

A BOTANICAL TOUR TO THE MARBLE ROCKS, JABALPUR (M. P.)

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ABSTRACT

This paper gives an account of the vegetation and the plants occurring near about the Marble Rocks, Jabalpur (M.P.). It includes about 275 species of flowering plants which were gathered during the two collection tours. The habitat has also been mentioned.

INTRODUCTION

One of the most scenic spots in India, the Marble Rocks, is located about 20 km from Jabalpur adjoining the village Bheraghat, situated in $23^{\circ} 8'$ and $79^{\circ} 48' E$ on the bank of the river Narbada. The elevation of the plains varies from 400 to 500 metres.

CLIMATE AND RAINFALL

The climate for most part of the year is pleasant and salubrious, and Jabalpur is looked upon as one of the most desirable stations in the province. The hot weather commences usually about the middle of March and lasts until the end of June. The heat is not so intense as that of northern India. The hot winds are not so continuous and strong and the nights are comparatively cool. The rains arrive in June end and continue till the second half of September. The cold weather is delightful, the climate from November to March, is almost perfect for the life of combined outdoor exercises and indoor occupation. Though it is a little hot in sun, the nights are cold. The mean maximum and the mean minimum temperature for Jabalpur station in 1961 was $31.7^{\circ}C$ and $18.3^{\circ}C$ respectively. Rainfall for the year varied from 102 cms to 150 cms.

GEOLOGY

The attraction of Jabalpur district for the geologists, mineralogists and palaeontologists is owing to a large number of geological formations, a great variety of minerals of economic value and the interesting vertebrate and plant-remains. The geological formations found in the district belong to all major ages e.g., Archaean, Purana, Secondary, Tertiary and Quaternary.

VEGETATION

Owing to the varied geological formations found in the district, the forests are characterised by mixed types. This district is the northern limit of Teak and the western limit of the peninsular area of Sal.

Hole (1904) made some contributions to the forest flora of Jabalpur division and prepared a list of about 345 plants. These included a number of cul-

tivated trees and shrubs. Except *Bambusa arundinacea* Willd., *Dendrocalamus strictus* Nees and *Saccharum officinarum* Linn., all the grasses and sedges were excluded, also many of the herbs of the locality.

Prior to Hole, collections were also made from this area by Duthie (1889), Beddome (1814), J. Martin (1894), Graham (1913), Haines (1916) and others. Very recently a study of the hydrophytes and plants of low-lying habitats was made by Seerwani (1962). This study has yielded a list of only 88 hydrophytic plants including the discovery of two species of *Isoetes* and one species of *Drosera* from this area.

From the foregoing account it is quite clear that the descriptions available are very meagre and based on very old observations. The author paid two visits to this area, the first in Jan.-Feb. 1959, and the second in Sept.-Oct. 1959. About 500 plant specimens were gathered. These have been lodged in the herbarium of the National Botanic Gardens, Lucknow.

According to Hole (1904) the forests of Jabalpur division fall into the following three main types:

1. Sal forests
2. Teak forests
3. Mixed forests with practically no teak or sal.

Both teak and sal forests occurring in Jabalpur division are not very luxuriant in growth. They have further deteriorated due to irregular felling, unchecked forest fires and overgrazing and shifting patch cultivation and contain a large proportion of scrubby, crooked growth consisting principally of old coppice and pollard shoots.

The area surrounding the Marble Rocks consists mainly of dry deciduous type in the form of scrub jungles. The great majority of Jabalpur forests are situated on rugged hilly ground. The forests are dominated by the following tree species: *Butea monosperma* (Lamk.) Taub., *Mitragyna parvifolia* (Roxb.) Korth., *Adina cordifolia* Hook. f., *Wrightia tinctoria* R. Br., *Embllica officinalis* Gaertn., *Diospyros melanoxylon* Roxb., *Aegle marmelos* (L.)

Correa, *Ehretia laevis* Roxb., *Anogeissus latifolia* Wall., and *Lagerstroemia parviflora* Roxb.

The under growth in the forests consists of the following armed shrubs: *Maytenus senegalensis* (Lamk.) Exell., *Carissa spinarum* Linn., *Mimosa himalayana* Gamble, *Balanites aegyptiaca* (L.) Delile, *Randia dumetorum* Lamk., and *Zizyphus mauritiana* Lamk. And the unarmed shrub *Woodfordia fruticosa* (L.) Kurz is also common along with the armed shrubs.

The conspicuous climbers include: *Ventilago maderaspatana* Gaertn., *Abrus precatorius* Linn., *Cayratia carnosa* Gagnep., *Zizyphus oenophia* Mill., and *Mucuna prurita* Hook.

The open spaces in the forests are covered with *Aerva monsonia* Mart. and the following grasses: *Dichanthium annulatum* (Forsk.) Stapf, *Heteropogon contortus* (L.) Beauv., *Perotis indica* (L.) O. Ktze., *Eragrostis gangetica* Steud.

The vegetation along the bank of the river Narbada is dominated by *Tamarix ericoides* Rottl., *Eugenia heyneana* Duthie and *Vitex negundo* Linn. In the moist shady places *Canscora diffusa* (Vahl) R. Br., *Polygonum* sp., *Vitex negundo* Linn. and *Lavandula bipinnata* (Roth.) O. Ktze. are common. The hardy shrub *Rotula aquatica* Lour. is also very common all along the bank of the river.

On the sandy banks of the river the following winter weeds are common: *Argemone mexicana* Linn., *Xanthium strumarium* Linn., *Chrozophora rottileri* A. Juss., *Potentilla supina* Linn., *Solanum surattense* Burm. f.

The rainy season weeds are: *Sida acuta* Burm. f., *S. veronicaefolia* Lamk., *Triumfetta rhomboidea* Jacq., *Cassia tora* Linn., *Xanthium strumarium* Linn., *Acanthospermum hispidum* DC., *Tephrosia purpurea* (L.) Pers., *Amaranthus spinosus* Linn., *Tridax procumbens* Linn., *Boerhavia diffusa* Linn.

The following species comprise the principal avenue trees along the road from Jabalpur to the Marble Rocks: *Mangifera indica* Linn., *Tamarindus indica* Linn., *Terminalia tomentosa* Wt. & Arn., *Ficus religiosa* Linn., *F. benghalensis* Linn., *Syzygium cumini* (Linn.) Skeels, *Phoenix dactylifera* Linn. and *Acacia arabica* Willd.

A large number of small ponds and lakes are seen on the way between the Marble Rocks and Jabalpur in which the following hydrophytes grow: *Eichhornia crassipes* (Mart.) Solms., *Ottelia alismoides* Pers., *Nymphoides indicum* (L.) O. Ktze., *Jussiaea repens* Linn., *Cyperus rotundus* Linn., *Caesulia axillaris* Roxb., *Polygonum plebejum* R. Br., *Ammannia baccifera* Linn., *Rumex dentatus* Linn., *Commelina benghalensis* Linn.,

Marsilea quadrifoliata Linn., *Hygrophiza aristata* Nees, *Panicum paludosum* Roxb., *Paspalidium geminatum* (Forsk.) Stapf, *Oryza sativa* Linn., *Asteracantha longifolia* (L.) Nees and *Alternanthera sessilis* R. Br.

In the larger lakes *Trapa bispinosa* (Roxb.) is cultivated.

ENUMERATION

DICOTYLEDONS

ANNONACEAE

Annona squamosa Linn.

Naturalized near the temples.

MENISPERMACEAE

Cissampelos pareira Linn.

Very common along road-sides and in the forest, flowering.

Cocculus hirsutus (L.) Diels

Very common along road-sides and in the forest, flowering.

PAPAVERACEAE

Argemone mexicana Linn.

Naturalized along road-sides, fallow fields and in waste places, flowering.

CRUCIFERAE

Cochlearia cochlearioides (Roth.) Sant. & Mahesh.

Common in waste places, flowering.

Rorippa nasturtium Rusby

Rare.

CAPPARIDACEAE

Cleome gynandra Linn.

Common in waste places and cultivated fields, flowering.

CARYOPHYLLACEAE

Polycarpaea corymbosa Lamk.

Common on rocky places, flowering.

Polycarpon prostratum (Forsk.) Pax.

Common, flowering.

TAMARICACEAE

Tamarix ericoides Rottl.

Very common all along the bank of the river, flowering.

MALVACEAE

Abutilon indicum (Linn.) Sweet.

Common in waste places, flowering.

Hibiscus cannabinus Linn.

Cultivated for fibre, flowering.

Hibiscus lobatus (Murr.) O. Ktze.

Common under shade of bushes, flowering.

Pavonia odorata Willd.

Weed in waste places and open wood.

Salmalia malabarica (DC.) Schott. & Endl.

Common, flowering.

Sida acuta Burm. f.

A weed of waste places, flowering.

S. veronicaefolia Lamk.

Common, flowering.

Urena lobata Linn.

Rare, flowering.

STERCULIACEAE

Helicteres isora Linn.

Rare, flowering.

Sterculia urens Roxb.

Rare, flowering.

TILIACEAE

Corchorus fascicularis Lam.

Common.

Grewia flavescens Juss.

Rare.

Triumfetta rhomboidea Jacq.

Common during rainy season in waste places and in cultivated fields, flowering.

T. pentandra A. Rich.

Common in waste places.

GERANIACEAE

Biophytum sensitivum DC.

Common in open places, cultivated fields and road-sides, flowering.

RUTACEAE

Aegle marmelos (L.) Correa

Common, flowering.

Feronia limonia (L.) Swingle

Common, flowering.

Murraya paniculata (L.) Jack.

Rare, flowering.

SIMAROUBACEAE

Ailanthus excelsa Roxb.

Planted along the roads, flowering.

Balanites aegyptiaca (L.) Delile

Common in hilly tracts, flowering.

BURSERACEAE

Boswellia serrata Roxb. ex Colebr.

Common in forest, flowering.

Commiphora mukul (Hook. ex Stocks.) Engler

Rare, only one plant was collected on the bank of the river.

OLACACEAE

Olax scandens Roxb.

Rare in damp shady places and along the bank of the river, flowering.

CELASTRACEAE

Elaeodendron glaucum Pers.

Rare, flowering.

Maytenus senegalensis (Lamk.) Exell.

Common, flowering.

RHAMNACEAE

Ventilago maderaspatana Gaertn.

Common, flowering.

Zizyphus mauritiana Lamk.

Common in waste places, flowering.

Z. xylopyrus Willd.

Common.

Z. oenoplia Mill.

Common.

VITACEAE

Ampelocissus latifolia (Roxb.) Planch.

Common in the forest, flowering.

A. tomentosa (Heyne) Planch.

Common in the forest, flowering.

Cayratia carnosa Gagnep.

Common on moist soil, flowering.

Leea macrophylla Roxb.

Common in forest, flowering.

SAPINDACEAE

Cardiospermum halicacabum Linn.

Common during the rains, flowering & fruiting.

ANACARDIACEAE

Buchanania lanzan Spr.

Common, flowering.

Lannea coromandelica (Houtt.) Merr.

Common in the forest, flowering.

Mangifera indica Linn.

Planted, flowering.

MORINGACEAE

Moringa oleifera Lamk.

Planted, flowering.

PAPILIONACEAE

Abrus precatorius Linn.

Very common in cultivated and fallow fields, flowering.

Alysicarpus vaginalis DC.

Common in grass-lands, flowering.

Atylosia scarabaeoides Benth.

Very common, flowering.

Butea monosperma (Lamk.) Taub.

Common in forest, flowering.

Crotalaria prostrata Rottle.

Common in grass-lands, flowering.

Heylandia latebrosa DC.

Common in fields, flowering.

Indigofera linifolia Retz.

Common in grass-lands, flowering.

Indigofera glandulosa Willd.

Common, flowering.

I. enneaphylla Linn.

Rare, on dry gravelly soil, flowering.

I. trita Linn. f.

Rare, flowering.

Mucuna prurita Hook.

Very common in hedges and bushes, flowering.

Phaseolus trilobus Ait.

Common on the edges of cultivated fields and near river banks, flowering.

Sesbania bispinosa (Jacq.) Fawcett & Rendle

Rare, flowering.

Tephrosia purpurea (L.) Pers.

Common on dry, gravelly sandy soil and in waste places, flowering.

CAESALPINIACEAE

Bauhinia racemosa Lamk.

Common in the forest, flowering.

Cassia fistula Linn.

Planted along road-sides, flowering and fruiting.

C. tora Linn.

Very common as a weed along road-sides and waste places, flowering.

C. pumila Lamk.

Very common in the shade of trees, flowering.

Tamarindus indica Linn.

Planted along the road-sides, flowering.

MIMOSACEAE

Acacia arabica Willd.

Commonly planted along the road-sides and in fields, flowering.

A. catechu Willd.

Common, flowering.

A. leucophloea (Roxb.) Willd.

Common, flowering.

Mimosa himalayana Gamble

Common in the forest, flowering.

Pithecellobium dulce (Roxb.) Benth.

Planted as hedge around fields, flowering.

ROSACEAE

Potentilla supina Linn.

Common on the bank of the river and temporary ponds, flowering.

COMBRETACEAE

Anogeissus latifolia Wall.

Common in the forest, flowering.

A. pendula Edgew.

Common in the forest, flowering.

Combretum ovalifolium Roxb.

Common in the forest, flowering.

Terminalia arjuna (Roxb. ex DC.) Wt. & Arn.

Common along the bank of the river, flowering.

T. tomentosa Wt. & Arn.

Common, flowering.

MYRTACEAE

Eugenia heyneana Duthie

Common along the bank of the river, flowering.

Psidium guajava Linn.

Cultivated in gardens, flowering.

Syzygium cumini (Linn.) Skeels

Commonly planted along the roads, flowering.

LYTHRACEAE

Ammannia multiflora Roxb.

Common on wet, moist soil, flowering.

A. baccifera Linn.

Common in moist, sandy places, flowering.

A. salicifolia Monti

Common, flowering.

Woodfordia fruticosa (Linn.) Kurz

Common in the forest, flowering.

Lagerstroemia parviflora Roxb.

Common in the forest, flowering.

ONAGRACEAE

Jussiaea suffruticosa Linn.

Common in wet places, flowering.

J. repens Linn.

Common in ponds and lakes, flowering.

J. perennis (L.) Brenan

Common in wet places, flowering.

TRAPACEAE

Trapa natans Linn. var. **bispinosa** (Roxb.) Makino

Cultivated in lakes and ponds, flowering.

PASSIFLORACEAE

Passiflora foetida Linn.

Naturalized, flowering.

CUCURBITACEAE

Melothria indica Lam.

Rare, flowering.

FICOIDEAE

Glinus lotoides Linn.

Common in dry ponds and puddles, flowering.

Mollugo stricta L.

Common, flowering.

RUBIACEAE

Adina cordifolia Hook. f.

Common in forest, flowering.

Borreria hispida (L.) Schum.

Common in cultivated fields and waste lands, flowering.

Gardenia latifolia Ait.

Common in forest, flowering.

G. turgida Roxb.

Common, flowering.

Ixora parviflora Vahl

Common in forest, flowering.

Kohautia gracilis (Wall.) DC.

Common.

Mitragyna parvifolia (Roxb.) Korth.

Common in forest, flowering.

Oldenlandia dichotoma Hook. f.

Rare, flowering.

Randia dumetorum Lamk.

Common, flowering.

COMPOSITAE

Acanthospermum hispidum DC.

Naturalized, flowering.

Ageratum conyzoides Linn.

Common along road-sides and waste places, flowering.

Bidens biternata (Lour.) Merr. & Sherff.

Common in moist shady places, flowering.

Blumea eriantha DC.

Common.

B. jacquemontii Hook. f.

Common flowering.

Caesulia axillaris Roxb.

Common in moist places, flowering.

Centipeda minima (L.) A. Br.

Common in waste places, flowering.

Conyza japonica Less.

Common.

Cyathocline lyrata Cass.

Common in wet places, flowering.

Eclipta prostrata (L.) Linn.

Common in moist places, flowering.

Emilia sonchifolia DC.

Common, flowering.

Glossocardia bosvallea (L. f.) DC.

Common in sandy places, flowering.

Gnaphalium indicum Linn.

Common in wet and waste places, flowering.

G. pulvinatum Delile

Common on sandy ground, flowering.

Goniocaulon glabrum Cass.

Common, flowering.

Lagascea mollis Cav.

Common, flowering.

Sphaeranthus indicus Linn.

Common in wet places, flowering.

Tridax procumbens Linn.

Common in waste places and along road-sides, flowering.

Vernonia cinerea (L.) Less.

Common along the road and waste places, flowering.

Vicoa indica (Willd.) DC.

Common in fields and waste places, flowering.

Xanthium strumarium Linn.

Common in waste places, along road-sides and near habitation and often gregarious, fruiting.

SAPOTACEAE

Madhuca indica Gmel.

Common, flowering.

EBENACEAE

Diospyros melanoxylon Roxb.

Common in forest.

D. cordifolia Roxb.

Common in forest, flowering.

OLEACEAE

Nyctanthes arbor-tristis Linn.

Very common, flowering.

APOCYNACEAE

Carissa spinarum Linn.

Very common, flowering.

Wrightia tinctoria R. Br.

Common in the forest, flowering.

ASCLEPIADACEAE

Gymnema sylvestre (Retz.) Schult.

Common, flowering.

Hemidesmus indicus (L.) Schult.

Common, flowering.

Leptadenia reticulata Wt. & Arn.

Common, flowering.

LOGANIACEAE

Buddleia asiatica Lour.

Common in shady places, flowering.

GENTIANACEAE

Canscora diffusa (Vahl) R. Br.

Very common in wet places, flowering.

Enicostema verticillatum (L.) Engl.

Common in moist sandy places, flowering.

Nymphoides cristatum (Roxb.) O. Ktze.

Common near margins of tanks and lakes, flowering.

N. indicum (L.) O. Ktze.

Common near the margins of tanks or lakes, flowering.

BORAGINACEAE

Bothriospermum tenellum Fisch. & Mey.

Common in cultivated fields, flowering.

Ehretia laevis Roxb.

Common in forest, flowering.

Heliotropium ovalifolium Forsk.

Common on road-sides and waste lands, flowering.

Rotula aquatica Lour.

Very common along the margin of the river, flowering.

Trichodesma zeylanicum R. Br.

Common along road-sides and waste places, flowering.

CONVOLVULACEAE

Cuscuta reflexa Roxb.

Common in hedges of fields, flowering.

C. chinensis Lamk.

Rare.

Ipomoea reptans (L.) Poir.

Common in ponds and ditches, flowering.

I. pes-tigridis Linn.

Common in waste places, flowering.

SOLANACEAE

Datura metel Linn.

Common in waste places, flowering.

Solanum surattense Burm. f.

Common along road-sides and waste places, flowering.

S. nigrum Linn.

Common in cultivated and fallow fields, flowering.

SCROPHULARIACEAE

Lindernia parviflora (Roxb.) Haines

Common in wet places, flowering.

L. pyxidaria All.

Common in wet places, flowering.

Mazus japonicus (Thunb.) O. Ktze.

Common in wet places, flowering.

Mecardonia dianthera (Sw.) Pennell.

Naturalized in wet places, flowering.

Scoparia dulcis Linn.

Naturalized in waste places, flowering.

Striga gesnerioides (Willd.) Vatke ex Engl.

Common in grassy places, flowering.

Sutera dissecta (Del.) Walp.

Common in moist places, flowering.

Vandellia veronicaefolia Haines

Common in wet places, flowering.

V. brachiata Haines

Common in moist places, flowering.

Verbascum chinense (L.) Sant.

Common in moist shady places, flowering.

Veronica anagallis Linn.

Common in wet places, flowering.

OROBANCHACEAE

Orobanche aegyptiaca Pers.

Common in fields; parasitic on roots of cultivated plants, flowering.

PEDALIACEAE

Martynia annua Linn.

Naturalized in waste places and road-sides, flowering and fruiting.

Sesamum indicum Linn.

Cultivated, flowering.

ACANTHACEAE

Andrographis echiioides Nees

Common in dry places in the forest, flowering.

Asteracantha longifolia (L.) Nees

Common along fresh or stagnant water ditches, flowering.

Barleria prionitis Linn.

Common in waste places, flowering.

Blepharis maderaspatensis (L.) Heyne ex Roth.

Common in shady places, flowering.

Hemigraphis latebrosa Nees

Common in the forest, flowering.

Justicia diffusa Willd.

Common in fields, flowering.

Peristrophe bicalyculata (Retz.) Nees

Common in shades of trees, flowering.

Rungia repens (L.) Nees

Common in moist places near banks of rivers, flowering.

VERBENACEAE

Clerodendrum viscosum Vent.

Common in forest under-growth, in mango topes and near villages, flowering.

C. serratum Spreng.

Common in damp places, flowering.

Lantana camara Linn. var. **aculeata** (L.) Moldenke

Common in hedges and waste places, flowering.

Vitex negundo Linn.

Very common on waste lands, road-sides and bank of the river, flowering.

LABIATAE

Anisomeles indica (L.) O. Ktze.

Common in the forest, flowering.

Lavandula bipinnata (Roth.) O. Ktze.

Very common in moist shady places and along the bank of the river, flowering.

Leucas aspera Spreng.

Very common in cultivated fields and waste places, flowering.

L. stricta Benth.

Very common in cultivated fields and waste places, flowering.

L. montana Spreng.

Very common in cultivated fields and waste places, flowering.

L. cephalotes Spreng.

Common, flowering.

Nepeta hindostana (Roth.) Haines

Common, flowering.

Ocimum americanum L.

Common in waste places and along road-sides, flowering.

NYCTAGINACEAE

Boerhavia diffusa Linn.

An abundant and very common weed, flowering.

AMARANTHACEAE

Achyranthes aspera Linn.

Very common in waste places and along road-sides, flowering.

A. bidentata Bl.

Common, flowering.

Aerva monsonia Mart.

Common in open spaces in forest on sandy soil, flowering.

A. scandens Wall.

Common, flowering.

Alternanthera sessilis (Linn.) DC.

A weed in cultivated fields and waste places, also common in moist places near ponds and lakes, flowering.

A. pungens H. B. & K.

Common along road-sides and in waste places, flowering.

Amaranthus spinosus Linn.

Common weed in waste places and along road-sides, flowering.

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

Cultivated, flowering.

A. tricolor Linn.

Cultivated, flowering.

Celosia argentea Linn.

Common weed in cultivated and fallow fields, flowering.

Pupalia lappacea (Linn.) Juss.

Common in hedges of fields, flowering.

CHENOPODIACEAE

Chenopodium album Linn.

Common weed in waste places, flowering.

POLYGONACEAE

Polygonum plebeium R. Br.

Common in moist shady places, flowering.

P. serrulatum Lagasc.

Common in marshy places, flowering.

Rumex dentatus Linn.

Common in moist places, flowering.

EUPHORBIACEAE

Acalypha ciliata Forsk.

Common in waste places, flowering.

Chrozophora rotleri A. Juss.

Common in waste places and dried ponds.

Emblica officinalis Gaertn.

Common near temples, flowering.

Euphorbia neriifolia Linn.

Common.

E. granulata Forsk.

Common in dry soil of fallow fields.

E. hypericifolia Linn.

Common in fields and moist places.

Phyllanthus niruri Linn.

Common in fields, flowering.

Trewia nudiflora Linn.

Common along the bank of the river.

URTICACEAE

Ficus gibbosa Bl.

Common.

F. benghalensis Linn.

Commonly planted along the road-sides.

F. glomerata Roxb.

Common along the bank of the river.

F. religiosa Linn.

Commonly planted along the roads.

Holoptelea integrifolia (Roxb.) Planch.

Common, flowering.

Streblus asper Lour.

Rare, in hilly tracts.

MONOCOTYLEDONS

HYDROCHARITACEAE

Ottelia alismoides Pers.

Common in lakes and ponds, flowering.

DIOSCOREACEAE

Dioscorea pentaphylla Linn.

Common, flowering.

Dioscorea sp.

Rare, flowering.

PONTEDERIACEAE

Eichhornia crassipes (Mart.) Solms

Naturalized in lakes and ponds, flowering.

COMMELINACEAE

Commelina benghalensis Linn.

Common in moist shady places, flowering.

PALMAE

Phoenix sylvestris (L.) Roxb.

Planted along roads and wild in waste places.

P. dactylifera Linn.

Cultivated along road-sides.

CYPERACEAE

Cyperus rotundus Linn.**C. sanguinolentus** Vahl**Eleocharis acutangula** (Roxb.) Schult.**Lipocarpa sphacelata** (Vahl) Kunth**Rhynchospora longisetis** R. Br.**Scleria pergracilis** (Nees) Kunth

GRAMINEAE

Apluda mutica Linn.
Aristida adscensionis Linn. var. *adscensionis*
Arthraxon prionodes (Steud.) Dandy
Arundo donax Linn.
Bambusa arundinacea Willd.
Chrysopogon fulvus (Spreng.) Chiov.
Coix lacryma-jobi Linn.
Cymbopogon martinii (Roxb.) Wats.
Cynodon dactylon (Linn.) Pers.
Dactyloctenium aegyptium (Linn.) P. Beauv.
Dendrocalamus strictus Nees
Desmostachya bipinnata (Linn.) Stapf
Dichanthium annulatum (Forsk.) Stapf
D. caricosum (Linn.) A. Camus
Echinochloa colonum (Linn.) Link.
Eleusine coracana (Linn.) Gaertn.
Eragrostiella bifaria (Vahl) Bor
Eragrostis tremula Hochst.
E. unioloides (Retz.) Nees
E. coarctata Stapf
E. tenella (Linn.) P. Beauv.
E. gangetica (Roxb.) Steud
E. diarrhena (Schult.) Steud
Eulaliopsis binata (Retz.) C. E. Hubbard
Hackelochloa granularis (Linn.) O. Ktze.
Hemarthria compressa (Linn. f.) R. Br.
Heteropogon contortus (Linn.) P. Beauv.
Hygroryza aristata (Retz.) Nees
Iseilema laxum Hack.
Oplismenus burmannii (Retz.) P. Beauv.
Oryza sativa Linn.
Panicum paludosum Roxb.
Paspalidium geminatum (Forsk.) Stapf
Pennisetum pedicellatum Trin.
Perotis indica (Linn.) O. Ktze.
Saccharum officinarum Linn.
Setaria glauca (Linn.) P. Beauv.
S. tomentosa (Roxb.) Kunth
S. italica (Linn.) P. Beauv.
Sporobolus diander (Retz.) P. Beauv.

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