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# Plant diversity of 'Lachundi/Lalchandi sacred grove' of Purandar tehsil, Dist. Pune, Maharashtra, India

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#### ABSTRACT

The present study deals with plant diversity of the 'Lachundi Devi/Lalchandi devi sacred grove of Pagewadi village, Purandar tehsil belonging to Pune District. The present scared grove is not reported by any researcher till date. The total area of the sacred grove is one hectare (10,000 Sq. M.). A rivulet consisting flowing water in rainy and winter season and stagnant water in summer makes the sacred grove significant. In present scared grove we found 140 angiospermic species. These 140 species belonging to 124 genera under 49 families. Sacred grove consists mostly herbaceous species, ephemerals followed by tree species, shrubs and climbers. Among 140 species, flowering and fruiting occur throughout the year in 14 species. *Delphinium malbaricum* (Huth) Munz., *Argyria cuneata* Ker-Gawl. and *Vigna khandalensis* (Sant.) R & W. belongs to threatened category.

**Keywords:** Lachundi/Lalchandi sacred grove, Plant Diversity, Purandar tehsil, Pagewadi.

# INTRODUCTION

The sacred grove has a long and diverse history of our ancient belief in natural power and our cultural linkage with our environment. It is believed that these sacred vergin forests date back to thousands of years when human society was in a primitive state (Gadgil and Vartak 1975). The sacred grooves are the patches of forests dedicated to a local deity. They have a great significance from conservation point of view as the religious beliefs forbid cutting of the trees. Sacred groves maintain the diversity of plant forms. It was the oldest forms of respect for preserving the nature. Since the sacred groves have been maintained as natural forest, they act as a treasure house for endemic, endangered and rare plants (Bhagat, 2018). Sacred groves provide the inextricable link between present society to the past in terms of biodiversity, culture, religious and ethnic heritage (Khan *et al.*, 2008). In India, sacred groves are found almost in all states with differing numbers and areas. Around 14000 sacred groves have been reported from all over India, which act as reservoirs of rare fauna, and more often rare flora, amid rural and even urban settings. Maharashtra has 2800 sacred groves covering approximately 35,700 km<sup>2</sup> of area, most of which are located in the Western Ghats or Konkan and harbour about 800 species of plants (Deshmukh, 1999). India has a rich cultural inheritance of dedicating groves and rivers to Gods and Goddesses. The sacred grooves are the patches of forest fragments which are communally protected having great significant religious connotation for the protecting community. They have a great significance from conservation point of view as the religious beliefs forbid cutting of the trees. They exist in various sizes from small trees to a few square kilometres. They have been preserved since 2500 years, when agriculture was first introduced in the northern western ghats (Gadgil and Vartak, 1975). The sahyadri hills are well known for their magnificent views of high mountains, rugged terrain, deep ravines and rich biodiversity. The forests of Sahyadri hills are speckled with number of sacred grooves. They are the remnant's of pristine forest patches of our past, locally called as 'Dev-rahahti', or 'Devache Ban'. It has immense global significance for conservation of biodiversity (Bhagat, 2018).

One of the most important traditional uses of sacred groves was that it acted as a repository for various ayurvedic medicines. Sacred groves are scattered all over the Maharashtra state and are referred by different names in different districts. Pune district consists fourteen tehsils and each tehsil consists variable number of sacred groves.



Fig. 1: Map of India, Maharashtra, Pune district and Purandar tehsil



Fig. 2: Location showing Lahundi/Lalchandi sacred grove (Purandar tehsil, Dist. Pune, M.S., India.



Fig.3: Lachundi /Lalchandi Devi temple and surrounding area, Pagewadi Tal. Purandar, Dist. Pune., M.S., India.



Fig. 4: Lachundi/Lalchandi Devi

Sacred grove is located at Pagewadi in Purandar tehsil of Pune district, Maharashtra Fig.1 Due to the presence of sacred groves (Nishnai and Lachundi/Lalchandi) around, flora is well preserved. Among the two sacred groves present in the tahsil, one of it is named after Goddess Lachundi, located in a valley while other sacred grove is present on an elevated land, in the same zone named after Goddess, Nishnai devi. Lachundi sacred grove occupies the geographical coordinates between N 18º 15.715' to E0 74º 01. 718'. The present scared grove is not reported by any researcher till date. The total area of the sacred grove is one hectare (10,000 Sq. M.) Fig. 2. A rivulet consisting flowing water in rainy and winter season and stagnant water in summer makes the sacred grove

significant. A village Pagewadi is very close to Lachundi/Lalchandi sacred grove. The local villagers of Pagewadi have conserved the forest by avoiding cuttings of the trees.

## **MATERIALS AND METHODS**

GPS Model GARMIN 72H (Geographical Position System), Camera (SONY 20.4 Megapixels, 50X digital zoom, CORP DSC –HX300, 3.6 V, 4517842), Ecofriendly bags, Oil Paint to mark quadrats, Brush, Cloth, Rope, String, Nails, P.V.C. rods locked in a single frame of 1m X 1m size, (04), Notebook, Field Diary, Pen, Pencil, Eraser, Ruler, Paper sheets, Secateurs, Sickle, Diggers, Stick, Scale-Tape, Special Folders, Field Press, Old Newspapers /Blotting Papers, Transparent Cellophane tape, Tags, Dissecting and Compound Microscopes, Well equipped Dissection box, Big lenses, Floras, Field guide book, Herbarium sheets etc.

Visits to Lachundi sacred grove were arranged frequently from the year 2014 to 2020. The present sacred grove was visited during winter, summer as well as in monsoon season. Very common plants were collected for herbarium preparation purpose. A permission for the collection of common plant species is obtained from Maharashtra State diversity board, Nagpur office. Rare plants were photographed. Phytosociological study was also carried out for both herbaceous as well as woody vegetation, which includes percentage frequency, frequency class, relative frequency, abundance, density, relative density and Importance value index.

## **RESULTS AND DISCUSSIONS**

Among 140 angiospermic species from 124 genera under 49 families are documented from the sacred grove. Among 140 species, 118 were wild while 22 species were cultivated. Indigenous species were 97 while exotic were 43. Among 140 plant species, 118 species belongs to Dicotyledonae while 22 belongs to Monocotyledonae. The floristic data has been presented in **Table 1.** And the analysis of plant families with respect to number of species is presented in **Table 2.** Delphinium malbaricum (Huth) Munz., *Argyria cuneata* Ker-Gawl. and *Vigna khandalensis* (Sant.) R & W. belongs to threatened category.

Botanical name	Common name	Hb.	Family	Flowering			
Abrus precatorius L.	Gunj	С	Malvaceae	AugMar.			
Acacia leucophloea (Roxb.) Willd.	Hivar	Т	Mimosaceae	AugFeb.			
Acanthospermum hispidum DC.	Landga	Н	Asteraceae	AugDec.			
Achyranthes aspera L. var. porphyristachya Hook.f.	Aghara	Н	Amaranthaceae	SeptOct.			
Aegle marmelos (L.) Correa.	Bel	Т	Rutaceae	AplNov.			
Alternanthera sessilis (Linn.) DC.	Bechkusal	Н	Amaranthaceae	All			
Alysicarpus rugosus (Wild.) DC.	Chain pea	Н	Fabaceae	SeptJan.			
Alysicarpus vaginalis (Linn.) DC.	Baffalo-clover	Н	Fabaceae	OctJan.			
Anisochilus carnosus (Linn.) Wall.	Kapurli	Н	Lamiaceae	June-Nov.			
Annona reticulata L.	Ramphal	Т	Annonaceae	July-Nov.			
Annona squamosa L.	Sitaphal	Т	Annonaceae	MarAug.			
Apluda mutika L.	Tambat	Н	Poaceae	OctMay			
Argyreia cuneata Ker-Gawl.	Mahalungi	С	Convolvulaceae	SeptDec.			
Aristida funiculata Trin & Rupr.	Bhuti	Н	Poaceae	SeptDec.			
Azadirachta indica A. Juss.	Kadi-limb/Neem	Т	Meliaceae	June-Mar.			
Bauhinia racemosa Lamk.	Apta	Т	Caesalpiniaceae	AplDec			
Bauhinia variegata L.	Chamol	Т	Caesalpiniaceae	All			
Biophytum sensitivum (L.) DC.	Lajwanti	Н	Oxalidaceae	AugApl.			
Bombax ceiba L.	Silkcotton	Т	Bombacaceae	FebJune			
Bridelia retusa (L.) Spreng.	Asana	Т	Euphorbiaceae	June-Dec.			
Buchnera hispida Buch.Ham.	Karanji	Н	Scrophulariaceae	SeptJan.			
Caesulia axillaris Roxb.	Maka	Н	Asteraceae	SeptFeb.			
Carissa congesta Wt.	Karvand	S	Apocynaceae	JanMay			
Cassia tora Linn.	Takala	Н	Caesalpiniaceae	AugFeb.			
Cassia uniflora Mill. Non Spreng.		Н	Caesalpiniaceae	AugNov.			
Catunaregam spinosa (Thunb.) Tirveng.		S	Rubiaceae	Unknown			
Celosia argentea L.	Kombada	Н	Amaranthaceae	AugFeb.			

Table 1: Analysis of Plants with respect to Botanical name, Common name, Habit, Family, Flowering and Fruiting data:

#### Table 1: Continued...

Cenchruss americanus (L), Morrone.         Bandra         H         Poaceae         July-Nov.           Chronopoop fullwas (Spr.) Chorv.         Gogar         H         Poaceae         SeptDec.           Cleman Singlichol (Cambess) Hook/II. & Thoms.         Gawl-Hillwan H         Capparaceae         SeptJan.           Caccus bristus (L) Diels.         Yeasamel         C         Menispermaceae         Jan Mar.           Combretin proskolae/Vahl.         Kena         H         Commelinaceae         July-Dec.           Cardiar dichotom Forst. F.         Bhofar         T         Boraginaceae         FebJune           Crotatoria pinceo Linn.         Tag         H         Fabaceae         FebJune           Crotatoria pinceo Linn.         Tag         H         Fabaceae         AugFeb.           Crotatoria pinceo Linn.         Tag         H         Fabaceae         AugFeb.           Crotatoria pinceo Linn.         Tag         H         Asteraceae         July-Oct.           Cynotod actryno Linn.) Pers.         Harii         H         Asteraceae         July-Oct.           Cynotod actryno Linn.) Pers.         Harii         H         Asteraceae         July-Oct.           Cynotod actryno Linn.)         Kala-Ghotra         H         Space	Botanical name	Common name	Hb.	Family	Flowering		
Chrysopagen Julvas (Spr.) Chiov.         Gogar         H         Poaceae         Spr.Dec.           Clematis bergund MA.Rau.         Ranjail         C         Rananculaceae         Spr.L-Jan.           Clematis bergund MA.Rau.         Kananculaceae         Spr.L-Apl.         Capparaceae         Spr.L-Apl.           Construction Indicum (L.) C. C. H. Jongkind         Madhu-malti         C         Combretum indicum (L.) C. C. H. Jongkind         Mathu-malti         C           Condition Choloma Forst. F.         BhoKar         T         Boraginaceae         FebJune           Cortolarics pa         H         Fabaceae         FebJune         Crotolarics pa         H         Fabaceae         All           Crotolarics pa         H         Fabaceae         All         Cucumis moderospatoms L.         Colinati         H         Pabaceae         All           Cypatolisib kuchonani Roem. EL Scult.         Stakadevi         H         Asteraceae         All         Cypatolisib kuchonani Roem. EL Scult.         Stakadevi         H         Poaceae         AugRov.           Cymatis moderospatoms L.         Scult. F.         Nabhali         H         Poaceae         AugRov.           Constrictina medipatic long Nucl. F.         Nabhali         H         Poaceae         AugRov. </td <td>Cenchrus americanus (L.) Morrone.</td> <td>Bandra</td> <td>Н</td> <td>Poaceae</td> <td colspan="3">July-Nov.</td>	Cenchrus americanus (L.) Morrone.	Bandra	Н	Poaceae	July-Nov.		
Clements heynel MA.Rau.         Ranjai         C         Ranaculaceae         SeptJan.           Cecemes simplicipia (Cambes), Hook fil, & Thoms.         Gawt-Hilwan         H         Capparaceae         SeptApl.           Contretum indum (L), C. C. H. Jongkind         Madhu-malti         C         Combretum induction         Nar.           Control induction         Forskinder (Vahl.         Enholar         H         Compretum induction         Forskinder (Vahl.           Contain in helecorpo (DC.) Rud.         Godhail         H         Fabaceae         AugFeb.           Crotabric helecorpo (DC.) Rud.         Godhail         H         Fabaceae         Nov.Jan.           Crotabric junce Linn.         Tag         H         Fabaceae         Nov.Jan.           Crynothilum cincerum (L) H. Rob.         Sahadevi         H         Cucurbitscaee         July-Oct.           Cymoth doctyn (L) H. Rob.         Sahadevi         H         Asteraceae         July-Oct.           Cymoth doctyn (L) H. Rob.         Sahadevi         H         Paaceae         AugFeb.           Datry oter (Linn.         Kala-Hotra         H         Solanaceae         AugFeb.           Datry oter (Linn.         Kala-Hotra         H         Poaceae         SoglPec.           Deth	Chrysopogon fulvus (Spr.) Chiov.	Gogar	Н	Poaceae	SeptDec.		
Cleam simplicifying (Cambess.) Hook fil. & Thoms.         Gawti-tilwan         H         Capparaceae         Sent-Apl.           Cordus bravus (L) Dels.         Vasamuel         C         Menispermaceae         JanMar.           Combretum indicum (L) C. C. H. Jongkind         Madhu-malti         C         Commetina forsis Associations         JanMar.           Cardia dichotom Forst. F.         Bholart         T         Boraginaceae         FebJune           Cortatior becargo (D.C.) Rud.         Godhadi         H         Fabaceae         RebJune           Cortatior juncea Linn.         Tag         H         Fabaceae         NotJune           Cortatior juncea Linn.         Tag         H         Fabaceae         Aul           Cucumis maderaspatanus L         Chirati         H         Cucumiscaeae         All           Cupontalium cineerum (L) H. Rob.         Sahadevi         H         Asteraeae         AugRov.           Oparticins Statu (Linn) Schult F.         Nahahaii         H         Coumelinaceae         July-Oct.           Oparticins Statu (Linn) Schult F.         Nahahaii         H         Roamaee         SagNov.           Datar metei Unn.         Kala-dhotra         H         Salanaceae         SagtNov.           Datar metei Unn.	Clematis heynei M.A.Rau.	Ranjai	С	Rananculaceae	Sept Jan.		
Conclus hirsutus (L.) Dels.         Vasanvel         C         Menspermaceae         Jan. Mar.           Combretum inductum (L.) C. C. H. Jongkind         Kena         H         Commetinaceae         July-Dec.           Cardia dichatoma forsshole(Vahl.         Kena         H         Fabaccae         Feb. June           Cardiar dichatoma forsshole(Vahl.         Godhadi         H         Fabaccae         Aug. Feb.           Catolaria helecarpo (DC.) Rud.         Godhadi         H         Fabaccae         Nov. Jan.           Catolaria helecarpo (DC.) Rud.         Catolaria helecarpo (DC.) Rud.         Catolaria helecarpo (DC.) Rud.         Catolaria helecarpo (DC.) Rud.         Catolaria helecarpo (DC.) Aug. July-Oct.           Cryatolaria press         L.         Chirati         H         Fabaccae         Nov. Jan.           Cynothicristica (Linn.) Schult, F.         Nabhali         H         Ocurobicareae         July-Oct.           Cynothicristica (Linn.) Schult, F.         Nabhalii         H         Commetinaceae         July-Feb.           Datergia Intigharia (Horth) Murz.         Nila-Bohani         H         Rananculaceae         Sug. Feb.           Datergia Intigharia (Horth) Murz.         Nila-Bohani         H         Rananculaceae         Sug. Feb.           Datergia Intigharia (Kons)         St	Cleome simplicifolia (Cambess.) Hook.fil. & Thoms.	Gawti-tilwan	Н	Capparaceae	SeptApl.		
Combine Gravitation (L.) C. H. Jongkind         Madhu-malti         C.         Commentation Gravitation (L.) (L. C. H. Jongkind)           Cordia dichotoma Forst, F.         Bhokar         T         Boraginaceae         Feblune           Cordia dichotoma Forst, F.         Bhokar         T         Boraginaceae         Feblune           Cortolaria hebecarpa (DC.) Rudd.         Godhadi         H         Fabaceae         Feblune           Cortolaria gravitation (L.)         Tag         H         Fabaceae         NovJan.           Cortolaria gravitation (L.)         Stakarii         C         Acslepiadaceae         All           Curvationis maderospatanus L.         Chirati         H         Pasceae         AugNov.           Cynatolis cristata (Linn.) Schult, F.         Nabhali         H         Poaceae         AugNov.           Gardyoterium aceypatrum (L.) Willd.         Nabhali         H         Poaceae         JagNov.           Dataryoterium aceypatrum (L.) Willd.         Nabhali         H         Poaceae         SugNov.           Delphnium molebaricum (Huth) Munz.         Nilambari         H         Ranceae         AugNov.           Dichotatum acricossm (Lunn.) Carws.         Jetare         H         Poaceae         AugDec.           Digitario bocan	Cocculus hirsutus (L.) Diels.	Vasanvel	С	Menispermaceae	Jan Mar.		
Commelina forskaleei Vahl.         Kena         H         Commelinaceae         July-Dec.           Cortalario hebecarpo (DC.) Rudd.         Godhadi         H         Fabaceae         AugFeb.           Crotalario sp         H         Fabaceae         NovJan.         Crotalario sp           Crotalario junceo Linn.         Tag         H         Fabaceae         NovJan.           Cryptologis buchonani Roem. Et. Scult.         Setakarii         C         Acceptadeae         NovJan.           Cymoton doctyron (Linn.) Pers.         Harii         H         Poaceae         AugRov.           Cymoton doctyron (Linn.) Schutt. F.         Nabhalii         H         Poaceae         AugRov.           Dactyloctenium oegypticum (L.) Wild.         H         Pacaceae         June-Nov.           Datergio latifolio Roxb.         Pendgul         T         Fabaceae         JanRov.           Dichonium annulatum (Forsk.) Stapf.         Marvel         H         Poaceae         AugRov.           Dichonium annulatum (Forsk.) Stapf.         Marvel         H         Poaceae         AugPec.           Dichonium ancideoricum (Huth) Munz.         Nialambari         H         Poaceae         AugPec.           Dichonium ancideoricum (Huth) Munz.         Nimosaceae	Combretum indicum (L.) C. C. H. Jongkind	Madhu-malti	С	Combretaceae	All		
Cordia dichotome Forst. F.         Bhokar         T         Boraginaceae         Feb.June           Cotatoria hebecarpa (DC.) Rudd.         Godhadi         H         Fabaceae         AugFeb.           Cotatoria juncea Linn.         Tag         H         Fabaceae         Feb.June           Cotatoria juncea Linn.         Tag         H         Fabaceae         AugFeb.           Cortatioria juncea Linn.         Tag         H         Fabaceae         AugFeb.           Cynatolia micreum (L) H. Rob.         Schadevi         H         Asteraseae         All           Cynatolia micreum (L) H. Rob.         Schadevi         H         Asteraseae         AugNov.           Cynator dia dichotona decrylon (Linn.) Pers.         H Harli         H         Poaceae         AugRov.           Cynatis risistra (Linn.) Schult. F.         Nabhali         H         Commelinaceae         June-Nov.           Datatra metel Linn.         Kala-dhotra         H         Solanceae         AugRov.           Dichantium malabaricrum (Linth) Munz.         Nilambari         H         Roaceae         OctMar.           Dichantium analabaric (Linn.)         Start.         Velatur         S         Mimosaceae         OctMar.           Dichantium analabaric (Linn.)	Commelina forsskalaei Vahl.	Kena	Н	Commelinaceae	July-Dec.		
Crotataria pecconstructional di constructionali di constructi di constructionali di constructi di construtti di di di di constructi di di constructi di di constr	Cordia dichotoma Forst. F.	Bhokar	Т	Boraginaceae	FebJune		
Crotalaria sp.       H       Fabaceae       FebJune         Crotalaria juncea Linn.       Tag       H       Fabaceae       NovJan.         Cryptoleips buchanani Roem. Et. Scult.       Setakarli       C       Asclepiadaceae       All         Curumis maderaspatonus L.       Chirati       H       Curumitaceae       All         Cynatolium incerum (L) H. Rob.       Sahadevi       H       Asteraceae       All         Cynatolium incerum (L) H. Rob.       Sahadevi       H       Asteraceae       All         Cynatolium incerum (L) Willd.       Pendgul       H       Poaceae       AugRov.         Dattyra metel lunn.       Kala-dhotra       H       Solanaceae       SeptDec.         Dichnatium analabaricum (Huth) Munz.       Nilambari       H       Roaceae       AugRov.         Dichnatium annalabaricum (Huth) Munz.       Nilambari       H       Roaceae       SeptDec.         Dichnatium annalabaricum (Huth) Munz.       Nilambari       H       Poaceae       SeptDec.         Dichnatium annalabaricum (Huth) Munz.       Nilambari       H       Roaceae       AugPoe.         Dichnatium annalatum (Forsk.) Stapf.       Mari       Poaceae       AugPoe.       AugSeptDec.         Digitario biocnis (Lam)	Crotalaria hebecarpa (DC.) Rudd.	Godhadi	н	Fabaceae	AugFeb.		
Crottalraj juncea Linn.         Tag.         H         Fabaceae         NovJan.           Cryptolepis buchnami Roem. EL. Scult.         Setakarli         C         Asclepiadaceae         All           Curumis maderiaspatanus L.         Chirati         H         Cucurbitaceae         July-Oct.           Cynadin dactylon (Linn.) Pers.         Harli         H         Poaceae         AugNov.           Opathylosi cristata (Linn.) Schult. F.         Nabhali         H         Commelinaceae         June-Nov.           Dathylosi cristata (Linn.) Schult. F.         Nabhali         H         Poaceae         AugFeb.           Datura metel Linn.         Datura metel Linn.         Kala-dhotra         H         Solanaceae         SeptDec.           Dichontium annuktum (Forsk.) Stapf.         Marvel         H         Poaceae         OctMar.           Dichontium circisum (Linn.) Camus.         Jetare         H         Poaceae         AugDec.           Dipitorina bicarnis (Lan.) R &S EX.Loud.         M         H         Poaceae         AugDec.           Dipitorina bicarnis (Lan.) R &S EX.Loud.         M         H         Poaceae         AugDec.           Dipitorita bicarnis (Lan.) Link.         Samak         H         Poaceae         AugFeb. <t< td=""><td>Crotalaria sp</td><td></td><td>Н</td><td>Fabaceae</td><td>FebJune</td></t<>	Crotalaria sp		Н	Fabaceae	FebJune		
Cryptolepis buchanani Roem. Et. Scult.         Setakarli         C         Asclepiadaceae         All           Cucumis maderaspatanus L.         Chirati         H         Cucumbtaceae         July-Oct.           Cynnthilum. Inerreum (L.) H. Rob.         Sahadevi         H         Ascreaceae         All           Cynato dartylon (Linn.) Pers.         Harli         H         Poaceae         AugNov.           Cynotis cristora (Linn.) Schult. F.         Nabhali         H         Poaceae         July-Oct.           Daibrogia tatifolio Roxb.         Pendgul         T         Fabaceae         JanFeb.           Datura metel Linn.         Kala-dhotra         H         Solanaceae         OctMar.           Dichontium analudum (Forsk). Stapf.         Marvel         H         Poaceae         AugNov.           Dichorotina manulutum (Forsk). Stapf.         Marvel         H         Poaceae         AugDec.           Dipitorio bicornis (Lam.) R & St.Loud.         Larar         H         Poaceae         AugSept.           Discorea bubbfero Linn.         Karanda         C         Discoreacea         AugSept.           Dipitorio bicornis (Lam.) R & St.Loud.         Larar         H         Poaceae         AugSept.           Dipitorio bicornis (Lam.) R & St.Loud. </td <td>Crotalaria juncea Linn.</td> <td>Тад</td> <td>н</td> <td>Fabaceae</td> <td>NovJan.</td>	Crotalaria juncea Linn.	Тад	н	Fabaceae	NovJan.		
Cucumis maderaspatonus L.         Chirati         H         Cucurbitaceae         July-Oct.           Cynadin dactyoln (Linn.) Pers.         Harli         H         Asteraceae         All           Cynadin dactyoln (Linn.) Schult. F.         Nabhali         H         Poaceae         AugNov.           Dathycis cristota (Linn.) Schult. F.         Nabhali         H         Poaceae         AugNov.           Dathycis cristota (Linn.) Schult. F.         Nabhali         H         Poaceae         JunFeb.           Dathycis cristota (Linn.) Schult. F.         Nabhali         H         Poaceae         JunFeb.           Datum meter Unn.         Kala-dhotra         H         Solanaceae         SeptDec.           Dichontum annulctum (Forsk.) Stapf.         Marvel         H         Poaceae         OctMar.           Dichontum annulctum (Forsk.) Stapf.         Marvel         H         Poaceae         AugNov.           Discore a bulbifera Linn.         Karanda         C         Discoreaea         AugNov.           Discore a bulbifera Linn.         Karanda         C         Discoreaea         AugNov.           Discore a bulbifera Linn.         Karanda         C         Discoreaea         AugNov.           Disocrea bulbifera Linn.         Karanda <td>Cryptolepis buchanani Roem, Et. Scult.</td> <td>Setakarli</td> <td>С</td> <td>Asclepiadaceae</td> <td>All</td>	Cryptolepis buchanani Roem, Et. Scult.	Setakarli	С	Asclepiadaceae	All		
Cyanthilium cinereum (L) H. Rob.         Sahadevi         H         Asteraceae         All           Cynoto doctylon (Linn, Pers.         Haril         H         Poaceae         AugNov.           Cynotic cristica (Linn, Schult, F.         Nabhali         H         Commelinaceae         June-Nov.           Dathergia bulfyloi Roxb.         Pendgul         T         Fabaceae         JanFeb.           Datura metel Linn.         Kala-dhotra         H         Solanaceae         SeptDec.           Dethninum malaburi (Forsk.) Stapf.         Marvel         H         Poaceae         AugNov.           Dichontium caricosum (Linn.) Camus.         Jetare         H         Poaceae         AugDec.           Digitorio bicorris (Lam.) R &S EX.Loud.         Karanda         C         Discoreaeae         AugDec.           Digitorio binatus (L.) Heffrey         Shiviing         C         Curubitaceae         AugSept.           Drage volubilis (LF.)Stapf.         Abri         S         Asclepiadaceae         AugMar.           Diplacyclos plantus (L.) Heffrey         Shiving         C         Curubitaceae         AugMar.           Diplacyclos plantus (L.) Heffrey         Shiving         C         Curubitaceae         AugMar.           Diplacyclos plantus (L.) Hef	Cucumis maderaspatanus L.	Chirati	Н	Cucurbitaceae	Julv-Oct.		
Cymodon dactylon (Lim.) Pers.       Harli       H       Poaceae       AugNov.         Cymotis cristata (Linn.) Schult F.       Nabhali       H       Commelinaceae       June-Nov.         Dattrjots cristata (Linn.) Schult F.       Nabhali       H       Poaceae       June-Nov.         Dattrjots cristata (Linn.)       Kala-dhotra       H       Solanaceae       SeptDec.         Delphinium molabaricum (Huth) Munz.       Nilambari       H       Rananculaceae       AugNov.         Dichnotium annuictum (Forsk.) Stapf.       Marvel       H       Poaceae       SeptDec.         Dichnotium annuictum (Forsk.) Stapf.       Marvel       H       Poaceae       SeptDec.         Dichnotium annuictum (Forsk.) Stapf.       Abri       S       Mimosaceae       AugDec.         Dichorstachys cincrea (L.) Wight & Arn.       Velatur       S       Mimosaceae       AugDec.         Diplocyclos palmotus (L.) Heffrey       Shiviling       C       Cucurbitaceae       AugSept.         Dirage avalubiis (L.F.) Stapf.       Abri       S       Asciepiadaceae       AugFeb.         Echinchioa colona (Linn.) Link.       Samak       H       Poaceae       AugFeb.         Echinchioa colona (Linn.) Link.       Samak       H       Poaceae	Cvanthillium cinereum (L.) H. Rob.	Sahadevi	н	Asteraceae	All		
Dynois cristrat (Linn.) Schult. F.         Nabhali         H         Commelinaceae         June-Nov.           Dactyloctenium aegypticum (L.) Willd.         H         H         Pendgul         H         Peaceae         June-Nov.           Dabergia latificiila Roxb.         Pendgul         H         Paceaee         JanFeb.           Datura metel Linn.         Kala-dhotra         H         Solanaceae         SeptDec.           Delphninum malabaricum (Huth) Munz.         Nilambari         H         Raaceae         AugNov.           Dichontium annulatum (Forsk.) Stapf.         Marvel         H         Poaceae         SeptDec.           Dichorotium annulatum (Forsk.) Stapf.         Marvel         H         Poaceae         AugDec.           Dichorotium acincosum (Linn.) Camus.         Jetare         H         Poaceae         AugDec.           Dichorotium acincosum (Linn.) Camus.         Jetare         H         Poaceae         AugDec.           Diplocyclos palmatus (L.) Heffrey         Shiviling         C         Discoreaceae         July-Mar.           Diplocyclos palmatus (L.) Heffrey         Shiviling         C         Sacepladaceae         AplFeb.           Echinops echinatus Roxb.         Utanti         H         Poaceae         AugFeb. <td>Cynodon dactylon (Linn ) Pers</td> <td>Harli</td> <td>н</td> <td>Poaceae</td> <td></td>	Cynodon dactylon (Linn ) Pers	Harli	н	Poaceae			
Dactyloctenium aegypticum (L) Willd.         Intervent         H         Pendgul         T         Fabaceae         JanFeb.           Datter antet Linn.         Kala-dhotra         H         Solanaceae         SeptDec.           Detphinium malbaricum (Huth) Murz.         Nilambari         H         Rananculaceae         AugFeb.           Dichntium annulatum (Forsk.) Stapf.         Marvel         H         Poaceae         OctMar.           Dichntium caricosum (Linn.) Camus.         Jetare         H         Poaceae         AugDec.           Diptorio bicornis (Lan.) R& SE XL.Oud.         H         Poaceae         AugDec.           Diptorio bicornis (Lan.) R& SE XL.Oud.         Karanda         C         Discoreaceae         July-Mar.           Diptorio bicornis (Lan.) R& SE XL.Oud.         Karanda         C         Discoreaceae         AugSept.           Dirage volubilis (L- J)stapf.         Abri         S         Ascelpiadaceae         AugFeb.           Echinops echinatus Roxb.         Utanti         H         Poaceae         AugFeb.           Echinops echinatus Roxb.         Neelgiri         T         Myraceae         AugFeb.           Euraphytic globosus Labill.         Neelgiri         T         Moraceae         AugFeb. <t< td=""><td>Cynotis cristata (Linn.) Schult, F.</td><td>Nabhali</td><td>н</td><td>Commelinaceae</td><td>June-Nov.</td></t<>	Cynotis cristata (Linn.) Schult, F.	Nabhali	н	Commelinaceae	June-Nov.		
Detrogia datifolia Roxb.       Pendgul       T       Fabaccee       Jan. Feb.         Dabtergia tatifolia Roxb.       Pendgul       T       Fabaccee       Jan. Feb.         Datura metel Linn.       Kala-dhotra       H       Solanaceae       Sept. Dec.         Dichantium annulatum (Forsk.) Stapf.       Marvel       H       Poaceae       OctMar.         Dichantium caricosum (Linn.) Camus.       Jetare       H       Poaceae       Sept. Dec.         Dipicrotics formany (Kam.) R & SEX.Loud.       H       Poaceae       AugDec.         Dipicorcios solimatus (L.) Heffrey       Shivling       C       Cucurbitaceae       AugDec.         Dipicorcios painatus (L.) Heffrey       Shivling       C       Cucurbitaceae       AplFeb.         Echinchioa colona (Linn.) Link.       Samak       H       Poaceae       AugMay.         Ergarosits inlanensis (All.) Link.       Utanti       H       Asteraceae       SeptJan.         Ergarosits unioloides (Retz.) Nees.       Chinandara       H       Poaceae       AugFeb.         Euclarybus globosus Labill.       Neelgiri       T       Myrtaceae       AplSept.         Eughorbia Intro Linn.       Dudhi       H       Euphorbiaceae       AplJune         Ficus ampla	Dactyloctenium gegynticum (L) Willd	Habilan	н	Poaceae	Aug-Feb		
Dotatura metel Linn.CatagatriaIDotaceDetatura metel Linn.Kala-dhortaHSolanaceaeSeptDec.Delphinium malabaricum (Huth) Munz.NilambariHRananculaceaeAugNov.Dichantium anulatum (Forsk.) Stapf.MarvelHPoaceaeOctMar.Dichantium caricosum (Linn.) Camus.JetareHPoaceaeAugDec.Dipitaria bicomis (Lam.) R& SE XL.oud.HHPoaceaeAugDec.Dipitaria bicomis (Lam.) R& SE XL.oud.HHPoaceaeAugSept.Dioscorea bulbifera Linn.KarandaCDiscoreaceaeAugSept.Dioscorea bulbifis (L.F.)Stapf.AbriSAsclepiadaceaeAplFeb.Echinchoa colona (Linn.) Link.SamakHPoaceaeAugFeb.Ergorostis Cilianensis (Rul.) Link.UtantiHAsteraceaeSeptJan.Ergorostis Cilianensis (Rul.) Link.ChimandaraHPoaceaeAugFeb.Ergorostis Cilianensis (Rul.) Link.NeelgiriTMyrtaceaeOctMayErgorostis Cilianensis (Rul.) Link.NeelgiriTMyrtaceaeOctMayErgorostis Cilianensis (Rul.) Link.NeelgiriTMyrtaceaeAugFeb.Euphorbia Ingularia Roxb.SabarkandiSEuphorbiaceaeNovApl.Ficus amplissima Sm.PayerTMoraceaeAplSept.Ficus amplissima Sm.PayerTMoraceaeAplSept.Ficus angliaens Sinn.PayerTMoraceae	Dalberaja latifolia Boxh	Pendgul	т	Fahaceae	Jan -Feh		
Delphinium maiobaricum (Huth) Munz.         Nilambari         H         Bananculaceae         Aug. Nov.           Dichantium annulatum (Forsk.) Stapf.         Marvel         H         Poaceae         OctMar.           Dichantium caricosum (Linn.) Camus.         Jetare         H         Poaceae         OctMar.           Dichorstachys cinerea (L.) Wight & Arn.         Velatur         S         Mimosaceae         AugDec.           Digitoria bicorris (Lam.) R & SEX.Loud.         H         Poaceae         AugDec.         Digitoria bicorrea cublifera Linn.         Karanda         C         Discoreaceae         July-Mar.           Diplocyclos palmatus (L.) Heffrey         Shiving         C         Cucurbitaceae         AugSept.           Drage valubilis (L)Stapf.         Abri         S         Asclepiadaceae         AugSept.           Echinops echinatus Roxb.         Utanti         H         Asteraceae         SeptJan.           Eragrostis unioloides (Retz.) Nees.         Chimandara         H         Poaceae         AugFeb.           Eucalyptus globosus Labili.         Neelgiri         T         Myrtaceae         OctMay           Euphorbia initru tinn.         Dudhi         H         Euphorbiaceae         NovApl.           Ficus amplisima Sm.         Payer	Datura metel Linn	Kala-dhotra	н	Solanaceae	Sent -Dec		
Decknitikani manulatum (Forsk.) Stapf.       Marvel       H       Poaceae       Oct-Nar.         Dichantium annulatum (Forsk.) Stapf.       Marvel       H       Poaceae       SeptDec.         Dichnatium annulatum (Forsk.) Stapf.       Marvel       H       Poaceae       AugDec.         Dichrostachys cinerea (L) Wight & Arn.       Velatur       S       Mimosaceae       AugDec.         Discoraco bubbifera Linn.       Karanda       C       Discoraceae       July-Mar.         Diplocyclos palmatus (L.) Heffrey       Shiviling       C       Cucurbitaceae       AugSept.         Diraga volubilis (L.F.)Stapf.       Abri       S       Asteraceae       July-Feb.         Echinotas colana (Linn.) Link.       Samak       H       Poaceae       AugMay         Eragrostis cilianensis (All.) Link.       Samak       H       Poaceae       AugMay         Eragrostis cilianensis (All.) Link.       Neelgiri       T       Myrtaceae       OctMay         Euchytosi globosus Labill.       Neelgiri       T       Myrtaceae       AugFeb.         Euchytosi globosus Labill.       Neelgiri       T       Myrtaceae       AplSept.         Ficus amglisosi non.       Payer       T       Moraceae       AplJune	Delphinium malabaricum (Huth) Munz	Nilambari	н	Bananculaceae	Aug - Nov		
Dicknitulari (Unitation) (Caruss)       Jetare       H       Poaceae       Set/-Dec.         Dicknotium caricosum (Linn) Caruss.       Jetare       H       Poaceae       Set/-Dec.         Diptaria bicomis (Lam.) R & St.Loud.       H       Poaceae       AugDec.         Diptaria bicomis (Lam.) R & St.Loud.       H       Poaceae       July-Mar.         Diptaria bicomis (Lam.) R & St.Loud.       Karanda       C       Discorea bulbfera Linn.       Karanda         Diptaria bicomis (Lam.) Link.       Samak       H       Poaceae       July-Feb.         Echinchloa colona (Linn.) Link.       Samak       H       Poaceae       July-Feb.         Echinchloa colona (Linn.) Link.       Samak       H       Poaceae       AugMay         Erogrostis unioloides (Retz.) Nees.       Chimandara       H       Poaceae       AugFeb.         Eucloptus globosus Labili.       Neelgiri       T       Myrtaceae       OutMay         Euphorbia Ingularia Roxb.       Sabarkandi       S       Euphorbiaceae       NovApl.         Ficus anghlaenisis Linn.       Wad       T       Moraceae       AplSept.         Ficus anghlaenisis King.       Kadak-payer       T       Moraceae       AplSept.         Ficus anghlaenisis King. <t< td=""><td>Dispantium annulatum (Forsk.) Stanf</td><td>Maryol</td><td>н</td><td>Poaceae</td><td>Aug Nov.</td></t<>	Dispantium annulatum (Forsk.) Stanf	Maryol	н	Poaceae	Aug Nov.		
Dicknistani Curini Vanitos       Jelaie       H       Protesee       Jelai-Dec.         Digitaria bicomis (Lam.) R &S EX.Loud.       H       Poaceae       AugDec.         Digitaria bicomis (Lam.) R &S EX.Loud.       H       Poaceae       AugDec.         Digitaria bicomis (Lam.) R &S EX.Loud.       H       Poaceae       AugDec.         Diagocio Salmatus (L.) Heffrey       Shiviing       C       Cucurbitaceae       AugSept.         Dragea volubilis (L.F.)Stapf.       Abri       S       Asclepiadaceae       AplFeb.         Echinops chinatus Roxb.       Uttanti       H       Asclepiadaceae       AplFeb.         Echinops chinatus Roxb.       Uttanti       H       Asclepiadaceae       AugMay         Eragrostis cilianensis (All.) Link.       Samada       H       Poaceae       AugMay         Eragrostis cultaria Roxb.       Sabarkandi       S       Euphorbialaceae       July-Oec.         Euphorbia hird Linn.       Dudhi       H       Euphorbiaceae       NovApl.         Ficus anottiana var. courtallensis King.       Kadak-payer       T       Moraceae       AplSept.         Ficus anottiana var. courtallensis King.       Kadak payer       T       Moraceae       AplJune         Ficus anottaria (Sa (Smr., fii	Dichantium annualum (FOISK.) Stapi.	lotaro		Poaceae	Sont Doc		
Dicknostichys Chierde (L) Wigne & Arin.         Veratur         S         Minibactede         AugDec.           Digitaria bicornis (Lam.)         R & SE X.Loud.         H         Poaceae         AugDec.           Diplocoris (Lam.)         R & SE X.Loud.         H         Poaceae         AugDec.           Diplocyclos palmatus (L.) Heffrey         Shiviing         C         Cucurbitaceae         AugSept.           Drageo volubilis (L.F.)Stapf.         Abri         S         Asclepiadaceae         AplFeb.           Echinchloa colona (Linn.) Link.         Samak         H         Poaceae         AugMay           Eragrostis cilianensis (All.) Link.         H         Poaceae         AugMay           Eragrostis cilianensis (All.) Link.         H         Poaceae         AugMay           Eragrostis cilianensis (All.) Link.         Neelgiri         T         Myraceae         OctMay           Euphorbia hirta Linn.         Dudhi         H         Euphorbiaceae         July-Oec.         Euphorbiaceae         AplSept.           Ficus amplaisima Sm.         Payer         T         Moraceae         AplSept.         Ficus arnottiana var. courtallensis King.         Kadak-payer         T         Moraceae         AplJune           Ficus arnottiana var. courtallensis King.	Dichandulum cancosum (Linn.) Camus.	Jeldre		POACEAE	SeptDec.		
Digitaria bicontis (Lam.) Ras Exclude.       H       Podecae       AugDec.         Dioscorea bubbilera Linn.       Karanda       C       Discoreaceae       AugSept.         Diplocyclos palmatus (L.) Heffrey       Shivling       C       Cucurbitaceae       AugSept.         Dragee volubilis (L.F.)Stapf.       Abri       S       Asclepiadaceae       AplFeb.         Echinchioa colona (Linn.) Link.       Samak       H       Poaceae       July-Feb.         Echinchioa colona (Linn.) Link.       Linan.       H       Poaceae       AugFeb.         Eragrostis culloneitis (All.) Link.       H       Poaceae       AugFeb.         Eucalyptus globosus Labill.       Neelgiri       T       Myrtaceae       OctMay         Eughorbia hirta Linn.       Dudhi       H       Euphorbiaceae       NovApl.         Ficus anglissima Sm.       Payer       T       Moraceae       AplSept.         Ficus anglissima Sm.       Payer       T       Moraceae       AplSept.         Ficus arguissi Linn.       Wad       T       Moraceae       AplSept.         Ficus arglissina Sm.       Payer       T       Moraceae       AplSept.         Ficus arglissina Su.       Kadak-payer       T       Moraceae	Dichrostachys cinerea (L.) Wight & Arn.	velatur	3	Nimosaceae	AugDec.		
Disborgeo palmatus (L.) Heffrey       Shiving       C       Disborgeo palmatus (L.) Heffrey         Dragea volubilis (L.F.)Stapf.       Abri       S       Asclepiadaceae       AplFeb.         Echinchia colona (Linn.) Link.       Samak       H       Poaceae       July-Feb.         Echinops echinatus Roxb.       Utanti       H       Asteraceae       SeptJan.         Eragrostis cilianensis (All.) Link.       H       Poaceae       AugMay         Eragrostis cilianensis (All.) Link.       H       Poaceae       AugMay         Eragrostis cilianensis (All.) Link.       Nelegiri       T       Myrtaceae       OctMay         Euphorbia Initra Linn.       Dudhi       H       Euphorbiaceae       July-Dec.         Euphorbia Ingularia Roxb.       Sabarkandi       S       Euphorbiaceae       NovApl.         Ficus amplissima Sm.       Payer       T       Moraceae       AplSept.         Ficus amplatensis Linn.       Wad       T       Moraceae       AplJune         Ficus anghalensis Linn.       Wad       T       Moraceae       AplJune         Ficus anghalensis Linn.       Wad       T       Moraceae       AplJune         Ficus anghalensis Linn.       Wad       T       Moraceae	Digitaria bicorriis (Lam.) R &S EX.Loud.	Kananda	П	PUACEAE	AugDec.		
Diplocyclos paimatus (L.) HerreySnivingCCulturoitaceaeAugSept.Drage volubilis (L.F.) Stapf.AbriSAsclepiadaceaeAplFeb.Echinchloa colona (Linn.) Link.SamakHPoaceaeJuly-Feb.Eragrostis cilianensis (All.) Link.IHPoaceaeAugMayEragrostis unioloides (Retz.) Nees.ChimandaraHPoaceaeAugFeb.Euchorptus globosus Labill.NeelgiriTMyrtaceaeOctMayEuphorbia lingularia Roxb.SabarkandiSEuphorbiaceaeNovApl.Ficus amplissima Sm.PayerTMoraceaeAplSept.Ficus amplissima Sm.PayerTMoraceaeAplJuneFicus arottiana var. courtallensis King.Kadak-payerTMoraceaeAplJuneFicus arottiana var. courtallensis King.Kadak-payerTMoraceaeAplJuneFicus religioso Linn.WadTMoraceaeAplJuneFicus religioso Linn.Merr.BhenkalSFlacourtiaceaeIanJulyGivotia moluccand (L) Sreem.AkrotTTTilaceaeAugPec.Grewia asiatica LPhalsiTTilaceaeAplJuneGivotia moluccand (Linn.f.) DC.PatharsuvaHAsteraceaeSeptPec.Gymnosporia emarginata (Willd.) Thw.HekelSCelastraceaeSeptPec.Gymnosporia emarginata (Willd.) Thw.HekelSAsclepiadaceaeJuly-MayHeteropogon contortus (Linn.) Beauv.<	Dioscored buibljera Linn.	Karanda	C	Discoreaceae	July-Ivlar.		
Drage Volubiis (Lr.)stapt.AbrSAsteipinaceaeApt-reb.Echinchoa colona (Lin.) Link.SamakHPoaceaeJuly-Feb.Echinchoa scolona (Lin.) Link.HAsteraceaeSeptJan.Eragrostis cilianensis (All.) Link.HPoaceaeAugMayEragrostis unioloides (Retz.) Nees.ChimandaraHPoaceaeAugFeb.Eucolyptus globosus Labilil.NeelgiriTMyrtaceaeOctMayEuphorbia hirta Linn.DudhiHEuphorbiaceaeNovApl.Euphorbia ingularia Roxb.SabarkandiSEuphorbiaceaeNovApl.Ficus amplissima Sm.PayerTMoraceaeAplSept.Ficus amotiana var. courtallensis King.Kadak- payerTMoraceaeAplJuneFicus religiosa Linn.WadTMoraceaeMarAug.Flacourtia indica (Burm. fil.) Merr.BhenkalSFlacourtiaceaeJanJulyGivotta moluccana (L.) Sreem.AkrotTEuphorbiaceaeAugDec.Guizatia abyssinica Cass.KaralHAsteraceaeAugDec.Guizatia abyssinica Cass.KaralHAsteraceaeSeptDec.Gyma asporta emarginata (Willd.) Thw.HekelSCelastraceaeAugFeb.Hentidesmus indicus (Linn.). Bauv.Pandhri-sukalHPateraceaeAugFeb.Impatiens blasmina L.TerefaHBalaceaeAugPec.Impatiens blasmina L.TerefaHBalaceaeAugFeb. <t< td=""><td>Diplocyclos palmatus (L.) Heffrey</td><td>Shivling</td><td>C</td><td>Cucurbitaceae</td><td>AugSept.</td></t<>	Diplocyclos palmatus (L.) Heffrey	Shivling	C	Cucurbitaceae	AugSept.		
Lechinops echinatus Roxb.       Utanti       H       Asteraceae       July-Feb.         Eragrostis cilianensis (All.) Link.       H       Poaceae       AugMay         Eragrostis unioloides (Retz.) Nees.       Chimandara       H       Poaceae       AugFeb.         Eucolyptus globosus Labili.       Neelgiri       T       Myrtaceae       OctMay         Euphorbia Ingularia Roxb.       Sabarkandi       S       Euphorbiaceae       July-Dec.         Euphorbia Ingularia Roxb.       Sabarkandi       S       Euphorbiaceae       NovApl.         Ficus arnottiana var. courtallensis King.       Kadak- payer       T       Moraceae       FebJune         Ficus religiosa Linn.       Pimpal       T       Moraceae       MarAug.         Flacourtia indica (Burm. fil.) Merr.       Bhenkal       S       Flacourtiaceae       AulJune         Givotia moluccana (L.) Sreem.       Akrot       T       Euphorbiaceae       All.         Guizotia abssonica Cass.       Karal       H       Asteraceae       SeptDec.         Grwai asiatica L.       Phalsi       T       Tiliaceae       AplJune         Guizotia abssinica Cass.       Karal       H       Asteraceae       SeptDec.         Grwai asiatica L.       P	Dragea volubilis (L.F.)Stapf.	Abri	5	Asciepiadaceae	AplFeb.		
Echinops echinatus Roxb.       Utanti       H       Asteraceae       SeptJan.         Eragrostis cilianensis (All.) Link.       H       Poaceae       AugMay         Eragrostis unioloides (Retz.) Nees.       Chimandara       H       Poaceae       AugFeb.         Eucalyptus globosus Labill.       Neelgiri       T       Myrtaceae       OctMay         Euphorbia hirto Linn.       Dudhi       H       Euphorbiaceae       JulyDec.         Euphorbia lingularia Roxb.       Sabarkandi       S       Euphorbiaceae       AvyApl.         Ficus amplissima Sm.       Payer       T       Moraceae       AplSept.         Ficus anplisis Linn.       Wad       T       Moraceae       AplJune         Ficus benghalensis Linn.       Pimpal       T       Moraceae       AplJune         Fiacourtia indica (Burm. fil.) Merr.       Bhenkal       S       Fiacourtiaceae       Jal.       July         Givotia moluccana (L.) Sreem.       Akrot       T       Euphorbiaceae       All.       Guizotia abysinica Cass.       Karal       H       Asteraceae       SeptDec.         Gymnosporia emarginata (Willd.) Thw.       Hekel       S       Celastraceae       SeptPec.         Gymosporia emarginata (Willd.) Thw.       Hekel	Echinchloa colona (Linn.) Link.	Samak	н	Poaceae	July-Feb.		
Eragrostis cilianensis (All.) Link.HPoaceaeAugMayEragrostis unioloides (Retz.) Nees.ChimandaraHPoaceaeAugFeb.Eucolyptus globosus Labill.NeelgiriTMyrtaceaeOctMayEuphorbia hirta Linn.DudhiHEuphorbiaceaeJulyDec.Euphorbia massima Sm.PayerTMoraceaeNovApl.Ficus amplissima Sm.PayerTMoraceaeFebJuneFicus amottiana var. courtallensis King.Kadak-payerTMoraceaeAplSept.Ficus arnottiana var. courtallensis King.Kadak-payerTMoraceaeAplJuneFicus arnottiana var. courtallensis King.WadTMoraceaeAplJuneFicus religiosa Linn.PimpalTMoraceaeAplJuneFicus religiosa Linn.PimpalTMoraceaeAugDec.Givotia moluccana (L.) Sreem.AkrotTEuphorbiaceaeAllGloscocrdia bosvallea (Linn.f.) DC.PatharsuvaHAsteraceaeSeptDec.Grewia asiatica L.PhalsiTTiliaceaeAplJuneGuizotia abyssinica Cass.KaralHAsteraceaeSeptFeb.Hemidesmus indicus (Linn.) Ren.AnantvelSCelastraceaeAugFeb.Impatiens balsamina L.TerdaHBalsaminaceaeAugJan.Indigofera cordifolia Heyne.BechkaHFabaceaeAugJan.Indigofera cordifolia Heyne.BechkaHFabaceaeJuly-Dec.	Echinops echinatus Roxb.	Utanti	Н	Asteraceae	SeptJan.		
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Justicia simplex D.Don.       Lavender scallops       H       Acanthaceae       OctJan.         Kyllinga bulbosa P. Beauv.       Lavali       H       Cyperaceae       July-Sept.         Lagascea mollis Cav.       Tharwad       H       Asteraceae       All         Lagerstroemia parviflora Roxb.       Bondara       T       Lythraceae       June-Oct.         Lannea coromandelica (Houtt.) Merr.       Moya       T       Anacardiaceae       JanJune         Lantana camara Linn. var. aculeata Linn. Mold.       Tantani       S       Verbenaceae       All         Layandula biningata var. rothigga Q.Kuntze.       Gorea       H       Lamiaceae       OctFeb	Jatropha curcus Linn.	Chandarivoti	S	Euphorbiaceae	May-Aug.		
Kyllinga bulbosa P. Beauv.       Lavali       H       Cyperaceae       July-Sept.         Lagascea mollis Cav.       Tharwad       H       Asteraceae       All         Lagerstroemia parviflora Roxb.       Bondara       T       Lythraceae       June-Oct.         Lannea coromandelica (Houtt.) Merr.       Moya       T       Anacardiaceae       JanJune         Lantana camara Linn. var. aculeata Linn. Mold.       Tantani       S       Verbenaceae       All         Layandula biningata var. rothigga Q. Kuntze.       Gorea       H       Lamiaceae       Oct -Feb	Justicia simplex D.Don.	Lavender scallops	Н	Acanthaceae	, <u>c</u> OctJan.		
Lagascea mollis Cav.       Tharwad       H       Asteraceae       All         Lagerstroemia parviflora Roxb.       Bondara       T       Lythraceae       June-Oct.         Lannea coromandelica (Houtt.) Merr.       Moya       T       Anacardiaceae       JanJune         Lantana camara Linn. var. aculeata Linn. Mold.       Tantani       S       Verbenaceae       All         Layandula biningata var. rothigga Q.Kuntze.       Gorea       H       Lamiaceae       Oct -Feb	Kyllinga bulbosa P. Beauv.	Lavali	Н	Cyperaceae	July-Sept.		
Lagerstroemia parviflora Roxb.       Bondara       T       Lythraceae       June-Oct.         Lannea coromandelica (Houtt.) Merr.       Moya       T       Anacardiaceae       JanJune         Lantana camara Linn. var. aculeata Linn. Mold.       Tantani       S       Verbenaceae       All         Layandula biningata var. rothigga Q.Kuntze.       Gorea       H       Lamiaceae       Oct -Feb	Lagasceg mollis Cay.	Tharwad	Н	Asteraceae	All		
Lannea coromandelica (Houtt.) Merr.     Moya     T     Anacardiaceae     JanJune       Lantana camara Linn. var. aculeata Linn. Mold.     Tantani     S     Verbenaceae     All       Layandula biningata var. rothiana Q.Kuntze.     Gorea     H     Lamiaceae     Oct -Feb	Lagerstroemia parviflora Roxh	Bondara	т	Lythraceae	June-Oct		
Lantana camara Linn. var. aculeata Linn. Mold.     Tantani     S     Verbenaceae     All       Layandula biningata var. rothiang Q.Kuntze.     Gorea     H     Lamiaceae     Oct -Feb	Lannea coromandelica (Houtt ) Merr	Mova	т Т	Anacardiaceae	lan -lune		
Lavandula biningata var. rothigng Q.Kuntze. Gorea H Lamiaceae Oct -Feb	Lantang camara linn var aculeata linn Mold	Tantani	s	Verhenaceae			
	Lavandula bipinnata var. rothiana O Kuntze	Gorea	Н	Lamiaceae	OctFeb.		

# Table 1: Continued...

Botanical name	Common name	Hb.	Family	Flowering			
Leucaena leucocephala (Lam.) de Wit.	Subabul	Т	Mimosaceae	All			
Leucas biflora R.Br.	Jodiburumbi	Н	Lamiaceae	AugApl.			
Leucas stelligera Wall.	Goma	Н	Lamiaceae	NovApl.			
Linum mysorense Heyne ex Wall.	Undri	Н	Linaceae	AugJan.			
Lophopogon tridentatus Roxb. Hook.		Н	Poaceae	AugDec.			
Lysimachia arvensis var. caerulea (L.) T & B		Н	Primulaceae	AugMay			
Mangifera indica Linn.	Amba	Т	Anacardiaceae	JanJune			
Mitragyna parviflora Roxb. Korth.	Kadam	Т	Rubiaceae	All			
Moringa oleifera Lam.	Shengul	Т	Moringaceae	JanApl.			
Nanorrhinum incanum (Wall.) Betsche		Н	Scrophulariaceae	SeptDec.			
Nicandra physalodes (Linn.) Gaertn.	Ran-popti	Н	Solanaceae	SeptNov.			
Oldenlandia spec.		Н	Rubiaceae	Unknown			
Oplismenus burmannii Retz. P. Beauv.	Yerwa	Н	Poaceae	July-Feb.			
Oryza grandiglumis (Döll) Prodoehl	Tandul	Н	Poaceae	SeptJan.			
Osyris wightiana Wall. ex Wight	Popali	S	Santalaceae	AugApl.			
Oxalis corniculata L.	Ambushi	Н	Oxalidaceae	All			
Parasopubia delphinifolia (L.) HP.Hofm. & Eb. Fisch.	Dudhali	н	Scrophulariaceae	July-Jan.			
Parkinsonia aculeata L.	Vilayyati	Т	Caesalpiniaceae	AplNov.			
Parthenium hysterophorus L.	Gajar gavat	н	Asteraceae	All			
Pentanema indica (L.) Ling.	Sonkadi	н	Asteraceae	NovFeb.			
Plumbago zeylanica Linn.	Chitrak	С	Plumbaginaceae	MarDec.			
Pulicaria wighitiana (DC.) Benth. Ex Clarke.		Н	Asteraceae	AugNov.			
Pupalia lappacea (L.) A.L.Juss.	Chikta	S	Amaranthaceae	SeptFeb.			
Rivea hypocrateriformis (Desr.) Choisy.	Phangyel	С	Convolvulaceae	June-Sept.			
Rungia pectinata (Linn.) Nees.		Н	Acanthaceae	OctMar.			
Rungia repens (Linn.) Nees.	Pittapapada	Н	Acanthaceae	NovMar.			
Scleromitrion tenelliflorum		Н	Rubiaceae	July-Oct.			
var. tenelliflorum							
Searsia mysorensis (G. Don.) Moffett.	Amboni	S	Anacardiaceae	AugDec.			
Senecio edworthii Hook.f.	Hiwali-sonki	Н	Asteraceae	AugNov.			
Senegalia catechu (L.f.) H.& M.	Khair	Т	Mimosaceae	July-Feb.			
Senegalia torta (Roxb.) Maslin, Seigler & Ebinger	Chilar	S	Mimosaceae	FebOct.			
Sesamum indicum Linn.	Til	Н	Pedaliaceae	SeptOct.			
Sida acuta Burm.f.	Tupkadi	S	Malvaceae	SeptDec.			
Smithia bigemina Dalz.	Lahan-kawla	Н	Fabaceae	AugJan.			
Solanum galapagense S.C. D. & P.	Tamatar	Н	Solanaceae	All			
Spermacoce pusilla Wall.		Н	Rubiaceae	July-Oct.			
Spilanthes calva DC.	Akkalkara	Н	Asteraceae	SeptJan.			
Striga densiflora Benth.	Agya	Н	Scrophulariaceae	AugJan.			
Stylosanthes fruticosa (Retz) Alst.	Hamata	S	Fabaceae	Sept.			
Syzygium cumini (Linn.) Skeels.	Jambul	Т	Myrtaceae	MarJune			
Tagetes erecta L.	Marigold	Н	Asteraceae	SeptDec.			
Tamarindus indica Linn.	Chinch	Т	Caesalpiniaceae	FebMay			
Tecoma stans (Linn.) H.B.K.	Ghanti	Н	Bignoniaceae	All			
Tectona grandis Linn. f.	Sag	Т	Verbenaceae	AugDec.			
Terminalia bellirica (Gaertn.) Roxb.	Behada	Т	Combretaceae	MarNov.			
Themeda triandra Forssk.	Bunden	Н	Poaceae	Sept.Feb.			
Tricholepis radicans (Roxb.) DC.	Dhann	Н	Asteraceae	Sept. & Feb.			
Triumfetta rhomboidea Jacq.	Chikti	S	Tiliaceae	May-Oct.			
Vigna khandalensis (Sant.) R & W.	Badmung	Н	Fabaceae	SeptOct.			
Vigna mungo (L.) Hepper	Sona mug	С	Fabaceae	SeptDec.			
Woodfordia fruticosa (Linn.) Kurz.	Dhayti	S	Lythraceae	May-June			
Xanthium strumarium L.	Shankeswar	Н	Asteraceae	JanMay			
Xyris indica L.	Dadumari	Н	Xyridaceae	OctJan.			
Zizyphus mauritiana Lamk.	Ber	Т	Rhamnaceae	SeptMar.			
Zornia diphylla (Linn.) Pers.	Landgu	Н	Fabaceae	AugOct.			

Hb. = Habit, H: Herb, S: Shrub, T: Tree, C: Climber.

Table 2: Analysis of Plant families with res	spect to Number of Species.
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Family/ Families	Total number of	Number of species		
	Families			
Poaceae	01	17		
Asteraceae	01	15		
Fabaceae	01	13		
Caesalpinaceae	01	06		
Rubiaceae, Mimosaceae, Euphorbiaceae	03	05 each		
Amarathaceae, Lamiaceae, Moraceae, Scrophulariaceae	04	04 each		
Acanthaeae, Anacardiaceae, Asclepiadaceae, Convolvulaceae, Solanaceae	05	03 each		
Annonaceae, Combretaceae, Commelinaceae Cucurbitaceae, Lythraceae, Malvaceae, Myrtaceae, Oxaliadaceae, Rananculaceae, Tiliaceae, Verbenaceae, Xyridaceae	12	02 each		
Apocynaceae, Balsaminaceae, Bignoniaceae, Bombacaceae, Boraginaceae, Capparaceae, Celastraceae, Cyperaceae, Flacortiaceae, Linaceae, Meliaceae, Menispermiaceae Moringaceae, Pedaliaceae, Plumbaginaceae, Primulaceae, Rhamnaceae, Rutaceae, Santalaceae	19	01 each		
	Total number of families = 47	Total number of		

Among the documented 140 species found at Lachundi sacred grove, 12 species were climbers, 79 herbs, 18 shrubs and 31 were tree species. Fig.5



Fig. 5: Habit and No. of flowering plant Species:

# Features of Woody Vegetation:

Following were the notable tree species found at the location. Aegle marmelos (L.) Correa., belongs to Rutaceae. It is also of Indian origin, called as Bel, tree having mythological, religious importance. April to November is the flowering and fruiting period. Catunaregam spinosa (Thunb.) Tirveng. It belongs to Rubiacae, is called as Gela in local language. Tree in habit and is an african plant. The duration of flowering and fruiting is March to November.

Ficus arnottiana Miq., it is tree in habit, called as kadak payer. It is a member of family Moraceae. Flowering and fruiting period is February to June. Givotia moluccana (L.) Sreem, Akrot tree is a member of family Euphorbiaceae. It is of Asian origin. The latex is red in color. Lagerstroemia parviflora Roxb., tree belonging

to Lythraceae, indigenous to Asia. The local name is Bondara. Flowering and fruiting span is June to October. Terminalia bellirica (Gaertn.) Roxb., called as Behada tree, belongs to Combretaceae, Asia (South East) in origin. Flowering and fruiting span is March to November. Tectona grandis was abundant, followed by Carissa congesta Wt, Lantana camara Linn.

# Features of Herbaceous vegetation:

As per Phytosociological studies, Apluda mutica Linn. and Dichanthium annulatum (Forsk.) Stapf. showed highest percent frequency and relative frequency followed by Aristida funiculate Trin & Rupr. The most abundant species was Echinchloa colona (Linn.) Link. The maximum IVI was noted for Apluda mutica Linn. Dichanthium annulatum (Forsk.) Stapf., Echinchloa colona (Linn.) Link.

Month	Jan.	Feb.	Mar.	Apl.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Through out year
Species Number	08	06	05	07	03	06	16	33	28	08	05	01	14

Table 3: Phenological studies of the Lachundi/Lalchandi sacred grove



Fig. 6: Phenological trend observed at Lachundi /Lalchandi sacred grove.

The phenological surveys were carried out. Among 140 species, flowering and fruiting occur throughout the year in 14 species. The flower and fruit formation occur in August and lasts for few months in 33 species. The month wise number of plants in flowering and fruiting are displayed in following table. The maximum number of plants in flowering and fruiting period were documented for August and September.

# CONCLUSION

The documentation of the present plant diversity study of the Lachundi/Lalchandi sacred grove will help in conservation prioritization to planners and protectors. The present data creates public awareness. Identification of endemic as well as threatened plant species shall effectively protect the plant diversity of Lachundi/Lalchandi sacred grove. The present data will be an addition to the plant diversity of Maharashtra and subsequently to India.

**Conflict of interest**: The authors declare that they have no conflict of interest.

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