



# *Providence Women's College (Autonomous)*

**DEPARTMENT OF ZOOLOGY**

**ORGANIZES**

**A SEMINAR ON**

**BIOMASS UTILIZATION OF EICHORNIA**

**BY**

**MS.SMRITHI K,  
ASSISTANT PROFESSOR  
BAITHUL IZZA ARTS AND SCIENCE  
COLLEGE AND  
ALUMNAE OF ZOOLOGY  
DEPARTMENT.**

**MV HALL**

**21 FEBRUARY 2024**



## **Report on the Program on Biomass Utilization of Eichhornia**

**Date:** 21 February 2024

**Organized by:** Department of Zoology

Number of participants:95

The Department of Zoology conducted an enlightening program on “Biomass Utilization of Eichhornia” on February 21, 2024. The session was led by Ms. Smrithi K, Assistant Professor at Baithul Izza Arts and Science College and a proud alumna of the Zoology Department. The program aimed to shed light on the innovative and sustainable use of Eichhornia (commonly known as water hyacinth), a plant often considered an invasive species.

### **Objectives of the Program:**

- To discuss the environmental challenges posed by Eichhornia and its impact on aquatic ecosystems.
- To explore the potential of Eichhornia as a resource for biomass utilization.
- To inspire sustainable practices for managing invasive species.

### **Key Highlights:**

#### **1. Insightful Lecture:**

Ms. Smrithi delivered an engaging talk on the dual nature of Eichhornia, emphasizing its role as an ecological threat and its untapped potential as a valuable resource.

- Topics covered included the chemical composition of Eichhornia and its applications in biofuel production, organic composting, and water purification.
- She highlighted case studies and successful models of Eichhornia utilization globally.

#### **2. Interactive Demonstrations:**

- Practical demonstrations showcased how Eichhornia biomass could be processed into compost and biogas.
- Participants were introduced to innovative technologies for converting water hyacinth into sustainable products like paper, ropes, and furniture.

#### **3. Alumnae Perspective:**

As an alumna, Ms. Smrithi shared her journey and emphasized the importance of leveraging academic knowledge to address real-world challenges. Her insights motivated students to explore interdisciplinary approaches to environmental conservation.

### **Outcomes of the Program:**

- Students and participants gained a comprehensive understanding of Eichhornia management and its potential for biomass utilization.

- The program highlighted the need for collaborative efforts to transform invasive species into eco-friendly resources.
- It encouraged the adoption of sustainable practices for mitigating the ecological impact of invasive plants.

### Conclusion:

The program on “Biomass Utilization of Eichhornia” was a remarkable success, fostering environmental awareness and innovative thinking among the participants. The Department of Zoology extends its heartfelt appreciation to Ms. Smrithi K for her inspiring and knowledge-rich session. The event exemplifies the department’s commitment to addressing ecological challenges through education and sustainable solutions.



LIST OF STUDENTS: FIRST YEAR ZOOLOGY

A TALK ON BIOMASS UTILIZATION OF EICHORNIA

DATE: 21/2/2024

SI.NO	STUDENT_NAME
1	AYISHA AFRA.T. A
2	GAYA S RAJ
3	MAJIDHA NOWSHAD
4	NOORA FATHIMA
5	PRIYADARSHINI S
6	SAYANORA JAMES T
7	ZIYA FATHIMA K
8	AJMALA HUSSAIN.S.C
9	AMINA HANIYA P M
10	ANEENA.C. P
11	ASWATHI P
12	AYSHA NAFIA
13	AYSHA NIDHA K P
14	DEVIKA UNNIKISHNAN
15	DIYAMOL P
16	DIYANA S M
17	HIBA BACKAR T
18	NANDITHA RAKESH
19	NASHWA M
20	SANA ZUHARA P
21	SHANA NESRIN
22	THEERTHA P
23	ANASWARA DAS
24	AVANTHIYA E K
25	FATHIMA ISHRATH K T
26	FEMINA V
27	GOPIKA C
28	JILNA P P
29	NAJIYA SILU
30	NANCY M S
31	RASHA K
32	RINJU JAFFER V K
33	SNEHA E
34	SWETHA T
35	VIDHYA VINOD

## LIST OF STUDENTS: FIRST YEAR ZOOLOGY

A TALK ON BIOMASS UTILIZATION OF EICHORNIA

DATE: **21/2/2024**

1	BHAVYALAKSHMI K P
2	DEVIKA RAJESH
3	NIVEKHA JOYCE M A
4	RIYA RAVI
5	ABHIRAMI K P
6	AKSHAYA V P
7	ANJANA K
8	ANOOSIYA FEBIN P K
9	NANDANA C
10	PAVITHRA K
11	RANIYA K
12	SANA SALIH
13	SHADIYA R
14	SHASMIN A V
15	ADHEELA YOONUS
16	ASWLAHA K
17	HAIFA V K
18	MALAVIKA P P
19	NAMITHA M S
20	NANDITHA KRISHNAN R
21	NOORA NAVAR T
22	RIYA SITHARA M
23	SREDHA NARAYANAN
24	SURAMYA ANAND P K
25	THRISHA M R
26	VISMAYA M M
27	YELENA MANOHAR
28	YESASWINI V K

LIST OF STUDENTS: THIRD YEAR ZOOLOGY  
A TALK ON BIOMASS UTILIZATION OF EICHORNIA  
DATE: 21/2/2024

SLNO	STUDENT_NAME
1	ARUNDHATI NAIR M M
2	DAHEENA FATHIMA METHAL BAPPAYIL
3	FIZA PARVEEN N P
4	GOURI V P
5	HAMDA HARSHAD N
6	AISHA FATHIMA
7	ASWANA B R
8	AVANTHIKA K M
9	AVANTHIKA VIVEK
10	DIYA VINOD
11	FATHIMA NEHA M K
12	FIDA PARVEEN
13	GOPIKA M
14	LAKSHMI E
15	VUFILA UMAR T P
16	ALKA K P
17	DHANA V E
18	FATHIMA THAHSIN P K
19	FATHIMA ZUHA P K
20	GAYATHRY K
21	GOPIKA K
22	HANIYA SHAJI
23	LIYA FATHIMA K V
24	MEERA V
25	MERIN SEBASTIAN
26	MUBASHIRA C

27	P V JAS KHALEEKHA
28	RADHIKA N
29	SAJITHA M S
30	SIVANI R S
31	SIVAPRIYA V V
32	FATHIMA RINSHA M