

THE FLORA OF SAKARPATHAR AND AMBAVANE REGION OF POONA DISTRICT—III

B. VENKATAREDDI

Banaras Hindu University, Varanasi*

ABSTRACT

This paper presents a list of 330 taxa of plants belonging to Monochlamydeae, Monocotyledons, Gymnosperms and Pteridophytes collected from the above region.

NYCTAGINACEAE

Boerhavia diffusa Linn.

Rare in waste place. Flowers and fruits: June-July. Valwan, 97909.

AMARANTHACEAE

Achyranthes aspera Linn. var. **porphyristachya** Hook. f.

Occasional. Flowers: Nov.-Apr. Korai fort, 93279; Masgaon, 97641.

Aerva sanguinolenta (Linn.) Blume

Common in forest clearing. Flowers: Nov.-Apr. Korai fort, 93303; Pet, 95758; Masgaon, 97642; Ambavane, *Gammie* 15972.

Alternanthera sessilis (Linn.) DC.

Common in moist place. Flowers: Nov.-Feb. Korai fort, 93319, 95842; INS Shivaji, *Rolla* 85207.

Amaranthus blitum Linn. var. **oleracea** Hook. f.

Rare. Flowers: May-June. Korai fort, 97880.

A. caudatus Linn.

Rare in cultivated field. Flowers: Jan.-Feb. Pet, 95782.

A. hybridus Linn. ssp. **cruentus** Thell. var. **paniculatus** Thell.

Occasional in harvested field. Flowers: Jan.-Mar. Pet, 95779; Ambavane, 96101.

A. polygamus Linn.

Rare in *Brassica* field. Flowers: Dec.-Feb. Pet, 95776.

A. viridis Linn.

Occasional in waste land. Flowers: All the year. Korai fort, 93331, 97876, 97879; Pet, 99227.

Celosia argentea Linn.

Frequent in moist spot. Flowers and fruits: Aug.-Apr. Pandongar, 93135; Ambavane, 96178; Sakarpathar, 98769; Korai fort, 99047.

CHENOPODIACEAE

Chenopodium album Linn.

Rare. Flowers: Jan.-Mar. Pet, 95786; 96060.

POLYGONACEAE

Polygonum barbatum Linn. var. **gracile** Steward

Rare in marshy area. Flowers: Sept.-Feb. Nandgaon, 95881; Valwan, 98728.

P. glabrum Willd.

Common in moist spot. Flowers: Nov.-May. Ambavane, 93195, 93380, *Gammie* 15979; Saltar Nala, 96125; Bushi, 97711; INS Shivaji, *Rolla* 85208.

P. plebeium R. Br.

Fairly common in moist place. Flowers: All the year. Sakarpathar, 68381; Pandongar, 93187; Korai fort, 93321; Ambavane, 93422, 95736, *Rolla* 87439; Pet, 96060A; Bushi, 97709, *Rolla* 77731.

PODOSTEMACEAE

***Dicraea stylosa** Wight

Common near Rajni on submerged rocks. Flowers: Aug.-Oct. Rajni, 99153A; Polarawada, 101036.

Griffithella hookeriana (Tul.) Warming.

Common near Rajni (99153) in association with *Dicraea stylosa* and *Podostemon subulatus*. Flowers: Aug.-Oct.

***Podostemon subulatus** Gardn.

Common near Rajni (99154) in rapid stream. Flowers: Aug.-Oct.

Terniola zeylanica Tul. var. **konkanica** (Willis) Sant.

Fairly common on submerged rocks along stream. Flowers: Aug.-Dec. Pandongar, 93171; Nandgaon, 93273; Rajni, 99155.

PIPERACEAE

Peperomia pellucida (Linn.) H. B. K.

Common near INS Shivaji (99005) on dam wall. Flowers: Aug.-Sept.

P. wightiana Miq.

Epiphytic on *Memecylon umbellatum*. Flowers: Oct.-Nov. Rajni, 101055.

*Present Address : University of Western Ontario, Canada.

Piper nigrum Linn.

Common in dense forest. Flowers: Apr.-Aug. Fruits: July-Mar. Tiskari, 95813, 99326; Ambavane, 95946; Jambulna, 97826, 99261.

P. trichostachyon (Miq.) C. DC.

Not seen by me. Fruits: May-June. Sakarpathar, *Gammie* 16333.

MYRISTICACEAE

Knema attenuata (Wall.) Warb.

Frequent in dense forest. Flowers: Mar.-Apr. Fruits: Mar.-May. Kate Pani, 96025, 96027; Sakarpathar, 97780.

LAURACEAE

Actinodaphne angustifolia Nees

Fairly common. Flowers: Nov.-Jan. Fruits: Jan.-May. Sakarpathar, 68328, 97717, *Rolla* 77721, 85247, *Talbot* 4811, *Gammie* 15189, 16254; Tiskari, 93500, 95812; Korafort, 93310; Ambavane, 95917, *Garade* s.n. on 20.12.1908.

Alseodaphne semecarpifolia Nees

Not seen by me. Bushi (Lonavla), *Gammie* 16240.

Beilschmiedia dalzellii (Meissn.) Kosterm.

Occasional in dense forest. Flowers: Nov.-Jan. Fruits: Jan.-May. Sakarpathar, 97786, 101170; Bushi, 101152.

Cinnamomum macrocarpum Hook. f.

Rare in Jambulna Forest (97831), in vegetative condition.

Litsea deccanensis Gamble

Frequent. Flowers: Aug.-Dec. Fruits: Dec.-Mar. Maluste, 93224; Ambavane, 93405, 95921; Bushi, 98669; Atvan, 100930; Nandgaon, 101125.

L. stocksii Hook. f.

Rare in Kate Pani Forest (96033). Fruits: Mar.-Apr.

Persea macrantha (Nees) Kosterm.

Occasional in dense forest. Flowers: July-Nov. Visakhar, 97871; Ghusalgaon, 99175, 99274.

THYMELEACEAE

Lastiosiphon eriocephalus Decne.

Fairly common. Flowers: Nov.-Jan. Fruits: Feb.-May. Sakarpathar, 68354, 97733, *Rolla* 77706, 85228, *Garade* s.n. on 11.1.1905; Pandongar, 93112; Ambavane, 95913, *Garade* s.n. on 20.12.1908; Kotri, 96076.

ELAEAGNACEAE

Elaeagnus conferta Roxb.

Fairly common. Flowers: Nov.-Jan. Fruits: Jan.-Apr. Pandongar, 93120; Ambavane, 95916; Kotri, 96077; Sakarpathar, *Rolla* 77716, 85236, *Gammie* 15925.

LORANTHACEAE

Dendrophthoe falcata (Linn. f.) Etting.

Common on *Terminalia crenulata*, *Mangifera indica*, *Cordia dichotoma*, *Kydia calycina*, *Butea monosperma* and *Grewia tiliaefolia* var. *argentea*. Flowers: Oct.-Mar. Fruits: Mar.-Apr. Pandongar, 93177; Ambavane, 96126; Maluste, 101101.

D. trigona (Wt. & Arn.) Danser ex Sant.

Occasional on *Terminalia tomentosa*, *Ficus arnotiana* and *F. asperrima*. Flowers: Feb.-Mar. Fruits: Mar.-Apr. On way to Mangaon, 96184; Saltar, 97635; Ambavane, 97679.

Helicanthes elastica (Desr.) Danser

Common on *Memecylon umbellatum*, *Xantolis tomentosa* and *Syzygium cumini*. Flowers: Sept.-Nov. Fruits: Nov.-Apr. Maluste, 93218; Ambavane, 93406; *Rolla* 87428; Nandgaon, 97671; Bushi, 100918; Rajni, 101052; Sakarpathar, *Rolla* 85237.

Loranthus philippensis Cham. et Schlecht.

Occasional on *Butea monosperma*, *Embllica officinalis* and *Terminalia crenulata*. Flowers: Oct.-Feb. Fruits: Feb.-May. Kotri, 93379; Kate Pani, 101016.

Macrosolen capitellatus (Wt. & Arn.) Danser

Occasional on *Terminalia crenulata*, *T. chebula*, *Memecylon umbellatum* and *Mangifera indica*. Flowers: Mar.-June. Fruits: May-July. Ambavane, 100988; Pet, 96072; Nisthiga, 96191; Saltar Nala, 97887; Maluste, 97896; Sakarpathar, *Gammie* 15202.

Taxillus cuneatus (Roth) Danser

Occasional on *Meyna laxiflora*, *Olea dioica*, *Syzygium cumini*. Flowers: Jan.-May. Fruits: Mar.-June. Masgaon, 95981; Atvan, 97822; Nandgaon, 97899; Sakarpathar, *Rolla* 77718, *Gammie* 15193, 16330.

Tolypanthus lagenifer (Wight) van Tiegh

Occasional on *Memecylon umbellatum*, *Xantolis tomentosa*, and *Olea dioica*. Flowers: July-Sept. Fruits: Sept.-Nov. Saltar, 97699, 99068, Jambulna, 99286; Nandgaon, 99368.

Viscum angulatum Heyne ex DC.

Common on *Syzygium cumini*, *Memecylon umbellatum*, *Euphorbia nerifolia* and *Olea dioica*. Flowers: Nov.-May. Fruits: Dec.-May. Sakarpathar, 68388, *Rolla* 77717, *Gammie* 15200; Jambulna, 95878; Ambavane, 96050.

V. nepalense Spreng.

Rare on *Grewia tiliaefolia* var. *argentea*. Flowers: Aug.-Sept. Wagjoi, 99115.

SANTALACEAE

Osyris wightiana Wall. ex Wight

Fairly common. Flowers: Dec.-Feb. Fruits: Feb.-June. Pandongar, 93123; Nandgaon, 95863; Saltar, 97636; Sakarpathar, *Rolla* 69793, 85241; Ambavane *Rolla* 87421.

BALANOPHORACEAE

***Acroblastum (Balanophora) ambavanensis** Reddi

Common on roots of *Carvia callosa* and among bushes of *Carissa congesta*, only seen in Kate Pani Forest (99494). Flowers: Oct.-Nov.

EUPHORBIACEAE

Bridelia squamosa Gehrm.

Fairly common. Flowers: Mar.-July. Fruits: May-Mar. Pandongar, 93158; Ambavane, 95975, 96177; Tiskari, 96110; Sakarpathar, 97720, *Gammie* 16316.

Chrozophora prostrata Dalz.

Rare. Flowers and fruits: Feb.-May. INS Shivaji, 97701; Ambavane, *Reddi* s.n. on 28.3.1964.

Cleidion spiciflorum (Burm.) Merr.

Rare. Fruits: Feb.-May. Sakarpathar, 97779.

Croton reticulatus Heyne

Frequent in dense forest undergrowth. Flowers: July-May. Fruits: Jan.-May. Ambavane, 95948; Bushi, 97799, 101151; Kate Pani, 99335.

Dimorphocalyx lawianus (Muell.-Arg.) Hook. f.

Common in dense forest. Flowers: Aug.-Feb. Fruits: Feb.-Apr. Kate Pani, 95945, 96029; Wagjoi, 99129.

Drypetes venusta (Wight) Pax & Hoffm.

Rare. Fruits: Feb.-May. Sakarpathar, 97781.

Embilica officinalis Gaertn.

Common in deciduous forest. Flowers: Mar.-May. Fruits: May-Jan. Maluste, 93253; Pet, 93357, 96078; Sakarpathar, *Rolla* 85231; Ambavane, *Rolla* 87407.

Euphorbia bombaiensis Sant.

Common in moist place. Flowers and fruits: Feb.-May. Maluste, 97673; Bushi, 97708; Pandongar, 93190; Pet, 93347; Ambavane, 95737.

E. hirta Linn.

Frequent in waste place. Flowers and fruits: All the years. INS Shivaji, 97759; Bushi, 97943.

***E. khandalensis** Blatt. & Hallb.

Occasional on plateau. Ambavane, 99410; Ghusalgaon, *Reddi* s.n.

E. nerifolia Linn.

Fairly common. Flowers: Dec.-Jan. Fruits: Jan.-Apr. Nandgaon, 95770; Ambavane, 97693.

E. notoptera Boiss.

Rare. Flowers: Oct.-Nov. Maluste, 101110.

E. pycnostegia Boiss.

Occasional among grass. Flowers and fruits: Oct.-Dec. Ambavane, 99409; Sakarpathar, *Gammie* s.n. on 5.12.1902.

E. pycnostegia Boiss. var. **zornoides** (Boiss.) Sant.

Occasional among grass. Flowers and fruits: Aug.-Oct. Bushi, 98784; Wagjoi, 99127.

E. thymifolia Linn.

Common in moist area. Flowers and fruits: Feb.-June. INS Shivaji, 97696, 97743; Bushi, 97703; Visakhar, 97870.

Glochidion hohenackeri Bedd.

Fairly common. Flowers: Nov.-Apr. Fruits: All the year. Sakarpathar, 68368, *Rolla* 77725, 85225; Pandongar, 93161; Maluste, 93239, 95959; Saltar, 97614; Ambavane, *Rolla* 87408.

Homonoia riparia Lour.

Common in river bed. Flowers: Jan.-Apr. Fruits: Mar.-May. Kotri, 96066; Saltar Nala, 96122.

Kirganelia reticulata (Poir.) Baill.

Rare. Flowers and fruits: Sept.-Oct. Valwan, 99189.

Macaranga peltata (Roxb.) Muell.-Arg.

Common in dense forest. Flowers: Jan.-Apr. Fruits: Apr.-June. Tiskari, 95804; Jambulna, 95872; Sakarpathar, *Rolla* 77720, *Gammie* 15176, 16328.

Mallotus aureo-punctatus (Dalz.) Muell.-Arg.

Uncommon. Fruits: Apr.-May. Sakarpathar, 97782.

M. philippensis (Lamk.) Muell.-Arg.

Fairly common. Flowers: Nov.-Jan. Fruits: Dec.-Mar. Sakarpathar, 68363, *Rolla* 85250, *Gammie* 1594L; Korai fort, 93311; Ambavane, 93427, 95722, *Garade* s.n. on 20.12.1909; Bharpa, 95817; Pet, 95831; Kate Pani, 95971.

M. stenanthus Muell.-Arg.

Common in dense forest undergrowth. Flowers: Jan.-Aug. Fruits: July.-Sept. Ambavane, 95980; Kate Pani, 96016, 97847, 99337; Jambulna, 97827, 99262; Bushi, 97795, 98694.

Melanthesa retusa (Dennst.) Kostel.

Frequent. Flowers: May-July. Fruits: June-Aug. Visakhar, 97868; Bushi, 97946, 97947; Ambavane, 99226; Tiskari, 99323.

Pedilanthus tithymaloides (Linn.) Poir.

Hedge plant near Ambavane R.H. (95862).

Phyllanthus urinaria Linn.

Common among grass. Flowers and fruits: July-Nov. (-Mav). Kate Pani, 97852; INS Shivaji, 97995; Bushi, 98659; Wagjoi, 99125; Pet, 99359; Nandgaon, 99372; Maluste, 101115.

Putranjiva roxburghii Wall.

Not common. Flowers: Mar.-May. Fruits: May-Sept. Nisthiga, 96193; Wagjoi, 99105; Kate Pani, 100982.

Ricinus communis Linn.

Running wild near Korai fort and Tiskari. Flowers and fruits: Dec.-Feb. Korai fort, 93334; Bharpa, 95808; Sakarpathar, *Garade* s.n. on 4.2.1905.

Sapium insigne Benth. var. **malabaricum** (Wight) Hook. f.

Occasional. Flowers: Dec.-Feb. Fruits: Feb.-May. Korai fort, 93340; Saltar, 93466; INS Shivaji, 96152; Sakarpathar, 97789.

Securinega leucopyrus (Willd.) Muell.-Arg.

Not seen by me. Flowers: May-June. Sakarpathar, *Gammie* 15157.

S. virosa (Roxb. ex Willd.) Pax & Hoffm.

Common in deciduous forest. Flowers: Feb.-May. Fruits: May-Aug. Masgaon, 97638; INS Shivaji, 97737; Visakhar, 97869; Bushi, 97948, 97983; Ghusalgaon, 99266; Sakarpathar, *Rolla* 69785.

Tragia muelleriana var. **unicolor** (Muell.-Arg.) Pax & Hoffm.

Occasional among bushes. Flowers: Oct.-Apr. Fruits: Dec.-May. Sakarpathar, 68366; Pandongar, 93164; Bushi, 97805.

Trewia polycarpa Benth.

Rare. Ambavane, 68389.

ULMACEAE

Celtis cinnamomea Lindl.

Frequent. Flowers: Mar.-Apr. Fruits: Mar.-May. Nandgaon, 95900; Wagjoi, 96179; Sakarpathar, 97775.

Trema orientalis (Linn.) Blume

Occasional. Flowers: Dec.-May. Fruits: Feb.-June. Ambavane, 93282; Saltar, 93481; Tiskari, 96107.

URTICACEAE

Boehmeria scabrella (Roxb.) Gaud.

Common. Flowers and fruits: Aug.-Jan. Sakarpathar, 68332; Maluste, 93234; Korai fort, 93290; Saltar, 93473; Bushi, 98689, 98797; Ghusalgaon, 99174.

Fleurya interrupta (Linn.) Gaud.

Common. Flowers and fruits: July-Oct. INS Shivaji, 98740; Bushi, 98795; Korai fort, 99025; Valwan, 99389.

Girardinia zeylanica Decne.

Common near Korai fort. Flowers and fruits:

July-Jan. Korai fort, 93314, 98710, 101082; Tiskari, 99420; Pandongar 99468; Sakarpathar, 101179.

Lecanthus peduncularis (Wall.) Wedd.

Common on way to Korai fort. Flowers and fruits: July-Oct. Bushi, 98653, 98790; Ghusalgaon, 99158; Korai fort, 99026, 99245, 99246.

Pouzolzia zeylanica (Linn.) Benn.

Common on way to Korai fort. Flowers and fruits: July-Oct. Bushi, 98656; Korai fort, 99024, 99239; Sakarpathar, 100933.

MORACEAE

Antiaris toxicaria (Pers.) Leschen.

Rare. Sakarpathar, 68392.

Artocarpus heterophyllus Lamk.

Planted. Receptacles: Jan.-Apr. Saltar, 93484; Ambavane, 95861.

Ficus arnottiana Miq.

Common. Receptacles: Dec.-Aug. Ambavane, 93384; Kate Pani, 95964, 96038, 97855; Korai fort, 97878; Tiskari, 99310.

F. asperima Roxb.

Common. Receptacles: Jan.-Aug. Saltar, 93461; Korai fort, 95823; Sakarpathar, 96131, *Rolla* 77707, *Gammie* 15171, 16248; Ambavane, 97678; Bushi, 97980; Ghusalgaon, 99280.

F. benghalensis Linn.

Planted. Receptacles: Mar.-May. Ambavane R.H., 100974.

F. benjamina Linn.

Not seen by me. The present record is based on a fragmentary specimen having no receptacles identified as *F. benjamina* Linn. Sakarpathar, *Gammie* 15164 on 21.5.1902.

F. drupacea Thunb. var. **pubescens** (Roth) Corner

Common in dense forest. Receptacles: Mar.-June. Kate Pani, 96035, 97698, 97845.

F. hispida Linn. f.

Occasional. Receptacles: Dec.-Mar. Korai fort, 93312; Kate Pani, 95961; Sakarpathar, 77713.

F. microcarpa Linn. f.

Occasional. Receptacles: Mar.-June. Nandgaon, 97656; Ambavane, 97684, 97856.

F. nervosa Heyne

Rare in dense forest. Nandgaon, 99367.

F. racemosa Linn.

Common. Receptacles: Dec.-May. Sakarpathar, 93266, 97728; Ambavane, 93274; Masgaon, 95988.

F. religiosa Linn.

Planted in Ambavane Village.

Ficus talboti King

Rare near Masgaon (96089). Receptacles: Mar.-May.

F. tsiela Roxb.

Rare in Nandgaon Forest (97655, 100989). Receptacles: Mar.-May.

F. tinctoria Forst. f. ssp. **parasitica** var. **parasitica** Corner

Frequent. Receptacles: Nov.-May. Maluste, 93266; Kotri, 93363; Bharpa, 95815; Tiskari, 96118; Sakarpathar, 97777.

F. virens Ait.

Frequent. Receptacles: Dec.-Apr. Ambavane, 93423; Kate Pani, 95973; Nisthiga, 96189; Saltar, 97602.

F. virens Ait. var. **lambertiana** (Miq.) Sant.

Occasional. Receptacles: Oct.-Feb. Nandgaon, 95768; Tiskari, 101035.

Morus alba Linn.

Cultivated (98610).

CASUARINACEAE

Casuarina equisetifolia J. R. & G. Forst.

Planted (97988).

HYDROCHARITACEAE

Blyxa octandra (Roxb.) Planch. ex Thw.

Rare. Flowers: June-July. INS Shivaji, 97961.

Nechamandra alternifolia (Roxb.) Thw.

Rare. Flowers: Sept.-Oct. Valwan, 100954.

BURMANNIACEAE

Burmattia pusilla (Wall. ex Miers.) Thw.

Occasional among grass on plateau. Flowers and fruits: Sept.-Oct. (-Dec.). Sakarpathar, 68357; Rajni, 101061.

ORCHIDACEAE

Aërides crispum Lindl.

Common on *Memecylon umbellatum*, *Mangifera indica*, *Terminalia crenulata* and *Ficus glomerata*. Flowers: May-June. Fruits: All the year, from June onwards. Ambavane, 68393; Maluste, 93233; Visakhar, 97864; Sakarpathar, 97970; Rajni, 101063.

A. maculosum Lindl.

Common on *Terminalia crenulata*, *Xeromphis spinosa* and *Carissa congesta*. Flowers: June-July. Fruits: June-Apr. Sakarpathar, 68396; Ambavane, 95820; Maluste, 97674; Jambulna, 99292.

Dendrobium microbulbon Rich.

Frequent on *Memecylon umbellatum*. Flowers: Dec.-Jan. Ambavane, 100960.

D. barbatulum Lindl.

Common on *Xeromphis spinosa*, *Butea monosperma* and *Ficus* sp. Flowers: Jan.-May. Fruits: Apr.-June. Ambavane Launch Point, 96103; Jambulna, 96127; Ambavane, Rolla 87414.

Eria microchilos Lindl.

Common on several tree species. Flowers: July-Sept. Fruits: Sept.-Oct. Saltar, 99086; Ambavane, 99205.

Eulophia ochreatea Lindl.

Occasional. Fruits: July-Aug. Tiskari, 99302.

E. ramentacea Lindl.

Occasional among bushes. Flowers: May-June. Ambavane, 97857, 97859.

Habenaria digitata Lindl.

Common among grass on plateau. Flowers: July-Aug. Fruits: Aug.-Oct. Bushi, 98649; Sakarpathar, 99201, 99299. *Chibber* 106; Ambavane, 99213.

H. grandifloriformis Blatt. & McC.

Common among grass on plateau. Flowers: July-Aug. Fruits: Aug.-Sept. Bushi, 98673; Pet, 99251; Jambulna, 99283.

H. heyneana Lindl.

Occasional among grass on plateau. Flowers: Aug.-Sept. (-Mar.). Bushi, 98648, 98681, Rolla 33046.

H. longicorniculata Grah.

Common among grass on plateau. Flowers: Aug.-Sept. Fruits: Sept.-Oct. Saltar, 99061; Ghusalgaon, 99159; Bushi, 100904.

H. marginata Coleb.

Not seen by me. Flowers: July-Aug. Bushi (Lonavla), *Garade* s.n. on 8.8.1905.

H. rariflora A. Rich.

Common among grass on plateau. Flowers: July-Aug. Fruits: Aug.-Sept. Bushi, 98650; Koraifort, 99240; Maluste, 99373.

Liparis nervosa (Sw.) Lindl.

Rare. Flowers: July-Aug. Sakarpathar, 99294.

Malaxis versicolor (Lindl.) Abeyw.

Common among bushes along stream. Flowers: June-Sept. Fruits: Sept.-Oct. Bushi, 98695, 98785; Tiskari, 99309; Kotri, 99356.

***Nervilia infundibulifolia** Blatt. & McC.

Occasional in forest undergrowth. Leaves: Sept.-Oct. Sakarpathar, 100922.

Oberonia recurva Lindl.

Common on *Mangifera indica* and *Syzygium cumini*. Flowers: Apr.-July. Fruits: June-Apr. Pandongar, 93157; Ambavane, 93396, Rolla 87426; Visakhar, 97865.

Peristylus densus (Lindl.) Sant. & Kapad.

Common among grass on plateau. Flowers: Aug.-Oct. Sakarpathar, 98780; Rajni, 99065.

P. platagineus Lindl.

Common near Tiskari among bushes. Flowers: July-Oct. Fruits: Oct.-Nov. Tiskari, 101038; Ambavane, 99361.

P. stocksii (Hook. f.) Kraenz.

Common among bushes. Flowers: July-Sept. Bushi, 98695; Jambulna, 99293; Tiskari, 99374.

Platanthera susannae (Linn.) Lindl.

Common near Ambavane R. H. and along roadside. Flowers: Sept.-Oct. Sakarpathar, 98781.

Thunia venosa Rolfe

Seen only near Korai fort (99020). Flowers: Aug.-Oct.

Zeuxine strateumatica (Linn.) Schltr.

Rare. Flowers and fruits: Feb.-Mar. Bushi (Lonavla), Rolla 33043.

ZINGIBERACEAE

Costus speciosus (Koenig) Smith

Common herb along flow stream. Flowers: Aug.-Oct. Fruits: Oct.-Dec. Rajni, 99060; Kate Pani, 101024; Kotri, 99369.

Curcuma pseudomontana Grah.

Common. Flowers: May-Sept. Sakarpathar, 68394; Bushi, 97956; Ambavane, 99016, 99306.

Kaempferia scaposa (Nimmo) Benth.

Common on plateau. Flowers: July-Sept. Valwan, 98604; Bushi, 98677; Ambavane, 99304.

Zingiber cernuum Dalz.

Common in dense forest undergrowth. Flowers: Aug.-Sept. Fruits: Sept.-Nov. Bushi, 98687; Ambavane, 99017; Masgaon, 99478.

Z. macrostachyum Dalz.

Common along wayside. Flowers: June-Sept. Bushi, 97959; Ambavane, 99015, 99307.

CANNACEAE

Canna indica Linn.

Garden plant.

MUSACEAE

Ensete superbum (Roxb.) Cheesman

Common along stream on steep cut rock. Flowers: July-Aug. Jambulna, 99275.

HYPOXIDACEAE

Curculigo orchioides Gaertn.

Common along wayside. Flowers: June-Oct. Fruits: Sept.-Oct. Bushi, 97938; Kate Pani, 99332; Sakarpathar, Chibber 117.

Hypoxis aurea Lour.

Common among low grass. Flowers: June-Sept. Fruits: Aug.-Sept. Bushi, 67962, 98680; Korai fort, 99248.

AMARYLLIDACEAE

Crinum asiaticum Linn.

Seen only near Nandgaon village (99363). Flowers: July-Aug.

C. latifolium Linn.

Common near Bushi. Flowers: Mar.-June. Leaves: July-Aug. Ambavane, 97858; Bushi, 97975.

Pancratium parvum Dalz.

Rare. Flowers: Aug.-Sept. INS Shivaji, 98697.

AGAVEACEAE

Agave ingens Berger

Fairly common. Flowers: May-July. Masgaon, 96088; Maluste, 97895.

DIOSCOREACEAE

***Dioscorea helophylla** Voigt

Occasional. Flowers: Sept.-Dec. Ghusalgaon, 101128; Bushi, 101147.

D. bulbifera Linn.

Common. Flowers: July-Sept. Ambavane, 99215; Kotri, 99354.

D. oppositifolia Linn.

Common. Flowers: May-Aug. Fruits: July-Dec. Kate Pani, 97839; Bushi, 97979; Kotri, 99355.

D. pentaphylla Linn.

Fairly common. Flowers: July-Sept. Fruits: Sept.-Jan. Sakarpathar, 68343; Saltar, 93456; Ambavane, 97999; Bushi, 98664; Jambulna, 99284.

D. wallichii Hook. f.

Seen only in Maluste ka Nali (101106). Flowers: Oct.-Nov.

LILIACEAE

Asparagus racemosus Willd. var. **javanicus** Baker

Fairly common in deciduous forest. Flowers: May-Aug. Fruits: July-Sept. Pet, 97861; Bushi, 97945; Ambavane, 99216; Tiskari, 99316; Sakarpathar, Gammie 15196.

Chlorophytum glaucum Dalz.

Fairly common. Flowers: July-Nov. Fruits: Sept.-Nov. Bushi, 98668; Pet, 99012; Kate Pani, 99346; Korai fort, 101066.

Iphigenia indica (Linn.) A. Gray

Common among low grass. Flowers: July-Oct. Fruits: Aug.-Oct. Bushi, 98674; Sakarpathar, 98738; Ghusalgaon, 99164; Wagjoi, 99319; Valwan, 99381.

SMILACEAE

Smilax zeylanica Linn.

Fairly common in deciduous forest. Flowers: July-Jan. Fruits: Oct.-Apr. Pandongar, 93154; Maluste, 93252; Korai fort, 97653; Wagjoi, 99111; Sakarpathar, Rolla 69794; Chibber 115, Gammie 15935, 16294; Ambavane, Rolla 87403, Garade s.n. on 20.12.1908.

COMMELINACEAE

Commelina benghalensis Linn.

Occasional. Flowers and fruits: Aug.-Oct. Ghusalgaon, 99172.

C. diffusa Burm. f.

Common on plateau. Flowers and fruits: Aug.-Oct. Sakarpathar, 98702; Korai fort, 99057; Ghusalgaon, 99173.

C. hasskarlii C. B. Clarke

Frequent. Flowers and fruits: Sept.-Jan. (-Apr.). Ambavane, 93338; Saltar, 93478; Korai fort, 97691; INS Shivaji, Rolla 85266.

C. maculata Edg.

Common near Korai fort, rare elsewhere. Flowers and fruits: Aug.-Oct. Korai fort, 99056.

C. paludosa Blume

Not seen by me. Flowers: Oct. 1919. Bushi (Lonavla), Bhide s.n. in Oct. 1919.

***C. suffruticosa** Blume

Common in Kate Pani Forest (99333). Flowers: July-Sept.

Cyanotis cristata (Linn.) Schult. f.

Common. Flowers and fruits: Aug.-Oct. Korai fort, 99055; Saltar, 99084; Bushi, 100901.

C. fasciculata var. **glabrescens** C. B. Clarke

Fairly common on plateau. Flowers and fruits: July-Oct. Sakarpathar, 98772; Ambavane, 99006; Korai fort, 99254; Atvan, 100924.

Murdannia nudiflora (Linn.) Brenan

Rare. Flowers and fruits: Aug.-Oct. Wagjoi, 99123.

M. semiteres (Dalz.) Sant.

Common. Flowers and fruits: Aug.-Oct. Ghusalgaon, 99170; Valwan, 99397.

M. spirata (Linn.) Brueck.

Fairly common. Flowers and fruits: Aug.-Oct. Valwan, 98616; Korai fort, 99053, 99054; Wagjoi, 99124.

M. versicolor (Dalz.) Brueck.

Occasional. Flowers and fruits: Sept.-Dec. Sakarpathar, 68359, 98758.

PALMAE

Caryota urens Linn.

Frequent in dense forest. Flowers: Mar.-May. Nandgaon, 93261; Kate Pani, 95944; Jambulna, 97829.

Phoenix robusta Hook. f.

Common. Flowers: Jan.-Mar. Fruits: Mar.-May. Sakarpathar, 68331, Garade s.n. on 4.2.1905; Nandgaon, 93268, 95769, 95994, Woodrow s.n. on 21.2.1896; Ambavane, Garade s.n. on 27.2.1909.

P. sylvestris (Linn.) Roxb.

Rare. INS Shivaji, 96135.

PANDANACEAE

Pandanus furcatus Roxb.

Frequent. Korai fort, 93292; Saltar, 97604.

TYPHACEAE

Typha angustata Bory & Chaub.

Rare. Flowers: Sept.-Feb. Valwan, 100951, Gammie s.n. on 4.2.1907.

ARACEAE

Amorphophallus bulbifer (Roxb.) Blume

Common in forest undergrowth. Bulbils: Aug.-Sept. Bushi, 98699; Ambavane, 99013; Ghusalgaon, 99178.

A. commutatus (Schott.) Engler

Common in forest undergrowth. Ambavane, 99014.

Ariopsis peltata Nimmo

Common on steep cut rock. Flowers: July-Aug. Fruits: Aug.-Sept. Kate Pani, 98711; Korai fort, 99250; Jambulna, 99290; Tiskari, 99325.

Arisaema murrayi (Grah.) Hook.

Common among bushes. Flowers: July-Aug. Fruits: July-Nov. Rajni, 99147; Ghusalgaon, 99298; Maluste, 101114.

A. neglectum Schott.

Common among bushes. Flowers: July-Aug. Ghusalgaon, 99297; Tiskari, 99308.

A. tortuosum (Wall.) Schott.

Common. Flowers: June-July. Bushi, 97960.

Colocasia esculenta (Linn.) Schott.

Common near Ambavane village, an escape from cultivation. Flowers: Aug.-Sept. Ambavane, 99058.

Cryptocoryne retropiralis Fisch. ex Wydler

Common in river bed. Flowers: Nov.-Jan. Fruits: Jan.-Feb. Kotri, 93362; Valwan, 101143.

Remusatia vivipara (Roxb.) Schott.

Common on rocks and tree trunk. Flowers: Aug.-Sept. Sakarpathar, 98709; Ambavane, 99018.

ERIOCAULACEAE

Eriocaulon achiton Koern.

Occasional. Flowers: Aug.-Sept. Masgaon, 99102.

E. cinereum R. Br.

Frequent. Flowers: Oct.-Nov. Tiskari, 101042.

E. diana Fyson

Fairly common along stream. Flowers: July-Nov. Sakarpathar, 87777, *Gammie* 15903; Ambavane, 99009; Masgaon, 99101, 99104; Valwan, 97923, 99377.

E. diana Fyson var. **triloboides** Fyson

Common in harvested field. Flowers: Dec.-Feb. Sakarpathar, 68360; Pandongar, 93186; Kotri, 93372; Ambavane, 95999.

E. margaretae Fyson

Occasional. Flowers: Oct.-Nov. Saltar, 101030.

E. minutum Hook. f.

Frequent. Flowers: Sept.-Jan. Ambavane, 93425; Valwan, 100942.

E. vanheurckii Muell.-Arg.

Common on plateau. Flowers: Aug.-Sept. Sakarpathar, 98776; Ambavane, 99007.

E. xeranthemum Mart.

Occasional. Flowers: Aug.-Sept. Masgaon, 99103.

CYPERACEAE

Bulbostylis capillaris Kunth

Common on plateau. Flowers: July-Sept. Valwan, 98646, 99395; Pet, 99294.

Carex filicina Ness var. **glaucina** (Boeck) Kueken

Common in shady area. Flowers: Nov.-Jan. Sakarpathar, 68376; Ambavane, 93213, 93402.

Cyperus aristatus Rottb.

Common in moist place near INS Shivaji. Flowers: July-Sept. INS Shivaji, 68398, 98614, 98634.

C. brevifolius (Rottb.) Hassk.

Occasional. Flowers: Aug.-Sept. Valwan, 98637, 99390.

C. cyperoides (Linn.) O. Kuntze

Common. Flowers: July-Sept. Ambavane, 99214; Devgarh, 99366.

C. corymbosus Rottb.

Occasional in moist area. Flowers: Aug.-Oct. Saltar, 99140; Valwan, 98712.

C. digitatus Roxb.

Occasional in moist place. Flowers: Sept.-Jan. Saltar, 93476; Tiskari, 101046; Ambavane, *Gammie* 15995.

C. difformis Linn.

Frequent in harvested field. Flowers: July-Feb. Ambavane, 93443; 95998B; Valwan, 97933, 99376.

C. elusoides Kunth

Rare. Flowers: Sept.-Oct. Valwan, 98713.

C. exaltatus Retz.

Common near Valwan (98612, 98725). Flowers: Aug.-Oct.

C. globosus Allion

Fairly common. Flowers: July-Apr. Pandongar, 93185; Ambavane, 93440, 93442, 95998; Kotri, 96080; Valwan, 97929, 97936; 98635, 98735; Thembi, 98704; Sakarpathar, 98775, *Gammie* 15904; Pet, 99010; Bushi, *Supdt. Lonavla Farm* s.n. on 12.11.1907.

C. haspan Linn.

Common near Bushi Lake (100917). Flowers: Sept.-Oct.

C. iria Linn.

Fairly common. Flowers: Aug.-Feb. Korai fort, 95836; Ambavane, 97848; Saltar, 99088; Ghusalgaon, 99169; Valwan, 99398.

C. kyllinga Endl.

Occasional. Flowers: Mar.-July. INS Shivaji, 97760, 97761; Valwan, 97930.

C. latespicatus Boeck.

Occasional. Flowers: Sept.-Nov. Valwan, 98721; Tiskariwada, 101046B.

C. malabaricus (Clarke) Cooke

Fairly common. Flowers: July-Sept. Korai fort, 99048, 99234; Valwan, 99392.

C. michelianus (Linn.) Link. ssp. **pygmaeus** (Rottb.) Asch.

Common. Flowers: Dec.-May. Bushi, 97792, *Rolla* 77740; Ambavane, 95738; Korai fort, 95840.

C. nutans Vahl

Rare. Flowers: Oct.-Nov. Tiskari, 99438.

C. pumilus Linn.

Common in moist area. Flowers: Aug.-May. Pandongar, 93141; Maluste, 95955; Kate Pani, 97850; Wagjoi, 99122; Valwan, 99391; Bushi, *Supdt. Lonavla Farm* s.n. on 12.11.1907.

C. rotundus Linn.

Common in watery area. Flowers: July-Sept. Kotri, 99352; Valwan, 98606.

C. sanguinolentus Vahl

Common. Flowers: Aug.-Feb. Ambavane, 93394, 93397A; Korai fort, 95836B; Valwan, 98636; Bushi, 98683.

C. triceps (Rottb.) Endl.

Common. Flowers: July-Sept. Korai fort, 99235.

Fimbristylis aestivalis Vahl

Fairly common. Flowers: Aug.-May. Pandongar, 93183; Kotri, 96079; INS Shivaji, 97750; Valwan, 98633; Bushi, *Rolla* 77741.

Fimbristylis bisumbellata (Forsk.) Bub.

Fairly common. Flowers: Aug.-May. Pandongar, 93184; Valwan, 98722B, 98727, 99400; Masgaon, 99096, 99097; Bushi, 100910.

F. complanata Link

Common near Valwan (98730). Flowers: Sept.-Oct.

F. digitata Boeck.

Common. Flowers: June-Aug. Bushi, 97963; Sakarpathar, 97972; Jambulna, 99288.

F. diphylla (Retz.) Vahl

Occasional. Flowers: June-Sept. Valwan, 97932A, 98638.

F. ferruginea Vahl

Common near Valwan (98722A). Flowers: Sept.-Oct.

F. miliacea Vahl

Common near Valwan (98723). Flowers: Sept.-Oct.

F. quinqueangularis Kunth

Seen only near Valwan (97932B, 98603). Flowers: June-Sept.

F. tenera Roem. et Sch.

Common among low grass on plateau. Flowers: Aug.-Oct. Korai fort, 99049; Bushi, 100915.

F. tetragona R. Br.

Common in moist place. Flowers: Aug.-Nov. (-May). INS Shivaji, 97767; Sakarpathar, 98774; Saltar, 99083; Valwan, 99394; Ambavane, 99456.

F. woodrowii C. B. Clarke

Common on plateau among low grass near Bushi (98682). Flowers: Aug.-Sept.

Fuirena glomerata Lamk.

Common near Valwan in marshy area. Flowers: Nov.-Dec. Valwan, 101141.

Rhynchospora wightiana Steud.

Common among grass. Flowers: Oct.-Dec. Ambavane, 99404; Bushi, 101160.

Scirpus mucronatus Linn.

Rare in watery area. Flowers: Aug.-Sept. Valwan, 99399.

S. supinus Linn. var. **uninodis** C. B. Clarke

Rare in harvested field. Flowers: Dec.-Jan. Ambavane, 93436.

Scleria stocksiana Boeck.

Occasional. Flowers: Sept.-Nov. Sarkarpathar, 98778; Rajni, 101059.

POACEAE

Apluda mutica Linn.

Common. Flowers: Oct.-Dec. (-Feb.). Ambavane, 93342; Tiskari, 95805; Korai fort, 101086.

Arthraxon inermis Hook. f.

Common. Flowers: Oct.-Dec. (-May). Tiskari, 95809, 99442; INS Shivaji, 97746; Ambavane, 101075; Sakarpathar, *Gammie* 15905.

A. lancifolius (Trin.) Hochst.

Common on walls. Flowers: Aug.-Nov. Valwan, 98715; Tiskariwada, 101047A.

A. meeboldii Stapf

Common. Flowers: Aug.-Nov. Valwan, 98714; Rajni, 99143; Pandongar, 99470.

A. prionoides (Steud.) Dandy

Common. Flowers: Sept.-Nov. INS Shivaji, 98753; Pandongar, 99470.

A. quartianus (Rich.) Nash

Fairly common. Flowers: Oct.-Dec. (-Jan.). Korai fort, 99305; Tiskari, 99439, 99448, 99449; Kate Pani, 99485; Ambavane, 101073; Sakarpathar, *Rolla* 85244.

Arundinella leptochloa (Nees ex St.) Hook. f.

Occasional. Flowers: Oct.-Nov. Tiskari, 99443; Pandongar, 99464.

A. metzii Hochst. ex Miq.

Fairly common. Flowers: Oct.-Dec. (-Feb.). Sakarpathar, 68378, *Gammie* 15954; Ambavane, 93206; Korai fort, 95938; INS Shivaji, 96142, *Rolla* 85264; Pandongar, 99474; Tiskari, 101051; Maluste, 101112.

A. nepalensis Trin.

Occasional in wet place. Flowers: Oct.-Dec. (-Mar.). INS Shivaji, 96145; Tiskari, 101039.

A. pumila (Hochst.) Steud

Fairly common. Flowers: Aug.-Nov. Saltar Nala, 99094; Rajni, 99145; Valwan, 99199; Tiskari, 99421; Kate Pani, 99484; Bushi, 100902.

A. setosa Trin.

Rare. Flowers: Nov.-Dec. Sakarpathar, *Garade* s.n. on 22.11.1906.

Bhidea burnisiana Bor

Not seen by me. Flowers: Sept.-Oct. Bushi (Lonavla), *Bhide* s.n. on 8.10.1919.

Bothriochloa compressa (Hook. f.) Henrard

Occasional. Flowers: Oct.-Nov. Tiskari, 99425.

B. concanensis (Hook. f.) Henrard

Frequent along stream. Flowers: Oct.-Nov. Ambavane, 99453; Saltar, 101025.

B. intermedia (R. Br.) A. Camus var. **intermedia**

Occasional in moist place. Flowers: Jan.-Mar. INS Shivaji, 96154.

B. kuntzeana (Hack.) Henrard

Rare near Tiskari Forest (95800). Flowers: Jan.-Feb.

Bothriochloa odorata (Lisboa) A. Camus

Common near Ambavane Village (95744) along cultivated field. Flowers: Jan.-Feb.

B. pertusa (Linn.) A. Camus

Fairly common on top of Pandongar Hill (99471), rare elsewhere. Flowers: Oct.-Nov.

Brachiaria eruciformis (J. E. Sm.) Griseb.

Rare. Flowers: Feb.-Mar. Bushi, *Rolla* 77735.

B. ramosa (Linn.) Stapf

Rare on top of Keraifort (95839). Flowers: Jan.-Feb.

Capillipedium filiculme (Hook. f.) Stapf

Frequent on hill slope. Flowers: Oct.-Dec. (-Feb.). Pandongar, 93175; Tiskari, 95799, 99400; Ambavane, 95978.

C. heugeli (Hack.) Stapf

Occasional in open country. Flowers: Nov.-Dec. (-Jan.). Ambavane, 95720; Sakarpathar, 101182.

C. parviflorum (R. Br.) Stapf

Occasional. Flowers: Nov.-Jan. Pandongar, 93149; Ambavane, *Gammie* 15973.

Chloris virgata Sw.

Rare. Flowers: Sept.-Oct. INS Shivaji, 100936.

Chrysopogon aciculatus (Retz.) Trin.

Rare. Flowers: Aug.-Sept. Valwan, 98621.

Coix lachryma-jobi Linn.

Common near wet area. Flowers: Sept.-Dec. (-Jan.). Ambavane, 93170; Masgaon, 93451; Bushi, 98792; Valwan, 100945; INS Shivaji, *Rolla* 85215.

Cymbopogon martinii (Roxb.) Wats.

Common in cleared area. Flowers: Nov.-Dec. (-Jan.). Ambavane, 93391; Masgaon, 93454.

Cynodon dactylon (Linn.) Pers.

Common. Flowers: Dec.-Feb. Korai fort, 95837.

Cyrtococcum oxyphyllum (Steud.) Stapf

Frequent in shady place among bushes. Flowers: Nov.-Jan. (-June). Tiskari, 95701, 96810; Bushi, 101146.

Dactyloctenium aegypticum (Linn.) Beauv.

Rare. Flowers: Sept.-Oct. Valwan, 100947.

Dendrocalamus strictus Nees

Common, not seen in flowers. Maluste, 93240; Tiskari, 95802.

Digitaria adscendens (H. B. K.) Henrard

Common in moist area. Flowers: July-Sept. Valwan, 97935, 98607; Rajni, 99142; Ghusalgaon, 99167.

D. longiflora (Retz.) Pers.

Common in moist soil. Flowers: June-Sept. (-May). INS Shivaji, 97766, 97933; Valwan, 98609, 98627, 99396; Tiskari, 99317.

D. stricta Roth ex Roem. et Sch.

Occasional. Flowers: Aug.-Oct. Valwan, 98628, 98717.

Dichanthium aristatum (Poir) Hubb.

Rare near Tiskari Village (99424). Flowers: Oct.-Nov.

***Dimeria blatteri** Bor

Common in open area. Flowers: Sept.-Oct. Sakarpathar, 98770; Bushi, 98791.

D. gracilis Nees ex Steud

Common on plateau near Ambavane Village (99455, 99461). Flowers: Oct.-Nov.

D. ornithopoda Trin.

Common. Flowers: Oct.-Nov. Tiskari, 99433; Polarahwada, 101047B, 101048.

Echinochloa colonum (Linn.) Link

Occasional on wet soil. Flowers: July-Oct. (-Jan.). Ambavane, 95741; Kate Pani, 97849; Valwan, 97934; Rajni, 99136A.

Eleusine coracona (Linn.) Gaertn.

Occasional in harvested field. Flowers: Dec.-Feb. Ambavane, 95740.

E. indica (Linn.) Gaertn.

Occasional. Flowers: June-Aug. Valwan, 97931, 98631.

Eragrostis diarrhena (Sch.) Steud.

Frequent in moist place. Flowers: Jan.-Mar. Korai fort, 95850; INS Shivaji, 96146, 96147, 96160.

E. gangetica (Roxb.) Steud

Common. Flowers: Aug.-Oct. (-May). INS Shivaji, 96148, 97758; Bushi, 97706; Valwan, 98630, 98724, 100949; Tiskari, 101045.

E. japonica (Thunb.) Trin.

Occasional in moist place. Flowers: Nov.-Feb. Sakarpathar, 68336; Nandgaon, 95901.

E. pilosa (Linn.) Beauv.

Common. Flowers: July-Sept. INS Shivaji, 68339; Valwan, 97929, 98623, 98624, 98718.

E. tenella (Linn.) Beauv. ex Roem. et Sch.

Occasional. Flowers: Aug.-Sept. Valwan, 98626.

E. uniloides (Retz.) Nees ex Steud

Fairly common. Flowers: June-Oct. (-Apr.). Saltar Nala, 96123; Ambavane, 97688; Kate Pani, 97851; Valwan, 97928, 98632; Korai fort, 99050; Wagjoi, 99126; Bushi, 100913.

Eulalia fimbriata (Hack.) O. Kuntze

Frequent. Flowers: Oct.-Nov. Valwan, 101139; Sakarpathar, 101184.

Eulalia trispicata (Schult.) Henrard

Common. Flowers: Nov.-Jan. (-Apr.). Pandongar, 93131; Maluste, 93245; Ambavane, 95752, 96054; Saltar, 96096.

Garnotia arborum Stapf ex Woodrow

Occasional along stream. Flowers: Aug.-Oct. Ghusalgaon, 99171.

G. stricta Brongn.

Common on rocks, tree trunks, etc. Flowers: Aug.-Oct. Saltar Nala, 99091; Rajni, 99137, 99138; Valwan, 99387.

Heteropogon contortus (Linn.) Beauv. ex Roem. et Sch.

Fairly common. Flowers: Sept.-Nov. (-Jan.). Sakarpathar, 68370, 98757, *Rolla* 85246; Pandongar, 93125; Atvan, 100925; Ambavane, 101090.

H. triticeus (R. Br.) Stapf ex Craib

Common on hill slope. Flowers: Sept.-Nov. Sakarpathar, 98760; Tiskari, 99422.

***Indochloa clarkei** (Hack.) Bor

Rare in dense forest among bushes. Flowers: Oct.-Nov. Tiskari, 99496.

Indopoa paupercula (Stapf) Bor

Common among rock crevices in open area. Flowers: Aug.-Oct. Sakarpathar, 98762; Korafort, 99045; Bushi, 100916.

***Ischaemum dalzellii** Stapf ex Bor

Occasional. Flowers: Oct.-Nov. Kate Pani, 99481; Rajni, 101056.

I. diplopogon Hook. f.

Common along stream. Flowers: Sept.-Nov. (-May). Maluste, 93230; INS Shivaji, 97749; Valwan, 98716, 98719; Ambavane, 99454; Sakarpathar, *Gammie* 15963.

***I. impressum** Hack.

Occasional. Flowers: Sept.-Oct. Sakarpathar, 98779, *Bhide* s.n. on 14.10.1909.

I. indicum (Houtt.) Merr.

Frequent in moist place. Flowers: Oct.-Dec. (-Jan.). Pandongar, 93108; Kotri, 93370; Ambavane, 99457.

I. molle Hook. f.

Occasional along cultivated field. Flowers: Oct.-Nov. Ambavane, 99460.

I. rugosum Salisb.

Occasional along harvested field. Flowers: Dec.-Feb. Ambavane, 95726, 95749.

I. semisagittatum Roxb.

Common in open area. Flowers: Aug.-Oct. (-Dec.). Sakarpathar, 68373; Rajni, 99092, 99144.

I. timorensis Kunth

Frequent. Flowers: Oct.-Nov. Tiskari, 99435; Rajni, 101054.

Isachne elegans Dalz. ex Hook. f.

Frequent. Flowers: July-Oct. Valwan, 98602; Bushi, 98672.

I. globosa (Thunb.) O. Kuntze var. **effusa** (Trin. ex Hook. f.) Senar.

Common. Flowers: Aug.-Oct. (-Jan.). Ambavane, 93198; Rajni, 99152; Tiskari, 101050; Sakarpathar, *Gammie* 15961.

***I. gracilis** C. E. Hubb.

Frequent. Flowers: Aug.-Nov. Rajni, 99135; Kate Pani, 99487; Bushi, 100921.

I. miliacea Roth

Frequent in moist place. Flowers: Sept.-Dec. (-May). Sakarpathar, 68377; Ambavane, 97686; INS Shivaji, 97764; Valwan, 98729.

I. pulchella Roth ex Roem. et Sch.

Rare in harvested field. Flowers: Jan.-Feb. Ambavane, 95747.

Jansenella griffithiana (C. Muell.) Bor

Common on plateau among rock crevices. Flowers: Aug.-Oct. Sakarpathar, 98737, 98747; without collector's name on 22.11.1906; Saltar, 99090; Ambavane, 99131, 99132.

Manisuris clarkei (Hack.) Bor

Rare, seen only on plateau near Ambavane Lauch Point (99414). Flowers: Oct.-Nov.

M. forficulata Fischer

Common in open area among rock crevices. Flowers: Aug.-Oct. Sakarpathar, 98765; Saltar Nala, 99095; Ambavane, 99130.

Oplismenus compositus (Linn.) Beauv.

Common in shady place. Flowers: Nov.-Jan. Sakarpathar, 68374; Pandongar, 93143; Maluste, 93221.

Oryza sativa Linn.

Widely cultivated. Ambavane, 95725, 95742.

Panicum sumatrense Roth ex Roem. et Sch.

Cultivated. Flowers: Sept.-Nov. Tiskari, 99436.

P. notatum Retz.

Common in shady place. Flowers: Sept.-Dec. (-Jan.). Ambavane, 93214, 93404; Tiskari, 99423; Bushi, 100903.

P. psilopodium Trin.

Common. Flowers: July-Nov. (-Apr.). Ambavane, 95721; Saltar, 97626; INS Shivaji, 98000; Valwan, 98601, 98629; Korafort, 99233; Rajni, 99141; Ghusalgaon, 99168; Kotri, 101121.

Paspalum compactum Roth

Common. Flowers: July-Sept. Valwan, 98625; Koraifort, 99043, 99236; Saltar, 99087.

P. scrobiculatum Linn.

Common. Flowers: June-Sept. (-May). INS Shivaji, 97765; Sakarpathar, 97994; Rajni, 99136B; Pet, 99228.

Pennisetum hoehnackeri Hochst. ex Steud

Common near Ambavane village in open area. Flowers: Oct.-Jan. Ambavane, 93205; Polaraliwada, 101043.

P. typhoides (Burm.) Stapf ex Hubb.

Escape from cultivation. Flowers: Sept.-Oct. Valwan, 99194.

Saccharum spontaneum Linn.

Rare in marshy area. Flowers: Sept.-Dec. Valwan, 100948, 101137.

Sacciolepis indica (Linn.) A. Chase

Common near Saltar (101032). Flowers: Oct.-Nov.

Sehima nervosum (Rottb.) Stapf

Fairly common on hill slope. Flowers: Oct.-Dec. Kate Pani, 99479; Maluste, 101093; Atvan, 101189.

Setaria glauca (Linn.) P. Beauv.

Fairly common. Flowers: July-Nov. (-Jan.). Ambavane, 95743; Valwan; 98622, 98726; Rajni, 99139; Koraifort, 99249; Kate Pani, 99336; Bushi, *Supdt. Lonavla Farm* 4.

S. tomentosa (Roxb.) Kunth

Rare. Flowers: Sept.-Oct. Valwan, 99198.

Spodiopogon rhizophorus (Steud.) Pilger

Common. Flowers: Oct.-Dec. (-Jan.) Ambavane, 93291; Pandongar, 99463; Koraifort, 101070; Sakarpathar, *Chibber* 137.

Sporobolus diander (Retz.) P. Beauv.

Fairly common. Flowers: Nov.-Jan. (-May). Pandongar, 93179; Koraifort, 93318; Bushi, *Rolla* 77738; INS Shivaji, *Rolla* 85203.

S. indicus auctt. non (Linn.) R. Br.

Rare in harvested field near Ambavane village (95723). Flowers: Dec.-Jan.

Themeda quadrivalvis (Linn.) O. Kuntze

Fairly common in cleared area. Flowers: Dec.-Jan. Pandongar, 93113, 93114.

T. triandra Forsk.

Common. Flowers: Nov.-Dec. Sakarpathar, 68375.

Triplopogon ramosissimus (Hack.) Bor

Common. Flowers: Oct.-Nov. Tiskari, 99447; Ambavane, 99462.

Trilobachne cookei (Stapf) Schenck ex Henrard

Rare in Kate Pani Forest (99482) among *Carvia* bushes. Flowers: Oct.-Nov.

Tripogon capillatus Jaub. et Spach.

Common on rocks. Flowers: Aug.-Oct. INS Shivaji, 98739; Saltar Nala, 99093.

T. lisboae Stapf

Common on rocks and walls. Flowers: Aug.-Oct. Sakarpathar, 98759; Bushi, 98796; Koraifort, 99051.

GNETACEAE

Gnetum ula Brongn.

Common. Cones: Dec.-Aug. Maluste, 93219; Nandgaon, 95891; Saltar, 96091; Bushi, 97986.

OPHIOGLOSSACEAE

Ophioglossum costatum R. Br.

Rare in open area. Spikes: June-Aug. Valwan, 97992; Ambavane, 99328.

SCHIZAEACEAE

Lygodium flexuosum (Linn.) Sw.

Frequent in dense forest along stream. Sori: Dec.-Jan. Kotri, 93368.

POLYPODIACEAE

Microsorium membranaceum (Don) Ching

Common on tree trunk. Sori: July-Oct. Koraifort, 99022; Devgarh, 99364.

Pleopeltis nuda (Hook.) Ching

Occasional on tree trunk. Sori: July-Oct. Ambavane, 97996.

PTERIDACEAE

Pteris quadriaurita Retz.

Common in dense forest undergrowth. Sori: Dec.-April. Koraifort, 93283; Ambavane, 93417; Kate Pani, 96051.

P. pellucida Presl.

Occasional in dense forest undergrowth. Sori: Dec.-Mar. Saltar, 93470; Kate Pani, 95939.

LOMARIOPSIDACEAE

Bolbitis subcrenata (Hook. et Grev.) Ching

Common in dense forest undergrowth. Sori: Sept.-April. Kate Pani, 95942, 96024; Bushi, 97997.

Egenolfia asplenifolia (Bory) Fee

Frequent in Kate Pani Forest undergrowth (95947, 96023). Sori: Jan.-April.

ASPIDIACEAE

Tectaria macrodonta (Fee) Chr.

Occasional in shady moist spot. Sori: Dec.-Mar. Pandongar, 93176; Ambavane, 95912.

ATHYRIACEAE

Athyrium hohenackerianum (Kuntze) Moore

Frequent in damp shady place. Sori: July-May. INS Shivaji, 97790; Tiskari, 99324.

PARKERIACEAE

Ceratopteris thalictroides (Linn.) Brongn.

Common in harvested field in watery area. Sori: June-Aug. Atvan, 101193.

SINOPTERIDACEAE

Cheilanthes farinosa (Forsk.) Kaulf.

Frequent in moist shady area. Sori: Dec.-Feb. Pandongar, 93138; Tiskari, 96114.

MARSILEACEAE

Marsilea minuta Linn.

Seen in moist area. Sporocarps: Dec.-May. INS Shivaji, 96143, Rolla 85200, 85206.

ACKNOWLEDGEMENTS

I wish to express my thanks to the authorities of the Central National Herbarium, Calcutta; Blatter Herbarium, Bombay; Herbarium of the Royal Botanic Gardens, Kew, for permitting me to consult their herbaria. My thanks are also due to the following persons for their help in the identification of some of the plants: Dr. K. Subramanyam (Lentibulariaceae and Podostemaceae), Dr. S. K. Jain (*Indochloa clarkei*) and Shri R. V. Kammathy (Commelinaceae).