

# GOVERNMENT DEGREE COLLEGE MUMMIDIVARAM

## *A Report on Field Trip*

### Botanical Tour to Kadium Nursery and Godavari Pushkaravanam in Rajahmundry

#### DEPARTMENT OF BOTANY

Date of Tour: 29<sup>th</sup> NOVEMBER, 2023

Date of Report Submission: 04<sup>th</sup> December, 2023.



*Submitted To*

The Principal  
Government Degree College  
Mummidiivaram

*Submitted By*

Smt. P. Durga Devi M.Sc, B.Ed.

Lecturer in Botany

# INTRODUCTION

The department of Botany of Government Degree College, Mummidivaram organized a field visit for the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> BZC students of 2023-24 to Kadium Nursery and Pushkaravanam, Rajahmundry on 29.11.2023. The purpose of the field trip was to provide students with practical exposure to plant diversity, ecological settings and conservation practices.

## **KADIAM NURSERY:**

The day began with an early departure from the college to Kadium Nursery, a renowned botanical garden known for its diverse collection of plant species. Upon arrival, students were greeted by the nursery staff who guided them through the various sections of the garden.

1. **Plant Diversity:** Students has the opportunity to observe and learn about a wide array of plant species, including indigenous and exotic varieties. The nursery's well-maintained sections showcased plants ranging from ornaments to medicinal herbs, providing valuable insights into plant morphology and classification.
2. **Conservation Practices:** The nursery staff explained the importance of conservation efforts in maintaining biodiversity. Students learned about seed banking, propagation techniques, and the role of botanical gardens in preserving endangered species. This session emphasize the crucial link between conservation and sustainable practices.
3. **Interactive Sessions:** To enhance the learning experience, the nursery staff conducted interactive sessions, encouraging students to ask questions and actively participate, in discussions. These sessions covered topics such as plant adaptations, ecological relationships, and the significance of biodiversity in ecosystem stability.

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## **PUSHKARAVANAM:**

Following the visit to Kadium Nursery, the students proceeded to Pushkaravanam, Rajahmundry a natural habitat that provided an opportunity to explore plants in their native environment.

1. **Ecosystem Study:** Pushkaravaram offered a diverse ecosystem with native flora and fauna. Students engaged in fieldwork, collecting data on plant species, observing their interactions, and understanding the ecological balance within the environment. This hands-on experience deepened their understanding of the theoretical concepts discussed in class.
2. **Botanical Identification:** Guided by faculty members, students practiced plant identification using field guides and learned to recognize various plant families and species. This practical exercise further honed their observational and identification skills.
3. **Conclusion and Reflections:** The field visit to Kadium Nursery and Pushkaravanam proved to be a valuable experience for the BZC students. It not only complemented their classroom learning but also instilled a greater appreciation for the complexities of plant life and the importance of conservation efforts. The exposure to real-world scenarios enhanced their understanding of botany as a science and its role in environmental sustainability.

In conclusion, the field trip was success in achieving its educational objectives, providing students with a holistic view of botanical studies and fostering a sense of responsibility towards the conversation of biodiversity. The department of Botany looks forward to organizing similar educational excursions in the future to enrich the academic journey of its students.

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## SOME OF THE MEDICINAL PLANTS OBSERVED DURING THE VISIT

- 1) SCIENTIFIC NAME : DALBERGIA LATIFOLIA  
LOCAL NAME : IRUGUDU CHETTU  
FAMILY : FABACEAE  
PARTS USED : SEED OIL, BARK  
USES : ANTITODE TO POISON, LEUCODERMA, SNEEZE.
  
- 2) SCIENTIFIC NAME : PTEROCARPUS SANTALINUS  
LOCAL NAME : ERRACHANDANAM  
FAMILY : FABACEAE  
PARTS USED : HEART WOOD, FRUITS  
USES : CHRONIC DYSENTERY, ULCERS, FEVER, SKIN DISEASES.
  
- 3) PHYLLANTHUS ACIDUS  
LOCAL NAME : RACHA VUSIRI  
FAMILY : PHYLLANTHACEAE  
PARTS USED : FRUITS  
USES : SOURCE OF VITAMIN-C', JAUNDICE.
  
- 4) SCIENTIFIC NAME : ACACIA CONCINNA  
LOCAL NAME : SEKAYA  
FAMILY : MIMOSACEAE  
PARTS USED : PODS  
USES : DENTAL CARIES, MOUTH ULCERS, GUN BLEEDING.
  
- 5) SCIENTIFIC NAME : ELETARIA CARIABINUM  
LOCAL NAME : ILACHI  
FAMILY : ZINGIBERACEAE

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|                     |                                                              |
|---------------------|--------------------------------------------------------------|
| PARTS USED          | : SEEDS                                                      |
| USES                | : ASTHMA, TEETH AND INFECTIONS, CATARACTS, NAUSEA, DIARRHEA. |
| 6) SCIENTIFIC NAME  | : MORUS ALBA                                                 |
| LOCAL NAME          | : MULBARY                                                    |
| FAMILY              | : MORACEAE                                                   |
| PARTS USED          | : FRUITS                                                     |
| USES                | : GONORRHOEA, KIDNEY PROBLEMS, BLADER TROUBLE.               |
| 8) SCIENTIFIC NAME  | : HIBISCUS ROSASYNENSIS                                      |
| LOCAL NAME          | : MANDARA                                                    |
| FAMILY              | : MALVACEAE                                                  |
| PARTS USED          | : LEAVES, ROOTS, FLOWERS, SEEDS                              |
| USES                | : PIMPLES, DIARRHEA, DIABETES                                |
| 9) SCIENTIFIC NAME  | : STACHITARPHEA MUTABILIS                                    |
| LOCAL NAME          | : PINK SNAKE WEED                                            |
| FAMILY              | : VERBINACEAE                                                |
| PARTS USED          | : SEEDS, LEAVES                                              |
| USES                | : FEVER, COLD, ARTHRITIS, COUGH, BAD BREATH                  |
| 10) SCIENTIFIC NAME | : GREWIA ASIATICA                                            |
| LOCAL NAME          | : FHALASA                                                    |
| FAMILY              | : MALVACEAE                                                  |
| PARTS USED          | : STEM, LEAVES, ROOT                                         |
| USES                | : HEART DISORDER, BLOOD DISORDER, FEVER                      |
| 11) SCIENTIFIC NAME | : ACORUS CALAMUS (VASA)                                      |
| FAMILY              | : ACORACEAE                                                  |
| PARTS USED          | : RHIZOME, ROOTS                                             |

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USES : SCROTAL ENLARGEMENT, HEADACHE, EYE DISEASES, HEART PROBLEMS.

12) SCIENTIFIC NAME : MADURA LONGIFOLIA (VIPPA)

FAMILY : SAPOTACEAE

PARTS USED : BARK, HEART WOOD, FLOWERS, SEEDS

USES : INFLAMMATIONS OF EYE DISEASES

13) SCIENTIFIC NAME : FICUS RACEMOSA (MEDI)

FAMILY : MORACEAE

PARTS USED : BARK, LATEX, FRUIT, ROOT

USES : SKIN INFLAMMATIONS, DIARRHEA, DIABETIS, DYSENTRY

14) SCIENTIFIC NAME : OROXYLUM INDICUM (NAGA DUDDILUM)

FAMILY : BIGNONIACEAE

PARTS USED : ROOTS, LEAVES, FRUITS

USES : ULCERS, ARTHRITIS

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Mummidivaram,  
25.11.2023.

TO  
The principal sir  
Government Degree college  
Mummidivaram.  
Dr. B.R. Ambedkar District.

Sub : permission for Botanical field trip.  
Respected sir,

I am P. Durgadevi working as a guest faculty in Botany department, at Government degree college, Mummidivaram. As per degree Botany Curriculum I am taking the III BZC, II BZC, I (Botany) students to "Kadiam Nursery" to visit and to educate about the plant scientific names and ICBN rules and beauty of the Nature. So I request you to give me one day (dated on 29.11.2023 wednesday) permission.

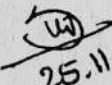
Thanking you sir

Yours faithfully  
P. Durgadevi

Number & Signature of students.

1. K. Divya Naga Lakshmi
2. A. Satish
3. M. Sai Lakshmi Pavani
4. T. Naga Prameela
5. K. Divya

Permitted

  
25.11.23

- 6) K. Pujitha
7. P. Pawan?
8. R. Jayasri
- 9.) G. Baby
- 10.) G. satya savithri
- 11, P. Ashoke
- 12, M. Venukumar
13. S.L.V. mullamto
14. P. Agh...

## II Bsc (CBZ)

1. B. Uma Sai
2. K. Lakshmi
3. S. Swapna
4. Ch. Sruthi
5. P. Sravani
6. M. S. L. S. sudha Rani
7. M. Mani Kumari
8. G. Hema Sri
9. ch. y. P. Sowjanya.
10. S. Poojitha
11. K. Priyanka.
12. L. Anusha
13. M. Divya Jyothi
14. J. Suresndhra Reddy

Mummidivaram.

25/11/2023.

TO .

Respected principal sir  
Government Degree college.  
Mummidivaram  
Dr. B.R Ambedkar District

Sub: Permission for Botanical field trip

Respected sir,

We are all Bsc. B2c students, in Government Degree college Mummidivaram. We are all visit the kadium nursery for educate about the Botanical tour. So we request you to give us 1 day (Date: 29.11.2023) permission

Thanking you sir.

Yes

(100)  
25.11.23

1) K. Surya

2) K. Pujitha.

3) R. Jayasri

4) P. Pavani

5) G. Baby

6) M. Sai Lakshmi Pavani

7) M. Venukumar

8. K. Rajesh

9. G. Satya Savithri

10. S. L. V. Praveen

11) B. N. D. S. Prasad

12) M. D. S. R. Sudheer

TO

The principal,  
Govt. Degree college,  
Mummidivaram.

Respected sir,

Sub:- Field trip to Kadiam - B2C students -  
- saction of O.D. on Dt. 29-11-23 - Reg - reg.

As you are aware of the fact that  
we are accompanying the students for field  
trip to Kadiam<sup>nursery</sup> on Dt. 29-11-23. In this connection  
we request you to grant O.D. on the said date  
i.e. 29-11-23.

Thanking you sir,

yours faithfully

1) D. pallam Raju  
Lecturer in Chemistry

2) DR. T. Tulasi Lakshmi  
Lecturer in Economics

3) P. Durgadevi  
Lecturer in Botany

4) I. H. S. Ramesh Babu  
Lect. in Zoology

1. D. pallam

2. NO 626

3. P. Rungtudu

4. I. H. S. Ramesh Babu

Yes  
Permitted  
(VH)  
28.11.23

1. Sai Lakshmi Pavani

1. Venk Kumar

1. R.D Mani

1. Manikanta

1. Karaka

P. Ashok

M. Sudheer

B. Prasad

K. Divya Naga Lakshmi

I. Santhosh

K. Pujitha

G. Baby

G. Satya Savithri

P. Pavani

T. Naga Pramela

A. Satish

K. Rajesh

V. Seena

K. Divya

- M. Sai Lakshmi Pavani

- M. Venk Kumar

- S.R.D Mani

- S.L.V. Manikanta

- M.K.N. Karaka

P. Ashok

- M.D.S.R. Sudheer

- B.N.D S Prasad

- K. Divya

- I. Santhosh

- K. Pujitha

- G. Baby

- G. Satya Savithri

ch. Haritha

ch. J. ram Chandu

D. Divya

G. PAVANI

K. PAVAN kumar

MO. Raza hussen

M. Jaya. Ventkata Sai ~~Arjun~~

P. Sri Durga

P. Vijaya Santhi

Arun kumar

V. Baby

ch. Haritha

CH. J. R Chandu

D. Divya

G. PAVANI

K. PAVAN kumar

MO. Raza hussain

M. Tonn

P. Sri Durga

P.V. Santhi

V. Baby

. Sai Lakshmi Pavani

. venu kumar

R.D Mani

. Manikanta

. Karaka

. Ashok

M. Sudheer

B. Prasad

K. Divya Naga Lakshmi

I. Santhosh

K. Pujitha

G. Baby

G. Satya Savithri

P. Pavani

T. Naga Pramela

A. Satish

. K. Rajesh

. V. Seena

. K. Divya

- M. Sai Lakshmi Pavani

- M. Venu Kumar

- S.R.D Mani

- G.L.V. Manikanta

- M.K.N. Lakshmi

P. Ashok

- M.D.S.R. Sudheer

- B.N.D S Prasad

- K. Divya

- I. Santhosh

- K. Pujitha

- G. Baby

- G. Satya Savithri

- P. Pavani

- T. Naga Pramela

- K. Rajesh

- V. Seena

- K. Divya