flowering & Fruiting: February-June.

Endemic to the Western Ghats. Kerala, Maharashtra, Tamil Nadu.

Lokuntha, Meenkate Kolli, 16.2.2003, *Manikandan* 189847.

Taeniophyllum alwisii Lindl. (ORCHIDACEAE)

Flowering & Fruiting: December-March.

Endemic to the Southern Western Ghats. Kerala, Tamil Nadu.

Kymara, 28.9.2003, *Manikandan* 183786A.

Toxocarpus palghatensis Gamble (APOCYNACEAE)

Flowering & Fruiting: May-August.

Bhunekolli, 16.2.2003, *Manikandan* 189846.

Critically Endangered.

Typhonium bulbiferum Dalzell (ARACEAE)

Flowering & Fruiting: October-December.

Endemic to the Western Ghats. Kerala, Maharashtra.

Masalabetta near D.B. Kupe, 9.9.2003, *Manikandan* 188138.

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