

Medicinal Plants of Government College Bundi (Rajasthan) Campus: Documentation

O. P. Sharma

Associate Professor, Department of Botany, Government College Bundi, Rajasthan – 323001, India

Email: [opsharmabundi68\[at\]gmail.com](mailto:opsharmabundi68[at]gmail.com)

Abstract: Present paper deals with exact existence of medicinal plants of Government College Bundi, campus. The college is located on the Bundi - Kota main road lines. Field visit were conducted during three consecutive different seasons of 2020, 2021 and 2022 at the campus. Forty - twomedicinal plants are enumerated in current article.

Keywords: Awareness; Diversity; Herbal; Medicinal plants; Resources; Sustainable

1. Introduction

Bundi district is a part of Haroti region, which forms the south - eastern region of Rajasthan state. It lies between 24° 59' 11" and 25° 53' 11" N latitudes and 75° 19' 30" and 76° 19' 30" E longitudes. Bundi district is rich in flora and fauna, the area shows more diverse plant species. Many of them have medicinal importance. Government College Bundi is the second largest college in whole Haroti region in respect of student strength. The present paper highlights medicinal plants of campus of Government College Bundi.

Conservation of species diversity and the sustainable use of plant resources for paying due attention. Traditional knowledge of medicinal plants is playing a valuable role in providing primary healthcare system. The notable dominant trees and shrubs (cultivated and wild) of college campus are *Azadirachta indica* A. Juss., *Emblica officinalis* Gaertn. (Syn. *Phyllanthus emblica* Linn), *Ailanthus excelsa* Roxb., *Morinda tinctoria* Roxb. (Syn. *Morindacoreia* Buch. - Ham.), *Syzygiumcumini* (L.) Skeels, *Cassia siamea* Lam., *Cassia fistula* L., *Aegle marmelos* (L.) Corrêa, *Pongamia pinnata* (L.) Pierre, *Ziziphus mauritiana* Lam. (Rhamnaceae), *Balanites aegyptiaca* (L.) Delile, *Holoptelea integrifolia* (Roxb.) Planch., *Nerium indicum* Mill. (Syn. *Nerium oleander* L.), *Thevetia peruviana* (Pers.) K. Schum. (Syn. *Cascabelathevetia* (L.) Lippold), *Tabernaemontanadivaricata* (L.) R. Br. ex Roem. & Schult., *Capparis sepiaria* L. and *Ziziphus nummularia* (Burm. f.) Wight & Arn.

2. Material and Methods

This observation is based on continuous field visit of college campus and literature survey. Climatic and biotic factors influence the vegetation of area. To record the medicinal plants species of trees, shrubs, climbers and trees of college campus area were visited in different seasons by authors from 2020 to 2022. Herbarium specimen were collected and preserved in herbarium chamber, Government College Bundi by author.

Important studies on the floristic and ecological work of various part of India have been made by Mathur (1960), Champion and Seth (1968), Sharma (2002), Bhatia,

Mukherjee and Singh (2014), Sikarwar (2014) and Sharma (2019 and 2022). Medicinal plants of Government College Bundi campus have been mentioned in present communication.

3. Results and Discussion

These medicinal plant species of campus are arranged with their botanical names, common names and family in Table - I. Wild as well as cultivated medicinal plants are mentioned in this enumeration.

Table - I

- 1. *Ocimum sanctum* L. (Syn. *Ocimum tenuiflorum* L.)**
Family –Lamiaceae
Common name: Tulsi
- 2. *Justicia adhatoda* L. (Syn. *Adhatodavassica* Nees)**
Family –Acanthaceae
Common name: Adusa
- 3. *Crinum asiaticum* L.**
Family - Amaryllidaceae
Common name: Sudarsan
- 4. *Withaniasomnifera* (L.) Dunal**
Family –Solanaceae
Common name: Ashwagandh, Asgandh
- 5. *Allium sativum* L.**
Family –Liliaceae
Common name: Lahsun
- 6. *Allium cepa* L.**
Family –Liliaceae
Common name: Pyaj
- 7. *Catharanthus roseus* (L.) G. Don**
Family - Apocynaceae
Common name: Sadabahar
- 8. *Trigonella foenum - graecum* L.**
Family – Fabaceae
Common name: Menthi
- 9. *Bryophyllum pinnatum* (Lam.) Oken (Syn. *Kalanchoe pinnata* (Lam.) Pers.)**
Family - Crassulaceae
Common name: Pattharchatta
- 10. *Cynodondactylon* (L.) Pers.**
Family - Poaceae
Common name: Durva, Doob
- 11. *Aloe vera* (L.) Burm. f.**
Family –Liliaceae

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Common name: Gwarpatha

12. Thuja L.

Family –Cupressaceae

13. Oxalis corniculata L.

Family - Oxalidaceae

Common name: Khattibuti

14. Commelinabenghalensis L.

Family – Commelinaceae

15. Vitex negundo L.

Family – Verbenaceae

Common name: Nirgundi, Negarh

16. Datura metel L.

Family - Solanaceae

Common name: Dathura

17. Nyctanthesarbor - tristis L.

Family - Oleaceae

Common name: Parijat, Harsingar

18. Ricinus communisL.

Family - Euphorbiaceae

Common name: Arandi

19. Calotropis procera (Aiton) W. T. Aiton

Family – Asclepiadaceae

Common name: Aak

20. Lawsoniainermis L.

Family - Lythraceae

Common name: Mehndi

21. Tinospora cordifolia (Willd.) Hook. f. & Thomson

Family - Menispermaceae

Common name: Giloy, Guduchi

22. Cissus quadrangularis L.

Family - Vitaceae

Common name: Hadjod, Haddijod

23. Asparagus racemosus Willd.

Family - Liliaceae

Common name: Satavari

24. Piper betle L.

Family - Piperaceae

Common name: Pan

25. Azadirachta indica A. Juss.

Family: Meliaceae

Common name: Neem

26. Emblica officinalisGaertn. (Syn. Phyllanthus emblica Linn)

Family: Euphorbiaceae

Common name: Amla

27. Syzygiumcumini (L.) Skeels

Family: Myrtaceae

Common name: Jamun

28. Cassia fistula L.

Family: Caesalpiniaceae

Common name: Amaltas

29. Aegle marmelos (L.) Corrêa

Family: Rutaceae

Common name: Bel, Bilva

30. Phoenix sylvestris (L.) Roxb.

Family: Arecaceae

Common name: Khajur

31. Pongamia pinnata (L.) Pierre

Family: Fabaceae

Common name: Karanj

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

Family: Combretaceae

Common name: Arjun

33. Limoniaacidissima L. (Syn. Feronia limonia (L.) Swingle)

Family: Rutaceae

Common name: Kainth

34. Murrayakoenigii (L.) Spreng. (Syn. Bergerakoenigii L.)

Family: Rutaceae

Common name: Meetha Neem

35. Cratevanurvala Buch. - Ham. (Syn. Crateva magna (Lour.) DC.)

Family: Capparaceae

Common name: Varuna

36. Balanites aegyptiaca (L.) Delile

Family: Zygophyllaceae

Common name: Hingota

37. Ficus religiosaForssk. (Syn. Ficus populifolia Vahl)

Family: Moraceae

Common name: Peepal

38. Ficus benghalensis L.

Family: Moraceae

Common name: Bargad, Bad

39. Commiphorawightii (Arn.) Bhandari

Family: Burseraceae

Common name: Guggal

40. Mentha arvensis L.

Family: Lamiaceae

Common name: Pudina

41. Clitoriaternatea L.

Family: Fabaceae

Common name: Aparajita, Gokarna

42. Coleus amboinicus Lour. (Syn. Coleus aromaticus Benth.)

Family: Lamiaceae

Common name: Karpuravalli, Patta ajwain

4. Conclusion

This article is devoted to investigations of medicinal plant diversity through constant field visits. Present observation forms base - line information of medicinal diversity of campus. Herbal plant wealth should be protected through in - situ conservation. The field visits were carried out of whole campus, during 2020 to 2022. This study creates the awareness about the medicinal plants of study area.

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