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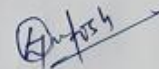
**ARKA JAIN**
University
Jharkhand

DEPARTMENT OF BIOTECHNOLOGY
SCHOOL OF HEALTH & ALLIED SCIENCE
CIRCULAR

Ref. No. AJU/SOHAS/142/25

17/05/25

This is to inform all the students of B.Sc. Biotechnology, Department of Biotechnology, School of Health and Allied Science that an Expert Talk will be organised on **"Role of Plant Biotechnology in Pharmaceutical Industry"** on 17th May 2025 in Room no 137 A-Block Arka Jain University. The Expert resource person is Dr. Vishwaraj, Assistant Professor, Women's University Jamshedpur



Dr. Santosh Kumar Singh
Head of Department
Department of Biotechnology
School of Health & Allied Science
HOD
Department of Biotechnology
School of Health & Allied Science
ARKA JAIN University, Jharkhand

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ROLE OF PLANT BIOTECHNOLOGY IN PHARMACEUTICAL INDUSTRY”

Date of Event	17th May 2025
Name of the Event	Expert Talk “Role of Plant Biotechnology in Pharmaceutical Industry”
Type of the Event	Academic
Conducted by	Dr. Pratima Srivastava
No. of Participants	27

OBJECTIVE: The objective of the expert talk was to provide the insight to explore and highlight the pivotal role of Plant Biotechnology in advancing the pharmaceutical industry. The aim was to discuss the recent innovations, applications in drug development, production of therapeutic compounds, and the potential of genetically engineered plants in improving healthcare solutions.

DETAILS:

This expert talk was organized to provide in-depth insights into the growing importance of plant biotechnology in the pharmaceutical industry. The Expert speaker for the session was **Dr. Vishwaraj Sir, Head, Department of Biotechnology, Women’s University**. The participants were all the students of B.Sc. Biotechnology. The speaker covered the topics such as plant-based drug production, molecular farming, genetically modified plants for therapeutic uses, and the future prospects of plant-derived pharmaceuticals. The session aims to bridge the gap between academic research and industrial applications, encouraging participants to explore Plant Biotechnology as a viable platform for pharmaceutical innovation.

Key Highlights:

- Role of Transgenic plants in medicine production
- Plant-made vaccines and Biopharmaceuticals
- Benefits and challenges of using plant systems in Pharma
- Real-world case studies and current research trends

TAKEAWAY (OUTCOMES): The expert talk on *"Role of Plant Biotechnology in Pharmaceutical Industry"* Dr. Vishwaraj explores the transformative potential of plant-based biotechnological innovations in modern medicine. This session delves into how genetically modified plants, plant cell cultures, and molecular farming are revolutionizing drug discovery, development, and production. Emphasis is placed on the use of plants as Bio factories for producing vaccines, therapeutic proteins, secondary metabolites, and other high-value pharmaceutical compounds. The speaker discusses the advantages of plant systems, including cost-effectiveness, scalability, and reduced risk of contamination, alongside challenges such as regulatory hurdles and public perception. Case studies on successful plant-derived pharmaceuticals and current research trends highlight the growing significance of plant biotechnology as a sustainable and versatile tool in the pharmaceutical industry. This talk aimed to provide insights into current advancements and future directions, bridging the gap between plant science and therapeutic innovation.

POSTER OF THE EVENT

ARKA JAIN
University
JharkhandNAAC
GRADE A
ACCREDITED UNIVERSITY

Department of Biotechnology

Organizes Expert Talk on

"Role of Plant Biotechnology in
Pharmaceutical Industry"Date: 17th May 2025
Room No. 137
A-BlockDr. Vishwaraj
Assistant Professor
Department of Biotechnolgy
Women's University, JamshedpurConvenor: Dr. Santosh kumar Singh
Co-ordinator: Dr. pratima srivastava

PHOTOS OF THE EVENT



Fig 1. Dr. Vishwaraj HOD Department of Biotechnology, Women's University interacting with the students of B.Sc. Biotechnology



Fig 2. Expert explained the students about "Role of Plant Biotechnology in Pharmaceutical Industry"





Fig 3. Students asked their doubts regarding scope in the field of Biopharmaceuticals



Fig 4. Dr. Vishwaraj explained the students about the carrier options in the field of Plant Biotechnology

LIST OF PARTICIPANTS


ARKA JAIN University
 Jharkhand
 

DEPARTMENT OF BIOTECHNOLOGY
SCHOOL OF ALLIED HEALTH SCIENCE
ATTENDANCE SHEET

EXPERT TALK : "ROLE OF PLANT BIOTECHNOLOGY IN PHARMACEUTICAL INDUSTRY (17- May 2025)"

S.No.	Name of the Student	Enrolment No.	Semester	Signature
1	Priyanka Mandal	AJU/241701	2	Priyanka Mandal
2	Jyotsana Bharti	AJU/241061	2	Jyotsana
3	Ravi Kankushwaha	AJU/241247	II	Ravi
4	Kun Kim Kumar Sahu	AJU/241495	II nd	Kun Kim Sahu
5	Aparna Mahato	AJU/240839	II nd	Aparna
6	Rohit	240592	II	Rohit
7	Priyanka K. Puri	241296	II	Priyanka
8	Paratibha Kujur	241506	II	Paratibha
9	Rajal Singh	AJU/241330	II	Rajal Singh
10	Aarti Kumari	AJU/241385	II	Aarti Kumari
11	Ofra Jahangir	AJU/241580	II	Ofra
12	Anaiya Intekhab	AJU/241588	II	Anaiya Intekhab
13	Ayushi Avastika	AJU/241872	II	Ayushi Avastika
14	Anushka Shaw	AJU/241020	II	Anushka
15	Smriti Singh	AJU/241429	II	Smriti
16	Arshi Kumari	AJU/241956	2 nd	Arshi Kumari
17	Shreya Kori Verma	AJU/242044	II nd	Shreya Verma
18	Kirti Bala	AJU/242160	II nd	Kirti

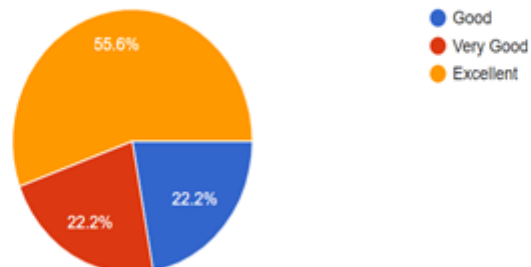
19	Sanjana Kumari	AJU/241772	II	Sanjana Kumari
20	Priyanka Kumari	AJU/241709	II	Priyanka Kumari
21	Kritika Kumari	AJU/241844	II	Kritika
22	Angel Shukla	AJU/231280	V	Angel Shukla
23	Ananya Mishra	AJU/230805	V	Ananya
24	Nidhi Agarwal	AJU/230063	V	Nidhi
25	Tanya Kumari	AJU/230659	V	Tanya
26	Chirag Agarwal	AJU/231113	V	Chirag
27	Aryon Kesharwani	AJU/231414	V	Aryon
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 Dr. Santosh Kumar Singh
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 HOD
 Department of Biotechnology
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 ARKA JAIN University, Jharkhand

FEEDBACK ANALYSIS

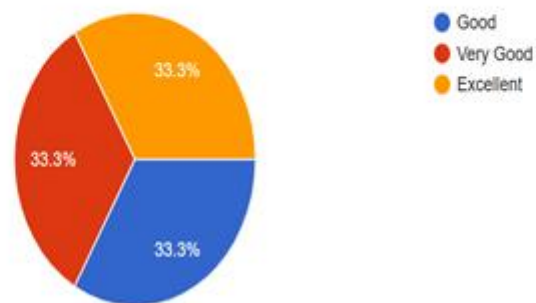
1. How would you rate the quality of the talk

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2. What was the overall impression of the speaker

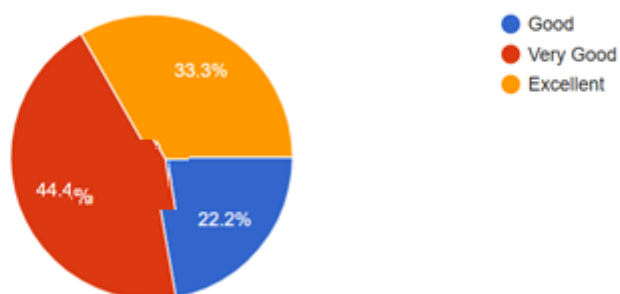
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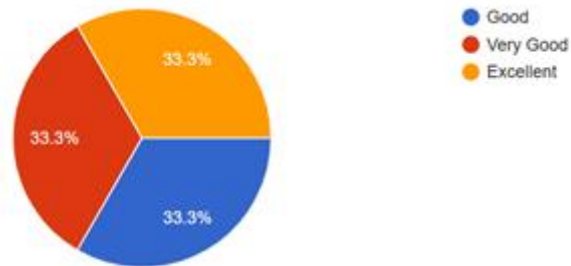
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3. Rate the coordination and Commencement of the Event





4. Rate the interaction while question answer session with the speaker



5. Would you like to attend more Expert talk similar to this

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