

Study of Phytodiversity of Sikar District of Rajasthan

Abstract

The present paper deals with the phytodiversity of Sikar district, based on floristic exploration during the period of 2010-2012. In this work, a total number of 355 species belonging to 246 genera and 80 families of 4 different groups of phytodiversity viz. algae(1), pteridophytes(2), gymnosperm (1) and angiosperms (76) were recorded. Out of total 355 species, 351 species of angiosperms belonging to 242 genera were recorded.

Keyword: Phytodiversity, Sikar, Rajasthan.

Introduction

The district is located in the north-eastern part of the state of Rajasthan. It is bounded on the north by Jhunjhunu district, in the north-west by Churu district, in the south-west by Nagaur district in the south-east by Jaipur district. It also touches Mahendragarh district of Haryana. The district has an area of 7742.44 km², and population of 26, 77, 737 (2011 census). Sikar, Churu district and Jhunjhunu district comprise the Shekhawati region of Rajasthan at 27°13' N 28°07' E/27.21° N 28.12°E. During the recent years Indian botanists have emphasized for intensive exploration and compilation of inventories of plants resources of the country. These inventories will also be helpful in compilation of state and National flora.

In order to achieve the above objectives, district flora for the state of Rajasthan has been initiated. In this context, district flora for Tonk (Shetty & Pandey, 1983) and Banswara (Singh, 1983) district of Rajasthan have been published. Besides, flora of Bhilwara (Parmer & Singh, 1982), Pali (Pandey & Singh, 1989), Jalore (Vyas et al., 1985), Bikaner (Parmar et al., 1985), Ganganagar (Singh & Dhillon, 1989) and Nagaur (Sharma & Aggarwal, 2008) district have also been worked out. Intensive botanical exploration work on many district of Rajasthan is in progress. But, no reference regarding the study of phytodiversity of Sikar district has been recorded.

The present work is an endeavor to begin with the phytodiversity of this region. For the collection of voucher specimens as future reference and their preservation, herbarium methodology given by Jain & Rao (1976) was followed. All the plant specimens have been authenticated from B.S.I., Jodhpur, F.R.I. Dehradun and preserved in the Herbarium, Department of Botany, Govt. Dungar (P.G.) College, Bikaner (Rajasthan). The taxa are arranged alphabetically under their respective families which are arranged according to the classification of Bentham and Hooker (1862-1883). Identification of the species is based on the flora of Bhandari (1995) and Shetty & Singh (1987-93)

Aim of the Study

The Phytodiversity study leads to an up to-date knowledge of the vegetable resources and raw materials; the supplementary food plants and those providing fodder for the animals species that carry medicinal value and the data that throw some light on the Phytogeographical problems. Further, it is difficult for a post-graduate and research department in Botany to function unless the plants occurring in the surroundings are not well known. It is only after correctly identifying them, that one can study their detailed aspects botanical, anatomical, ontogenetically, cytological, and ecological as well as ethenobotanical.

Enumeration

The name of the plant is followed by locality and collection number.

Mennispermaceae

Cocculus pendulus(J.R. & G. Forst.) Diels

Locality : Aantari, 5039

Tinospora cordifolia (Willd)Miers



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Locality : Bai, 5332

Papaveraceae

Argemone Mexicana Linn.

Locality : Chirana, 5333

Fumariaceae

Fumaria indica L.

Locality : Alakhpura, 5321

Brassicaceae

Brassica campestris Linn.

Locality : Sirohi Gaon, 5334

Coronopus didymus (Linn.) Smith

Locality : Rewasa, 5049

Farsetia hamiltonii Royle

Locality : Dhabai Ki Dhani, 5001

Lepidium sativum L.

Locality : Bai, 5078

Sisymbrium irio Linn.

Locality : Aantari, 5038

Cleomaceae

Cleome gynandra Linn.

Locality : Reengus, 5335

Cleome viscosa Linn.

Locality : Danta Ramgarh, 5077

Capparaceae

Cadaba fruticosa L.

Locality : Sikar City, 5129

Capparis decidua (Forsk.) Edgew.

Locality : Sikar City, 5336

Polygalaceae

Polygala erioptera DC.

Locality : Raghunath Garh, 5189

Caryophyllaceae

Polycarpaea corymbosa (L.) Lam.

Locality : Chirana, 5170

Silene conoidea L.

Locality : Sanwli, 5028

Spergula arvensis L.

Locality : Harshgaon, 5003

Portulacaceae

Portulaca oleracea L.

Locality : Palsana, 5117

Tamaricaceae

Tamarix aphylla (L.) Karst.

Locality : Rewasa Jhil, 5050

Tamarix dioica Roxb. ex Roth

Locality : Reengus, 5106

Tamarix indica Willd.

Locality : Rewasa, 5337

Elatinaceae

Bergia ammannioides Roth

Locality : Kushalpur, 5161

Malvaceae

Abutilon indicum ssp. Indicum (L.) Sweet

Locality : Harshgaon, 5002

Abutilon pannosum (Forst. f.) Schlecht.

Locality : Danta Ramgarh, 5069

Althaea rosea (L.) Cav.

Locality : Sanwli, 5338

Gossypium arboreum L.

Locality : Alakhpura, 5307

Hibiscus micranthus L. f.

Locality : Bikaner Ratangarh Road, 5146

Malva parviflora L.

Locality : Danta Ramgarh, 5064

Malvastrum coromandelianum (L.) Garcke

Locality : Harsh Parvat, 5016

Pavonia zeylanica (L.) Cav.

Locality : Rewasa, 5051

Sida accuta L.

Locality : Khatu, 5339

Sida cordata (Burm. F.) Borssum

Locality : Sanwli, 5029

Sida cordifolia L.

Locality : Rewasa, 5056

Sida ovata Forsk.

Locality : Khatu, 5083

Sida rhombifolia L.

Locality : Kushalpur, 5160

Sterculiaceae

Sterculia urens L.

Locality : Kailash, 5109

Waltheria indica L.

Locality : Raghunath Garh, 5192

Tiliaceae

Corchorus aestuans L.

Locality : Rewasa, 5055

Corchorus depressus (L.) Stocks

Locality : Dhabai Ki Dhani, 5027

Corchorus fascicularis Lam.

Locality : Sanwli, 5032

Corchorus olitorius L.

Locality : Rewasa, 5057

Corchorus tridens L.

Locality : Aantri, 5040

Elaeocarpus ganitrus (Roxb.)

Locality : Ganeshwar, 5203

Grewia occidentalis L.

Locality : Aantri, 5340

Triumfetta pentandra A. Rich

Locality : Khatu, 5091

Zygophyllaceae

Fagonia cretica Burm.

Locality : Palsana, 5118

Peganum harmala L.

Locality : Harsh Parvat, 5014

Tribulus alatus L.

Locality : Danta Ramgarh, 5065

Tribulus pentandrus forssk. Var. pentandrus

Locality : Palasia, 5156

Tribulus rajasthanensis Bhandari & Sharma

Locality : Reengus, 5341

Tribulus terrestris L.

Locality : Palsana, 5116

Zygophyllum simplex L. Mant.

Locality : Reengus, 5105

Oxalidaceae

Oxalis corniculata Linn.

Locality : Kushalpur, 5138

Rutaceae

Aegle marmelos (L.) Corr.

Locality : Mehroli, 5343

Citrus medica L.

Locality : Sikar City, 5344

Feronia limonia (L.)

Swingle Locality :Palsana, 5119

Murraya koenigii (L.) Spreng.

Locality : Chirana, 5166

Simaroubaceae

Alianthus excels Roxb.

Locality : Udaipur Vati Road, 5140

Balanitaceae

Balanites aegyptiaca (L.) Del.

Locality : Palsana, 5115

Burseraceae

Boswellia serrate Roxb.ex Cocl. s.

Locality : Jeen Mata, 5058

Commiphora mukul (Hook. ex Stocks) Engl.

Locality : Gori Dham, 5042

Meliaceae

Azadirachta indica A. Juss.

Locality : Dhabai Ki Dhani, 5021

Celastraceae

Maytenus emarginatus (Willd.) Ding Hou

Locality : Raghunathgarh Road, 5188

Maytenus senegalensis L.

Locality : Palsana, 5112

Rhamnaceae

Ziziphus mauritiana Lam.

Locality : Kushalpura, 5162

Ziziphus nummularia (Burm. f.) Wight & Arn.

Locality : Ringus, 5104

Ziziphus truncate Blatt. & Hallb.

Locality : Mau, 5346

Sapindaceae

Cardiospermum halicaccabum L.

Locality : Harsh Parvat, 5015

Dodonaea viscosa (L.) Jacq.

Locality : Alakhpura, 5327

Anacardiaceae

Rhus mysurensis G. Don.

Locality : Fatehpur, 5297

Moringaceae

Moringa Oleifera Lam.

Locality : Sirohi Gaon, 5179

Fabaceae

Abrus precatorius L.

Locality : Khatu, 5084

Aeschynomene indica L.

Locality : Harsh Gaon, 5004

Alhagi maurorum Medic.

Locality : Jhunjhnu Road, 5142

Alysicarpus longifolius (Rottl. Ex Spreng.)

Locality : Laxmangarh, 5269

Alysicarpus monilifer (L.) DC.

Locality : Narodara, 5277

Alysicarpus vaginalis (L.) DC.

Locality : Jangid Ki Shakti Peeth, 5310

Crotalaria burhia Buch. Ham. Ex Benth.

Locality : Sanwli, 5031

Crotalaria medicaginea Lam.

Locality : Jeen Mata, 5059

Dalbergia sissoo Roxb.

Locality : Aantri, 5035

Indigofera cordifolia Heyne ex Roth

Locality : Baleshwar, 5226

Indigofera hochstetteri Baker

Locality : Bikaner Ratangarh Road, 5152

Indigofera linifolia (L. f.) Retz.

Locality : Bai, 5079

Indigofera linnaei Ali

Locality : Sanwli, 5030

Indigofera sessiliflora DC.

Locality : Aantari, 5037

Indigofera tinctoria L.

Locality : Rewasa Jheel, 5052

Phaseolus vulgaris L.

Locality : Khatu, 5090

Pongamia pinnata (L) Pierre

Locality : Sikar, 5285

Rhynchosia minima (L.) DC.

Locality : Data Ramgarh, 5072

Sesbania sesban (L.) Merrill

Locality : Bikaner Ratangarh Road, 5153

Tephrosia purpurea (L.) Pers.

Locality : Bikaner Ratangarh Road, 5147

Tephrosia subtriflora Hochst. ex Baker

Locality : Shri Madhopur, 5232

Trifolium alexandrinum L.

Locality : Gawdi, 5311

Trigonella incise Benth.

Locality : Mau, 5249

Caesalpinaceae

Bauhinia racemosa Lam.

Locality : Sikar City, 5284

Bauhinia variegata L.

Locality : Gori Dham, 5043

Cassia angustifolia L.

Locality : Haspura, 5246

Cassia fistula L.

Locality : Harsh Parvat, 5017

Cassia javanica L.

Locality : Udaipur Vati Road, 5131

Cassia occidentalis L.

Locality : Chaurana Ka Bas, 5228

Cassia roxburghii DC.

Locality : Jaipur Road Sikar, 5125

Cassia senna

Locality : Laxmangarh, 5270

Cassia siamea Lam.

Locality : Jaipur Road, 5126

Cassia tora L.

Locality : Kailash, 5111

Hardwickia binata Roxb.

Locality : Dhabai Ki Dhani, 5022

Parkinsonia aculeta L.

Locality : Raghunathgarh Road, 5190

Tamarindus indica L.

Locality : Reengas, 5103

Mimosaceae

Acacia leucophloea (Roxb.) Willd.

Locality : Jhunjhnu Road, 5143

Acacia nilotica (L.)Willd. ex Del.

Locality : Sikar City, 5127

Acacia Senegal (L.) Willd.

Locality : Kanwat , 5347

Albizia lebbek (L.) Benth.

Locality : Chirana, 5169

Leucaena latisiliqua (L.) Gillis

Locality : Zero Ki Chowki, 5212

Pithecellobium dulce (Roxb.) Benth.

Locality : Jangid Ki Shakti Peeth, 5330

Prosopis cineraria (L.) Druce

Locality : Palasia, 5155

Prosopis juliflora (Swartz) DC.

Locality : Laxmangarh, 5271

Rosaceae

Potentilla supina (L.)

Locality : Zero Ki Chowki, 5214

Combretaceae

Anogeissus latifolia (Roxb. ex DC.) Wall. ex Guill. & Perr.

Locality : Jangid Ki Shakti Peeth, 5296

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

Locality : Sirohi Gaon, 5178

Myrtaceae

Callistemon citrinus (curt.) Stapf.

Locality : Gori Dham, 5348

Callistemon viminalis Cheel

Locality : Rashidpura, 5290

Eucalyptus paniculata Labill.

Locality : Data Ramgarh, 5070

Psidium guajava L.

Locality : Mehroli , 5349

Syzygium cumini (L.) Skeels

Locality : Khatu , 5350

Lythraceae

Lawsonia inermis L.

Locality : Sirohi Gaon, 5174

Punicaceae

Punica granulata L.

Locality : Ganeshwar, 5201

Cucurbitaceae

Blastania garcinii (Burm. f.) Cogn.

Locality : Ganeshwar, 5198

Citrullus colocynthis (L.) Schrad.

Locality : Mehroli, 5255

Coccinia grandis (L.) J.O. Voigt

Locality : Palasia , Piprali, 5163

Corallocarpus epigaeus (Rottl & Willd.) Hook. f.

Locality : Kanwat, 5241

Cucumis callosus (Rottl.) Cogn.

Locality : Dhabai Ki Dhani, 5020

Dactyliandra welwitschii Hook. f.

Locality : Ringus, 5094

Melothria maderaspatana (L.) Cogn.

Locality : Udaipur Vati Road, 5136

Momordica balsamina L.

Locality : Raghunath Garh, 5191

Momordica charantia L.

Locality : Harsh Gaon , 5351

Momordica dioica Roxb. ex Willd.

Locality : Aantri , 5298

Cactaceae

Opuntia stricta V. dellenii

Locality : Chirana, 5165

Aizoaceae

Sesuvium portulacastrum (L.)

Locality : Neem Ka Thana, 5248

Trianthema portulacastrum L.

Locality : Jeenmata Pahari, 5062

Molluginaceae

Gisekia pharanceoides L.

Locality : Khatu, 5082

Glinus lotoides L.

Locality : Raghunath Garh, 5187

Limeum indicum Stocks ex T. Anders.

Locality : Gori Dham, 5044

Mollugo cerviana (L.) Seringe

Locality : Ramgarh, 5075

Mollugo nudicaulis Lam.

Locality : Chaurana Ka Bas, 5227

Apiaceae

Coriandrum sativum L.

Locality : Kanwat , 5352

Rubiaceae

Borreria articularis (L. f.) Mill.

Locality : Gori Dham, 5045

Odenlandia corymbosa

Locality : Chirana, 5171

Asteraceae

Acanthospermum hispidum DC.

Locality : Harsh Parvat, 5013

Ageratum conyzoides L.

Locality : Sikar , 5265

Artemisia scoparia Waldst. & Kit

Locality : Udaipur Vati Road, 5135

Bidens biternata (Lour.) Merr. & Sherff ex Sherff

Locality : Gawdi, 5209

Blainvillea acmella (L.) Philipson

Locality : Neem Ka Thana, 5196

Blumea lacera (Burm. f.) DC.

Locality : Aantri, 5036

Blumea membranacea DC.

Locality : Kailash, 5108

Blumea obliqua L. Druce

Locality : Reengus, 5354

Cotula australis L.

Locality : Mau , 5353

Dicoma tomentosa Cass.

Locality : Jeenmata Pahari, 5063

Echinops echinatus L.

Locality : Alakhpura, 5324

Eclipta alba (L.) Hassk.

Locality : Jaipur Road, 5122

Erigeron bonariensis L.

Locality : Fatehpur , 5331

Glossocardia bosvallea (L. f.) DC.

Locality : Mau, 5253

Gnaphalium pulvinatum Delile

Locality : Mehroli, 5258

Launaea nudicaulis auct. Plur. Non (L.) Hook. F.

Locality : Chirana, 5167

Launaea resedifolia (L.) Kuntze

Locality : Raghunath Garh, 5185

Oligochaeta ramose (Roxb.) Wagenitz

Locality : Chorana Ka Baas, 5230

Parthenium hysterophorus L.

Locality : Neem Ka Thana, 5195

Pluchea lanceolata (DC.) Clarke

Locality : Sirohi Gaon, 5180

Pulicaria angustifolia DC.

Locality : Sikar, 5355

Pulicaria crispa (Forsk) Benth & Hook. f.

Locality : Bikaner Ratangarh Road, 5151

Pulicaria wightiana (DC.) Clarke

Locality : Gori Dham, 5046

Sonchus oleraceus L.

Locality : Shri Madhopur, 5237

Tridax procumbens L.

Locality : Harshgaon, 5005

Verbesina encelioides(Cav.) Benth & Hook. f.

Locality : Gori Dham, 5047

Vernonia cinerea (L.) Less.

Locality : Zero Ki Chowki, 5215

Xanthium strumarium L.

Locality : Sri Madhopur, 5233

Plumbaginaceae

Dyerophytum indicum L.

Locality : Sanwli, 5033

Primulaceae

Anagallis arvensis L.

Locality : Baleshwar, 5224

Oleaceae

Nyctanthes arbor-tristis L.

Locality : Area Near By Neem Ka Thana, 5231

Salvadoraceae

Salvadora persica L.

Locality : Kanwat, 5240

Apocynaceae

Carissa spinarum L.

Locality : Alakhpura, 5323

Catharanthus roseus (L.) G. Don

Locality : Jangid Ki Shakti Peeth, 5329

Asclepiadaceae

Calotropis gigantea (L.) R. Br.

Locality : Jangid Ki Shakti Peeth, 5326

Calotropis procera (Ait.) Ait. f.

Locality : Dhabai Ki Dhani, 5025

Leptadenia pyrotechnica (Forsk.) Decne.

Locality : Near By Neem Ka Thana, 5225

Leptadenia reticulata (Retz.)

Locality : Jhunjhnu Road, 5145

Pergularia daemia(Forsk.) Chiov.

Locality : Baleshwar, 5220

Periplocaceae

Cryptostegia grandiflora R. Br.

Locality : Jeenmata Pahari, 5061

Boraginaceae

Arnebia hispidissima (Lehm.) DC.

Locality : Mau, 5250

Heliotropium curassavicum L.

Locality : Jaipur Road, 5124

Heliotropium europaeum L. **Var. lasiocarpum**(Fish & Mey) Kazmi

Locality : Laxmangarh, 5288

Heliotropium marifolium var. wallichii. Clarke

Locality : Laxmangarh, 5289

Heliotropium ovalifolium Forsk.

Locality : Alakhpura, 5300

Heliotropium subulatum (Hochst. ex DC.) Vatke.

Locality : Alakhpura, 5299

Sericostoma pauciflorum Stocks ex wight

Locality : Mehroli, 5256

Trichodesma amplexicaule auct. Non Roth

Locality : Raghunath Garh Road, 5183

Ehretiaceae

Cordia dichotoma Forst. f.

Locality : Sikar City, 5223

Convolvulaceae

Convolvulus arvensis L.

Locality : Sikar, 5128

Convolvulus prostratus Forsk.

Locality : Ramgarh, 5312

Cressa cretica L.

Locality : Narodara, 5279

Evolvulus alsinoides(L.) L.

Locality : Harsh Parvat, 5012

Ipomoea aquatic Forsk.

Locality : Dhabai Ki Dhani, 5024

Ipomoea coptica(L.) Roth ex Roem. & Schult.

Locality : Neem Ka Thana, 5193

Ipomoea fistulosa Mart.

Locality : Ringus, 5102

Ipomoea nil L. Roth

Locality : Jangid Ki Shakti Peeth, 5313

Ipomoea pes-caprae (L.) R. Br.

Locality : Ringus, 5093

Ipomoea pes-tigridis L.

Locality : Chirana, 5314

Ipomoea sindica Stapf

Locality : Jhunjhnu Road, 5141

Merremia dissecta (Jacq.) Hall. f.

Locality : Gawdi, 5210

Cuscutaceae

Cuscuta hyalina Heyne ex Roth

Locality : Rashid Pura, 5282

Cuscuta reflexa Roxb.

Locality : Narodra, 5278

Solanaceae

Datura alba Nees

Locality : Palsana, 5114

Datura innoxia Mill.

Locality : Rashid Pura, 5302

Lycium barbarum L.

Locality : Mau, 5251

Lycopersicon esculentum Mill.

Locality : Alakhpura, 5301

Physalis minima L.

Locality : Alakhpura, 5304

Solanum indicum auct. Non L.

Locality : Fatehpur, 5303

Solanum melongena var. insane Prain

Locality : Zero Ki Chowki, 5216

Solanum nigrum L.

Locality : Mehroli, 5264

Withania somnifera(L.) Dunal

Locality : Jahangir Ki Pith, 5305

Scrophulariaceae

Anticharis senegalensis (Walp) Bhandari

Locality : Harsh Parvat, 5018

Baccopa monnieri (L.) Wettst.

Locality : Alakhpura, 5295

Kickxia ramosissima (Wall.) Janchen

Locality : Fatehpur, 5294

Lindenbergia indica (L.) Vatke

Locality : Alakhpura, 5293

Lindenbergia macrostachya (Benth.) Benth

Locality : Rashidpura, 5281

Saponaria pumilio L.

Locality : Madhopur, 5356

Veronica agrestis L.

Locality : Harsh Gaon, 5008

Bignoniaceae

Tecoma stans (L.) Juss. ex Kunth

Locality : Reengas, 5098

Tecomella undulate (Sm.) Seem.

Locality : Sri Madhopur, 5234

Pedaliaceae

Pedaliium murex L.

Locality : Laxmangarh, 5272

Acanthaceae

Adathoda vasica Nees

Locality : Ringus, 5101

Adhatoda zeylanica Medic.

Locality : Chirana, 5168

Andrographis paniculata (Burm. f.) Wall. ex Nees

Locality : Ganeshwar, 5204

Barleria acanthoides Vahl

Locality : Ganeshwar, 5199

Blepharis linariaefolia Pers.

Locality : , 5357

Dipteracanthus patulus (Jacq.) Nees

Locality : Data Ramgarh, 5066

Peristrophe paniculata (Forsk.) Brumm.

Locality : Jeero Ki Chauki, 5213

Rungia repens (L.) Nees

Locality : Sirohi Gaon, 5176

Verbenaceae

Clerodendrum phlomidis L. F.

Locality : Ringus, 5092

Lantana camara L.

Locality : Jeero Ki Chauki, 5211

Phyla nodiflora (L.) E. E. Greene

Locality : Sri Madhopur, 5235

Lamiaceae

Anisochilus carnosus (L. f.) Wall. ex Benth.

Locality : Laxmangarh, 5273

Leucas aspera (Willd.) Link

Locality : Data Ramgarh, 5068

Leucas lanata Wall. ex Benth.

Locality : Mau, 5254

Leucas urticaefolia (Vahl.) R. Br.

Locality : Palsana, 5113

Leucas zeylanica (L.) R. Br.

Locality : Kanwat, 5243

Ocimum americanum auct. Plur. Non L.

Locality : Ringus, 5100

Ocimum basilicum L.

Locality : Fatehpur , 5325

Ocimum sanctum L.

Locality : Ringus, 5095

Salvia aegyptiaca L.

Locality : Harshgaon, 5006

Nyctaginaceae

Boerhavia diffusa L.

Locality : Udaipur Vati Road, 5132

Boerhavia erecta L.

Locality : Ganeshwar , 5358

Bougainvillea spectabilis Willd.

Locality : Bai, 5081

Commicarpus verticillatus (Poir.) Standl.

Locality : Ringus, 5099

Amaranthaceae

Achyranthes aspera L.

Locality : Jangid Ki Shakti Peeth, 5319

Aerva javanica (Burm. f.) Juss. ex Schult.

Locality : Khatu, 5085

Aerva lanata (L.) Juss. ex Schult.

Locality : Sirohi Gaon, 5181

Aerva persica (Burm. f.) Merrill

Locality : Data Ramgarh, 5067

Alternanthera punjens Kunth

Locality : Kanwat, 5317

Alternanthera sessilis (L.) R. Br. ex DC.

Locality : Rashidpura, 5316

Amaranthus lividus L.

Locality : Khatu, 5089

Amaranthus spinosus L.

Locality : Jaipur Road, 5123

Amaranthus viridis L.

Locality : Mehroli, 5315

Celosia Argentea L.

Locality : Ramgarh, 5074

Digera muricata (L.) Mart.

Locality : Gori Dham, 5048

Gomphrena celosioides Mart.

Locality : Sikar, 5034

Pupalia lappacea (L.) Juss.

Locality : Baleshwar, 5222

Chenopodiaceae

Chenopodium album L.

Locality : Sikar, 5292

Haloxylon salicornicum (Moq.) Bunge ex Boiss.

Locality : Udaipur Vati Road, 5130

Salsola baryosma (Roem. & Schult.) Dandy.

Locality : Khatu, 5088

Suaeda fruticosa (L.) Forsk.

Locality : Khatu, 5086

Polygonaceae

Calligonum polygonoides L.

Locality : Aantri, 5340

Emax spinosus (L.) Compd.

Locality : Sikar, 5286

Polygonum barbatum L.

Locality : Bikaner Ratangarh Road, 5149

Polygonum plebeium R.Br.

Locality : Sikar, 5287

Rumax crispus L.

Locality : Ringus, 5096

Rumax dentalis L.

Locality : Revasa, 5053

Proteaceae

Gravillia robusta A. Cunn. Ex R. Br.

Locality : Sikar, 5120

Euphorbiaceae

Croton bonplandianum Baill.

Locality : Aantari, 5041

Croton tiglium Linn.

Locality : Jeen Mata, 5060

Euphorbia granulata Forsk.

Locality : Sirohi Gaon, 5177

Euphorbia hirta L.

Locality : Raghunath Garh, 5184

Euphorbia pulcherrima Willd. Ex Klotz.

Locality : Sikar, 5164

Euphorbia thymifolia Lam.

Locality : Bai, 5080

Phyllanthus amarus Schum & Thonn.

Locality : Zero Ki Chowki, 5217

Phyllanthus emblica L.

Locality : Alakhpura, 5306

Phyllanthus simplex L.

Locality : Haspura, 5359

Ricinus communis L.

Locality : Harsh Parvat, 5011

Cannabinaceae

Cannabis sativa L.

Locality : Ganeshwar, 5200

Moraceae

Ficus benghalensis L.

Locality : Sirohi Gaon, 5175

Ficus religiosa L.

Locality : Fatehpur , 5328

Urticaceae

Urtica dioica L.

Locality : Sikar City, 5345

Gnetaceae

Ephedra ciliata Fisch & Mey. Ex. C.A. May.

Locality : Mehroli, 5259

Hydrocharitaceae

Hydrilla verticillata (L.f.)

Locality : Dhabai Ki Dhani, 5010

Liliaceae

Aloe barbedensis Mill.

Locality : Palasia, 5158

Aloe vera (L.)Burm f.

Locality : Alakhpura, 5360

Asparagus racemosus Willd

Locality : Haspura, 5247

Asphodelus tenuifolius Cav.

Locality : Ganeshwar, 5207

Commelinaceae

Commelina benghalensis L.

Locality : Neem Ka Thana, 5197

Commelina erecta L.

Locality : Mehroli, 5261

Commelina forskalaei Vahl.

Locality : Reengus, 5267

Arecaceae

Phoenix sylvestris (L.)

Roxb.Locality : Zero Ki Chowki, 5218

Typhaceae

Typha angustata Bory & Chaub.

Locality : Jangid Ki Shakti Peeth, 5322

Potamogetonaceae

Potamogeton amplifolius L.

Locality : Fatehpur , 5361

Potamogeton perfoliatus L.

Locality : Alakhpura, 5320

Cyperaceae

Cyperus alulatus Kern.

Locality : Sikar City, 5362

Cyperus arenarius Retz.

Locality : Jhunjhnu Road, 5144

Cyperus atkinsonii Clarke.

Locality : Fatehpur, 5370

Cyperus difformis L.

Locality : Chirana, 5172

Cyperus laevigatus L.

Locality : Ganeshwar, 5369

Cyperus pygmaeus Rottb.

Locality : Bikaner Ratangarh Road, 5148

Fimbristylis ferugenia L.

Locality : Laxmangarh, 5274

Scirpus tuberosus Dest.

Locality : Sikar, 5382

Poaceae

Acrachne recemosa (Heyne ex Roem & Schult.)Ohwi.

Locality : Baleshwar, 5221

Apluda mutica L.

Locality : Harsh Parvat, 5019

Aristida adscensionis L.

Locality : Ganeshwar, 5367

Aristida royleana L.

Locality : Shri Madhopur, 5238

Bambusa vulgaris Schrad.

Locality : Mau, 5379

Brachiaria reptans (L.)Gardner & Hubbard.

Locality : Rewasa, 5054

Cenchrus ciliaris L.

Locality : Harshgaon, 5007

Cenchrus prieurii var. scabra Bhandari

Locality : Kanwat, 5242

Chloris barbata Sw.

Locality : Chorana Ka Bas, 5229

Cymbopogon jwarancusa (Jones)Schult.

Locality : Ganeshwar, 5202

Dactyloctenium scindicum. Boiss.

Locality : Harsh Gaon, 5009

Dichanthium annulatum (Forsk)Stapf.

Locality : Neem Ka Thana, 5380

Digitaria ciliaris (Retz.)Koel.

Locality : Data Ramgarh, 5071

Digitaria radicata (Presl.)Miq.

Locality : Neem Ka Thana, 5194

Digitaria stricta L.

Locality : Bikaner Ratangarh Road, 5150

Echinochloa colona (L.)Link.

Locality : Mehroli, 5257

Enneapogon cenchroides (Licht.ex Roem & Schult.)C.E. Hubbard.

Locality :Neem Ka Thana , 5381

Eragrostis ciliaris (L.) R.Br.

Locality : Sri Madhopur, 5236

Eragrostis nutans L.

Locality : Mehroli, 5262

Eragrostis tenella(L.)P.Beauv.ex Roem & Schult.

Locality : Chirana , 5376

Eragrostis tremula (Lam.)Hochst ex. Steud.

Locality : Ganeshwar, 5206

Heteropogon contortus L. P.Beauv.ex. Roem &Schult.

Locality : Mehroli, 5263

Ochthochloa compressa (Forsk.)Hilu.

Locality : Mau, 5252

Oryza rufipogon L.

Locality : Khatu, 5371

Panicum antidotale Retz.

Locality : Data Ramgarh, 5073

Panicum notatum L.

Locality : Udaipur Vati Road, 5134

Panicum trypheron Schult.

Locality : Sikar, 5121

Panicum turgidum forsk.

Locality : Mehroli., 5377

Paspalidium flavidum (Retz.) A. Camus

Locality : Kailash, 5107

Pennisetum pedicellatum Trin.

Locality : Jhunjhnu Road, 5154

Pennisetum typhoides (L.)

Locality : Chirana, 5173

Perotis indica (L.) O. Ktze.

Locality : Palasia, 5159

Saccharum benghalense Retz.

Locality : Chirana, 5378

Saccharum spontaneum L.

Locality : Dhabai Ki Dhani, 5023

Setaria intermedia Roem & Schult.

Locality : Fatehpur , 5182

Setaria verticillata (L.)P. Beauv.

Locality : Neem Ka hana, 5374

Setaria viridis L.

Locality : Raghunath Garh, 5186

Sorghum verticilliflorum (Steud.) Stapf.

Locality : Rashid Pura, 5366

Sporobolus coromandelianus (Retz.)Kunth.

Locality : Shri Madhopur, 5239

Tetrapogon tenellus (Koen. Ex. Roxb)Chiov.

Locality : Reengus, 5268

Tragus roxburghii Panigrahi.

Locality : Narodara, 5276

Pteridaceae

Adiantum capillus-veneris Linn.

Locality : Harshparvat, 5385

Actinopteridaceae

Actinopteris radiata L.

Locality : Kailash, 5110

Characeae

Chara zeylenica Willdenow.

Locality : Laxmangarh, 5275

Results & Discussion

The total indigenous and widely naturalized phytodiversity of Sikar district is comprised of about **355 species** belonging to **246 genera** distributed among **80 families** in which **1 Algae, 2 Pteridophytes, 1 gymnosperm** and **76 Angiosperms** are reported in the present study. Out of 76 Angiosperm families, 68 Dicot and 8

Monocot families are reported. Out of 76 families (Angiosperms) recorded from Sikar, 10 predominant families are Poaceae (41 species), Asteraceae (28 Species), Fabaceae (23 species), Amaranthaceae (13 species), Caesalpiniaceae (13 species), Malvaceae (13 species), Convolvulaceae (12 species), Cucurbitaceae (10 species), Euphorbiaceae (10 species) and Solanaceae (9 Species).

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