



Analysis of Vegetation of Government College Bundi (Rajasthan) Campus : Checklist of Angiosperm Taxa

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The present work on the angiospermic flora of Government college Bundi campus has been taken up to evaluate taxonomical studies. The study of floristic analysis of college campus has been made bearing in mind various aspects. This observation is based on field survey of whole campus during different season.

Keywords : Angiosperms; Biota; Deciduous; Species diversity; Taxa

INTRODUCTION

Government college Bundi is the second largest college in whole Haroti region in respect of student strength and number of faculty members. Bundi is lies between 24° 59' 11" and 25° 53' 11" N latitudes and 75° 19' 30" and 76° 19' 30" E longitudes. Bundi district is a part of Haroti region, which forms the southeastern region of Rajasthan state. The present paper highlights vegetation of campus of Government college Bundi. This college is located on the Bundi - Kota main road lines.

MATERIAL AND METHOD

Present study is based on field collection and critical observation of angiosperm taxa. To record the plant species of trees, shrubs, herbs and climbers of college campus area were visited in different seasons by author from 2010 to 2018. The average annual rainfall of the area is 76.41 cm. Important studies on the flora and taxonomy of various part of India have been made by Mathur (1960), Dadhich (1974), Bhandari (1978), Shetty and Singh (1987 - 92) Patel (2001), Singh and Kushwaha (2006), Nawar and Sharma (2012) and Sharma (2018).

The specimens collected from college campus were identified and preserved in herbarium chamber, P. G. department of Botany Govt. college Bundi. Recorded angiosperms plant species of campus is being listed in Table-1.

RESULT AND DISCUSSION

During the survey it has been observed that quite a large number of angiosperm taxa grow invariably at different sites of campus. Vegetation (wild and cultivated) has been classified and listed with in main categories of herbs, shrubs, climbers and trees. It has been arranged alphabetically.

Vegetation of the college campus was rich in the past. The college is surrounded by housing settlement on almost all the sides. Species diversity of the campus has been decreased due to biotic disturbances. College has become a thoroughfare. College ground has been utilized as a playground for layman. This is one of the most important factor which is responsible for the eradication of ground flora.

The biota which is constantly increasing these years are *Echinops echinatus*, *Glinus lotoides*, *Corchorus depressus*, *Parthenium hysterophorus* and *Prosopis juliflora*. The rare species of college campus are *Bauhinia variegata*, *Manilkara hexandra* and *Vitex negundo*. It is hoped that the present observation will help in the understanding of vegetation of college campus. It also gives up to date knowledge about the types and current position of vegetation growing in the campus.

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Table - 1

TREES

BOTANICAL NAME

- Acacia leucophloea* (Roxb.) Willd.
- Aegle marmelos* (L.) Corr.
- Ailanthus excelsa* Roxb.
- Albizia lebbek* (L.) Benth.
- Azadirachta indica* A. Juss.
- Bauhinia variegata* L.
- Cassia fistula* L.
- Cassia siamea* Lam.
- Emblica officinalis* Gaertn.
- Holoptelea integrifolia* (Roxb.) Planch.
- Manilkara hexandra* (Roxb.) Dub.
- Phoenix sylvestris* (L.) Roxb.
- Pongamia pinnata* (L.) Pierre
- Syzygium cumini* (L.) Skeels

FAMIL

- Mimosaceae
- Rutaceae
- Simarubaceae
- Mimosaceae
- Meliaceae
- Caesalpiniaceae
- Caesalpiniaceae
- Caesalpiniaceae
- Euphorbiaceae
- Ulmaceae
- Sapotaceae
- Areaceae
- Fabaceae
- Myrtaceae



Cassia fistula L., fruiting phase, showing deciduous nature



Thevetia peruviana (Pers.) K. Schum., flowering phase

SHRUBS

- Balanites aegyptiaca* (L.) Del.
- Bougainvillea spectabilis* Willd.
- Calotropis procera* (Wight) Ali
- Capparis decidua* (Forsk.) Edgew.
- Capparis separia* L.
- Euphorbia tirucalli* L.
- Jatropha gossypifolia* L.
- Lawsonia inermis* L.
- Murraya paniculata* (L.) Jack
- Nerium indicum* L.
- Prosopis juliflora* (Swartz) DC
- Tabernaemontana divaricata* L.
- Thevetia peruviana* (Pers.) K. Schum.
- Vitex negundo* L.
- Ziziphus nummularia* (Burm. f.) Wight & Arn.

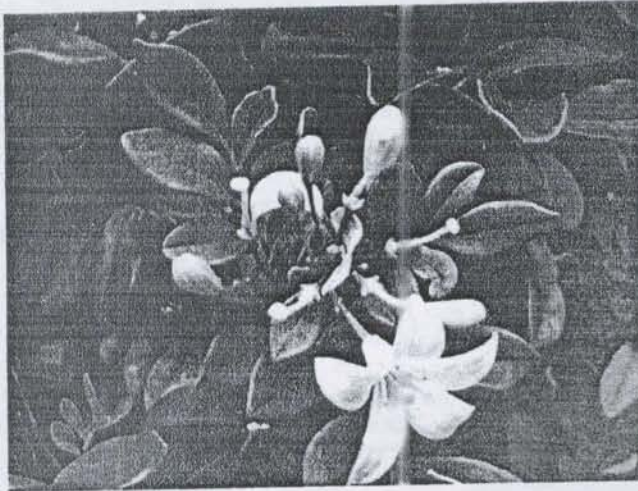
- Balanitaceae
- Nyctaginaceae
- Asclepiadaceae
- Capparidaceae
- Capparidaceae
- Euphorbiaceae
- Euphorbiaceae
- Lythraceae
- Rutaceae
- Apocynaceae
- Mimosaceae
- Apocynaceae
- Apocynaceae
- Verbanaceae
- Rhamnaceae

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CLIMBERS

Coccinia grandis (L.) J. O. Voight
Cocculus hirsutus (L.) Diels
Maerua arenaria (DC.) Hook. f. & Thoms.
Pergularia daemia (Forsk.) Chiov.

Cucurbitaceae
Menispermaceae
Capparaceae
Asclepiadaceae



Murraya paniculata (L.) Jack in botanical garden of college campus



Adhatoda zeylanica Medik (Acanthaceae) plant

HERBS

Acalypha ciliata Forsk.
Achyranthes aspera L.
Adhatoda zeylanica Medik
Aerva tomentosa Forsk.
Aiternanthera sessilis (L.) R. Br.
Alysicarpus monilifer (L.) DC.
Amaranthus viridis L.
Ammania baccifera L.
Apluda mutica L.
Argemone mexicana L.
Blumea lacera (Burm. f.) DC.
Boerhavia diffusa L.
Canna indica L.
Cassia tora L.
Chenopodium album L.
Chloris virgata Sw.
Cleome viscosa L.
Commelina benghalensis L.
Convolvulus pluncaulis Choisy
Corchorus depressus (L.) Stocks
Corchorus olitorius L.
Crotalaria medicaginea Lam.
Cynodon dactylon (L.) Pers
Cyperus rotundus L.
Dactyloctenium aegyptium (L.) Willd.
Dichanthium annulatum (Forsk.) Stapf
Echinops echinatus Roxb.
Eclipta prostrata L.
Elytraria acaulis (L. f.) Lindau
Eragrostis pilosa (L.) P. Beauv.
Euphorbia hirta L.
Euphorbia prostrata Graham
Evolvulus alsinoides L.

Euphorbiaceae
Amaranthaceae
Acanthaceae
Amaranthaceae
Amaranthaceae
Fabaceae
Amaranthaceae
Lythraceae
Poaceae
Papaveraceae
Asteraceae
Nyctaginaceae
Cannaceae
Caesalpinaceae
Chenopodiaceae
Poaceae
Cleomaceae
Commelinaceae
Convolvulaceae
Tiliaceae
Tiliaceae
Fabaceae
Poaceae
Cyperaceae
Poaceae
Poaceae
Asteraceae
Asteraceae
Acanthaceae
Poaceae
Euphorbiaceae
Euphorbiaceae
Asteraceae

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Glinus lotoides L.
Gomphrena celosioides Mart.
Indigofera cordifolia Heyne ex Roth
Indigofera linnaei Ali
Launaea asplenifolia (Willd.) Hook. f.
Leucas aspera
Lindenbergia indica (L.) Vatke
Oldenlandia corymbosa L.
Oxalis comiculata L.
Parthenium hysterophorus L.
Phyla nodiflora (L.) E.E. Greene
Phyllanthus maderaspatensis L.
Phyllanthus niruri auct. Pl. non L.
Rumex dentatus L.
Solanum nigrum L.
Solanum surattense Burm. f.
Sonchus asper (L.) Hill.
Tephrosia purpurea (L.) Pers.
Tribulus terrestris L.
Tridax procumbens L.
Verbena officinalis L.
Vernonia cinerea (L.) Less.
Volutarella divaricata Benth.

Aizoaceae (Ficoideae)
 Amaranthaceae
 Fabaceae
 Fabaceae
 Asteraceae
 Lamiaceae
 Scrophulariaceae
 Rubiaceae
 Oxalicaceae
 Asteraceae
 Verbenaceae
 Euphorbiaceae
 Euphorbiaceae
 Polygonaceae
 Solaraceae
 Solaraceae
 Asteraceae
 Fabaceae
 Zygophyllaceae
 Asteraceae
 Verbenaceae
 Asteraceae
 Asteraceae

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BOTANICAL GARDEN





Unnamed Road, Police Lines, Bundi, Rajasthan
323001, India

Latitude
25.4322983333333
32°

Longitude
75.64987500000001
°

Local 11:25:43 AM
GMT 05:55:43 AM

Altitude 268 meters
Thursday, 15-07-2021



OPPO F11

