



Shri Shivaji Education Society Amravati's **SCIENCE COLLEGE**

Congress Nagar, Nagpur - 440012 (M.S.) India.

Accredited with CGPA of 3.51 at 'A+' grade.

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- A Mentor College under UGC Paramarsh Scheme



DEPARTMENT OF BOTANY REPORT ON VISIT TO ITI BIOTECH, BETUL, M.P.

Academic Year

2019-2020




NOTICE

All students of B.Sc. III year Botany are informed that a Visit to Iti Biotech, Betul, M.P. will be conducted for the academic year 2019-20. The visit will showcase innovative research in plant breeding, molecular biology, and biotechnology. Interested students can contact coordinator Dr. Punita Tiwari.

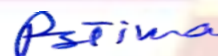
Date: 04/01/2020

Venue: Department of Botany



Head, Dept of Botany

Prof. R.N. Deshmukh
HEAD
DEPARTMENT OF BOTANY
SHRI SHIVAJI EDUCATION SOCIETY
AMRAVATI'S SCIENCE COLLEGE
CONGRESS NAGAR, NAGPUR



Coordinator

Prof. P. S. Tiwari

REPORT ON VISIT TO ITI BIOTECH, BETUL, M.P.

Academic Year: 2019-2020

Participants: Students of B.Sc. III Botany, SSES Amravati's Science College, Congress Nagar
Academic Year: 2019-2020

Objective: The visit to ITI Biotech, a prestigious central government laboratory in Betul, Madhya Pradesh, aimed to provide students with exposure to real-world applications and commercial implications of plant tissue culture technologies.

Overview: The visit to ITI Biotech presented an unparalleled opportunity for students to immerse themselves in the practical realm of plant tissue culture technologies. Assembled under the guidance of faculty members, the participants embarked on a journey of discovery, exploring the cutting-edge research facilities and engaging with seasoned researchers and industry professionals.

Key Highlights:

Introduction to ITI Biotech: Upon arrival, students were greeted with a warm welcome by the staff of ITI Biotech, who provided an overview of the institution's mission, research focus, and contributions to the field of biotechnology. The students gained insights into the central government's initiatives to promote scientific research and innovation.

Laboratory Tour: The highlight of the visit was a comprehensive tour of the state-of-the-art laboratories equipped with advanced instrumentation and infrastructure for plant tissue culture research. Students had the opportunity to witness firsthand the various stages of tissue culture processes, from explant preparation to culture initiation and maintenance.

Interactive Sessions: The visit included interactive sessions with researchers and industry professionals, allowing students to engage in meaningful discussions on the practical applications and commercial implications of plant tissue culture technologies. Seasoned experts shared their experiences, challenges, and success stories, inspiring students to envision the vast potential of biotechnological interventions in agriculture and beyond.

Case Studies and Demonstrations: Through case studies and live demonstrations, students gained insights into the real-world applications of plant tissue culture in crop improvement, disease management, and pharmaceutical production. They observed techniques for mass propagation of elite plant varieties, genetic transformation for trait enhancement, and production of high-value secondary metabolites.

Q&A Session: A lively question-and-answer session provided students with the opportunity to seek clarifications, delve deeper into specific topics, and interact directly with experts. The exchange of ideas and perspectives fostered a dynamic learning environment, encouraging students to critically evaluate the challenges and opportunities inherent in biotechnological research and development.

Outcomes: The visit to ITI Biotech proved to be a transformative experience for the students, offering them a glimpse into the multifaceted world of plant tissue culture technologies. The

firsthand exposure to advanced research facilities, coupled with interactions with seasoned professionals, enriched their understanding of the practical applications and commercial implications of biotechnology in agriculture and allied industries.

Conclusion: The visit to ITI Biotech served as a catalyst for inspiring students to pursue further studies and careers in the field of biotechnology. It reinforced the importance of bridging the gap between academia and industry, fostering collaboration and knowledge exchange for the advancement of scientific research and technological innovation.



Exploring the cutting-edge world of biotechnology at ITI BIOTECH, Betul, M.P. 



Diving deep into the realms of biotech with engaging interactive sessions at ITI BIOTECH, Betul, M.P.



Unlocking biotech's potential: From elite crop propagation to pharmaceutical advancements, ITI BIOTECH, Betul, M.P., showcases real-world applications

List of Participants :

Ku	Bahety ✓	R	G	Rah
Ku	Bawane ✓	S	H	Supriya.
Ku	Bawanthade ✓	R	V	Bhade.
Ku	Bhairam ✓	S	T	Sejal.
Ku	Bhingare ✓	R	R	Bhingare
	Chimalwar ✓	A	D	Chal.
Ku	Choudhari ✓	C	R	Choudhari.
Ku	Deshkar ✓	G	A	Deshkar.
Ku	Dhote ✓	S	S	Dhote.
	Gedam ✓	I	R	Gedam.
Ku	Ghare ✓	M	M	Ghare.
Ku	Hadke ✓	T	S	Hadke.
Ku	Hedau ✓	S	B	Hedau.
Ku	Hote ✓	B	A	Hote.
Ku	Kamble ✓	S	R	Kamble.
Ku	Khobragade ✓	R	S	Khobragade.
	Lanjewar ✓	J	M	Lanjewar.
Ku	Mishra ✓	B	P	Mishra.
Ku	Mundhe ✓	D	S	Mundhe.
	Pandhrey ✓	S	G	Pandhrey.
Ku	Parate ✓	N	K	Parate.
Ku	Raghuse ✓	N	B	Raghuse.
	Raipurkar ✓	S	K	Raipurkar.
Ku	Salve ✓	S	S	Salve.
Ku	Shingade ✓	S	G	Shingade.
Ku	Thakare ✓	M	S	Thakare.
Ku	Thakur ✓	V	M	Thakur.
	Uparkar ✓	N	S	Uparkar.
Ku	Yogaonkar ✓	I	P	Yogaonkar.



P. S. Tiwari

Coordinator

Prof. P. S. Tiwari

Action Taken Report

The visit to ITI Biotech, Betul, provided B.Sc. III Botany students with valuable exposure to advanced plant tissue culture technologies. The experience highlighted the institution's cutting-edge research facilities and offered insightful interactions with researchers. Based on the visit, actions taken include enhancing curriculum with practical insights from the visit, integrating case studies into coursework, and planning future industry visits to deepen students' understanding of biotechnology applications. Feedback from participants will be used to refine and improve future academic visits and programs.

FEEDBACK FORM

Sr.No.	Question	Response		
		Good	Better	Average
1)	Overall satisfaction with the visit to ITI Biotech?			
2)	Quality of the laboratory tour?			
3)	Usefulness of interactive sessions with experts?			
4)	Relevance of case studies and demonstrations?			

