



TELANGANA TRIBAL WELFARE RESIDENTIAL DEGREE COLLEGE (WOMEN)
(Affiliated to Palamuru University)
Thirumalahills, Mahabubnagar-509001
Email: ttwrdcgirls.mahabubnagar@gmail.com,
Mobile Numbers: 7901097704



DEPARTMENT OF BOTANY

EXTENSION LECTURES

Extension Lectures in the Department of Botany are specialized educational sessions designed to complement the regular curriculum by offering deeper insights into a variety of topics related to botany, plant science, and environmental conservation. These lectures provide an excellent platform for students, faculty, and the wider community to engage with distinguished experts in the field. With guest speakers from academia, research institutions, and industry, the lectures offer valuable perspectives on the latest research, emerging trends, and practical applications of botanical science.

The core objectives of these extension lectures are to:

1. **Expand Knowledge:** Broaden the understanding of cutting-edge developments in botany, including plant biology, ecology, conservation, genetics, and sustainable agricultural practices.
2. **Foster Research and Innovation:** Inspire students and researchers to venture into new areas of exploration and contribute to the advancement of botanical science.
3. **Raise Awareness:** Elevate public consciousness regarding the critical role plants and ecosystems play in maintaining environmental balance, while promoting sustainable practices and conservation efforts.
4. **Promote Networking and Collaboration:** Offer a platform for students, faculty, and professionals to connect, exchange ideas, and collaborate on research and innovations in the field of botany.

These extension lectures are an essential part of creating a vibrant academic atmosphere, encouraging lifelong learning, and fostering a meaningful exchange of ideas between the university and the wider community.



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DEPARTMENT OF BOTANY

DETAILS OF EXTENSION LECTURE

S.NO	NAME OF THE TOPIC	NAME OF THE SPEAKER	DATE	CLASS	NO . OF STUDENTS ATTENDED
1	GENERAL CHARACTERS OF GYMNOSPERMS.	MOUNIKA , DL- BOTANY.	17/02/2023	BZC-I	25
2	LIFECYCLES OF ALGAE.	Dr. G. RAJRNDER ASSISTANT PROFESSOR IN BOTANY	09/02/2022	BZC-I	24
3	BIODIVERSITY & CONSERVATION	Dr. P.SRINIVASULU ASSISTANT PROFESSOR IN BOTANY	05/07/2021	BZC-III	26



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12th February 2023

To

The Principal,

TTWRDC (W), Mahabubnagar

Subject: Request for Permission to Conduct an Extension Lecture on General Characters of Gymnosperms

Respected Madam,

I, Jayalaxmi, DL in Botany, would like to bring to your kind attention that the Department of Botany intends to organize an extension lecture for the B.Sc. I Year B.Z.C. students. The lecture will focus on the topic "General Characters of Gymnosperms" and is scheduled for **17th February 2023**.

This lecture aims to enhance the students' knowledge and understanding of gymnosperms. We kindly request your permission to conduct this program as planned.

Thank you for considering our request.


Yours faithfully,

Jayalaxmi

Department of

Botany


Department of Botany
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NOTICE

(Extension Lecture)

This is to inform all B.Sc. I-B.Z.C. students that the Department of Botany will be organizing an extension lecture on **General Characters of Gymnosperms**. The lecture will be delivered by Mounika, Degree Lecturer in Botany, TSWRDC (W), Nagarkurnool.


Date: 17th February 2023

Time: 3:00 PM

Venue: B.Z.C – I Classroom

All students are requested to attend the lecture without fail.


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Date: 17/02/2023

Topic: General Characters of Gymnosperms

Speaker: Mounika, Lecturer in Botany, TSWRDC (W), Nagarkurnool

Organized by: Department of Botany **Audience:**

B.Sc. B.Z.C. I Year Students **Attendance:** 25
students

Introduction

On 17th February 2023, the Department of Botany organized an extension lecture for B.Sc. B.Z.C. I Year students. The lecture, titled "General Characters of Gymnosperms," was delivered by Mounika, a Lecturer in Botany from TSWRDC (W), Nagarkurnool.

Lecture Overview

Mounika provided a comprehensive overview of gymnosperms, covering the following key aspects:

- **General Characteristics:** Detailed explanation of the fundamental traits of gymnosperms, including their reproductive structures, types of gymnosperms, and distinguishing features from angiosperms.
- **Classification and Examples:** Overview of different classes of gymnosperms and examples of each, highlighting their ecological significance.
- **Adaptations:** Discussion on how gymnosperms have adapted to various environments and their evolutionary importance.

Interactive Session

At the end of the lecture, Mounika engaged in a question-and-answer session where she addressed various doubts and queries raised by the students. This interactive segment helped clarify complex concepts and provided deeper insights into the subject matter.

Attendance and Participation

A total of 25 students attended the lecture. The participation was active, and students demonstrated keen interest in the topic.

Conclusion

The extension lecture on "General Characters of Gymnosperms" was a valuable educational experience for the students. Mounika's detailed presentation and subsequent discussion enhanced the students' understanding of gymnosperms and their significance in the plant kingdom.



Delivering the Lecture on General characters of Gymnosperms



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ATTENDANCE OF THE STUDENTS

S.NO	Admission number	Name of the student	Signature
1	220333924451002	B.CHANDRAKALA	B. Ch
2	220333924451003	G.VARALAXMI	G. Varalaxmi
3	220333924451005	J.DEEPIKA	J. Deepika
4	220333924451006	J.PRIYANKA	J. Priyanka
5	220333924451007	J.NARMADA	J. Narmada
6	220333924451009	K.ANITHA	K. Anitha
7	220333924451011	M.INDU	M. Indu
8	220333924451012	M.NANDINI	M. Nandini
9	220333924451013	M.SHANTHA BHAI	M. Shantha Bhai
10	220333924451014	M.SHIVANEELA	M. Shivaneela
11	220333924451015	M.MANISRI	M. Manisri
12	220333924451017	N.BHARATHI	N. Bharathi
13	220333924451019	N.HARICHANDRIKA	N. Harichandrika
14	220333924451020	N.MANJULA	N. Manjula
15	220333924451021	N.PAVANI	N. Pavani
16	220333924451022	N.SUREKHA	N. Surekha
17	220333924451023	P.ASHWINI	P. Ashwini
18	220333924451025	P.NANDINI	P. Nandini
19	220333924451026	R.ANITHA	R. Anitha


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20	220333924451027	R.BHAVANI	R. Bhavani
21	220333924451029	S.SHIRISHA	S. Shirisha
22	220333924451030	V.JYOTHI	V. Jyothi
23	220333924451031	C.K SUGUNA	C.K. Suguna
24	220333924451032	R.ANUSHA BHAI	R. Anusha Bhai
25	220333924451033	K.SRAVANTHI	K. Sravanthi


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5th February 2022

To

The Principal,

TTWRDC (W), Mahabubnagar

Subject: Request for Permission to Conduct an Extension Lecture on Life cycles of Algae

Respected Madam,

I, Jayalaxmi, DL in Botany, would like to bring to your kind attention that the Department of Botany intends to organize an extension lecture for the B.Sc. I Year B.Z.C. students. The lecture will focus on the topic "**Life cycles of Algae**" and is scheduled for **9th February 2022**.

This lecture aims to enhance the students' knowledge and understanding of Life cycles of Algae. We kindly request your permission to conduct this program as planned.

Thank you for considering our request.

Yours faithfully,

Jayalaxmi

Department of

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NOTICE

(Extension Lecture)

This is to inform all B.Sc. B.Z.C. students that the Department of Botany will be organizing an extension lecture on Life cycles of Algae to enhance your knowledge and interest in the subject.

The lecture will be delivered by Dr. G.Rajendar, Assistant Professor in Botany, MVS Government Degree Arts & Science College, Mahabubnagar.

Date: 9th February 2022. Time:
2:00 PM

Venue: Seminar hall

All students are required to attend the lecture without fail.


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Date: 9th February 2022

Topic: Life Cycles of Algae

Speaker: Dr. G. Rajendar, Assistant Professor in Botany, MVS Government Degree Arts & Science College, Mahabubnagar

Organized by: Department of Botany **Audience:**

B.Sc. B.Z.C. I Year Students **Attendance:** 24 students

Introduction

On 9th February 2022, the Department of Botany organized an extension lecture titled "Life Cycles of Algae." The session was conducted by Dr. G. Rajendar, Assistant Professor in Botany at MVS Government Degree Arts & Science College, Mahabubnagar. This lecture aimed to enhance the understanding of algae life cycles among the first-year B.Sc. B.Z.C. students.

Objectives

The primary objectives of the lecture were:

1. To provide a comprehensive overview of the different stages in the life cycles of algae.
2. To elucidate the biological and ecological significance of these life cycles.
3. To encourage student engagement and curiosity about algal biology.

Lecture Content

Dr. Rajendar delivered an informative and engaging presentation covering the following key points:

1. **Introduction to Algae:**
 - Definition and classification of algae.
 - Overview of the ecological roles and importance of algae in various environments.
2. **Life Cycles of Algae:**

- Detailed explanation of the general life cycle stages of algae, including gametophyte and sporophyte phases.
 - Distinction between different types of life cycles, such as haplontic, diplontic, and alternation of generations.
 - Examples from various algal groups, including green algae, brown algae, and red algae.
- 3. Biological and Ecological Significance:**
- Discussion on the role of algae in aquatic ecosystems.
 - Importance of algae in oxygen production, nutrient cycling, and as a food source for various organisms.
- 4. Practical Implications:**
- Insights into the practical applications of algal biology in industries such as agriculture, pharmaceuticals, and environmental management.

Audience Engagement

The lecture was well-received by the 24 attending B.Sc. B.Z.C. I Year students. Dr. Rajendar employed visual aids and interactive discussions to enhance student understanding and maintain engagement. The students were encouraged to ask questions and share their observations, which led to a lively and informative Q&A session.

Conclusion

Dr. G. Rajendar's extension lecture provided valuable insights into the complex life cycles of algae and their significance in both ecological and practical contexts. The session successfully met its objectives, contributing to the students' broader understanding of algal biology. The Department of Botany appreciates Dr. Rajendar's contribution and looks forward to more such enriching educational events.



Delivering the Lecture on Life Cycles of Algae



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ATTENDANCE OF THE STUDENTS

S.NO	Admission number	Name of the student	Signature
1	2103 3392 4451001	A POOJA	A.Pooja.
2	2103 3392 4451002	A MOUNIKA	A.Mounika
3	2103 3392 4451003	B SHIVALEELA	B.Shivaleela
4	2103 3392 4451004	CH VENNELA	ch.vennela.
5	2103 3392 4451006	G PAVANI	G.pavani
6	2103 3392 4451009	K GEETHA	K. Geetha
7	2103 3392 4451012	K TRIVENI	k. triveni
8	2103 3392 4451013	K SANDHYA	K.Sandhya.
9	2103 3392 4451016	M AISHWARYA	Aishwarya.M.
10	2103 3392 4451017	M PRIYANKA	M. priyanka
11	2103 3392 4451019	M RAJITHA	M. Rajitha
12	2103 3392 4451021	M SWETHA	M Swetha
13	2103 3392 4451022	N CHANDHANA	N.chandhana
14	2103 3392 4451024	P LALITHA	P.Lalitha
15	2103 3392 4451027	P.AKHILA	P. Akhila
16	2103 3392 4451028	R.SRIDEVI	R. Srikrishna
17	2103 3392 4451029	RJAYAMMA	R Jayamma
18	2103 3392 4451030	R.KAVITHA	R. kavitha.
19	2103 3392 4451031	S.SRAVANI	S. Sravani

20	2103 3392 4451033	S.MOUNIKA	S.Mounika
21	2103 3392 4451034	VENKATESWARI	venkateswari
22	2103 3392 4451036	V.SAROJA	V. Saroja
23	2103 3392 4451038	V.VASANTHA	V. Vasantha
24	2003 3392 445025	P.ANJALI	P. Anjali


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3rd July 2021

To

The Principal,

TTWRDC (W), Mahabubnagar

Subject: Request for Permission to Conduct an Extension Lecture on Biodiversity and Conservation

Respected Madam,

I, Jayalaxmi, DL in Botany, would like to bring to your kind attention that the Department of Botany intends to organize an extension lecture for the B.Sc. III Year B.Z.C. students. The lecture will focus on the topic "**Biodiversity and Conservation**" and is scheduled for **5th July 2021**.

This lecture aims to enhance the students' knowledge and understanding of biodiversity and its conservation. We kindly request your permission to conduct this program as planned.

Thank you for considering our request.

Yours faithfully,

Jayalaxmi

Department of

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NOTICE

(Extension Lecture)

This is to inform all B.Sc. B.Z.C. students that the Department of Botany will be organizing an extension lecture on **Biodiversity** to enhance your knowledge and interest in the subject.

The lecture will be delivered by Dr. P. Srinivasulu, Assistant Professor in Botany, Dr. BRR Government Degree College, Jadcherla.

Date: 5th July 2021 Time:
2:00 PM

Venue: B.Z.C – III Classroom

All students are required to attend the lecture without fail.


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Date: 5th July 2021

Topic: Biodiversity

Speaker: Dr. P. Srinivasulu, Assistant Professor in Botany, Dr. BRR Government Degree College, Jadcherla

Organized by: Department of Botany **Audience:**

B.Sc. B.Z.C. III Year Students **Attendance:** 26 students

Introduction

On **5th July 2021**, the Department of Botany organized an extension lecture for B.Sc. B.Z.C. III Year students. The lecture, titled "**Biodiversity**", was delivered by Dr. P. Srinivasulu, Assistant Professor in Botany at Dr. BRR Government Degree College, Jadcherla.

Lecture Overview

Dr. Srinivasulu provided an in-depth discussion on biodiversity, covering the following aspects:

- **Definition and Importance:** Dr. Srinivasulu began with a comprehensive definition of biodiversity and its significance in maintaining ecological balance.
- **Types of Biodiversity:** He explained the different levels of biodiversity, including genetic, species, and ecosystem diversity.
- **Threats to Biodiversity:** The lecture highlighted the various threats to biodiversity, such as habitat destruction, pollution, and climate change.
- **Conservation Strategies:** Dr. Srinivasulu discussed various strategies for the conservation of biodiversity, including protected areas, sustainable practices, and conservation policies.

Interactive Session

At the end of the lecture, Dr. Srinivasulu conducted a question-and-answer session, where he addressed various queries raised by the students. This interactive segment allowed students to clarify their doubts and gain deeper insights into the topic.

Attendance and Participation

A total of 26 students attended the lecture. The session was engaging, and the students actively participated in the discussions.

Conclusion

The extension lecture on **Biodiversity** was a highly informative and valuable session for the students. Dr. Srinivasulu's expert insights and thorough explanation greatly enhanced the students' understanding of biodiversity and its significance. The interactive Q&A session further contributed to a comprehensive learning experience.



Delivering the Lecture on Biodiversity



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ATTENDANCE OF THE STUDENTS

Hall Ticket NO :-	Name of the students	Signature
19033392445001	C. Ashwini	C. Ashwini
19033392445002	E. Akhila	Akhila
19033392445003	G. Madhavi	G. madhavi
19033392445004	G. Chandrika	G. Chandrika
19033392445005	G. Pavani	G. Pavani
19033392445006	K. Anusha	Anusha
19033392445007	K. Sunitha	K. Sunitha
19033392445008	K. Bhoomika	K. Bhoomika
19033392445010	K. Poojitha	Poojitha
19033392445011	K. Ramadevi	K. Ramadevi
19033392445012	M. Kavitha	M. Kavitha
19033392445014	M. Madhuri	madhuri
19033392445015	M. Shrishta	M. Shrishta
19033392445016	M. Jyothi	m. Jyothi
19033392445017	M. Sweetha	sweetna
19033392445018	N. Ambika	N. Ambika
19033392445019	N. Geetha	Geetha
19033392445020	N. Neelamma	N. Neelamma
19033392445021	N. Payal	N. Payal
19033392445022	P. Manika	P. Manika
19033392445023	P. Kasthuri	P. Kasthuri
19033392445024	P. Nikitha	P. Nikitha
19033392445025	P. Shantha	P. shantha
19033392445026	R. Mamatha	R. mamatha
19033392445027	S. Raja	Raja
19033392445029	V. Susheela	V. Susheela