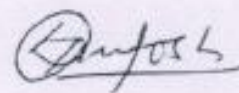


CIRCULAR

**ARKA JAIN**
University
Jharkhand**DEPARTMENT OF BIOTECHNOLOGY****SCHOOL OF HEALTH & ALLIED SCIENCE****CIRCULAR****Ref. No: AJU/SOHAS/073/25****Date: 11/03/2025**

This is to inform all the students of B.Sc. Biotechnology 4th semester, Department of Biotechnology, School of Health and Allied Science that Expert Lecture Series (5) will be organized on "Application of Biotechnology Tools in Molecular Diagnostics". Lectures will be organized in Room No. 137 A- Block from 24th March to 28th March 2025 between 12:30 PM to 2:30 PM.



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

HOD

Department of Biotechnology
School of Health & Allied Science
ARKA JAIN University, Jharkhand

Copy for information & necessary action please:-

1. PS to the Vice-Chancellor
2. PS to the Director
3. PS to the Registrar
4. In charge Web services for Website
5. Notice Board
6. Guard File

EXPERT LECTURE SERIES “APPLICATION OF BIOTECHNOLOGY TOOLS IN MOLECULAR DIAGNOSTICS”

Date of Event	24.03.2025-28.03.2025
Name of the Event	Application of Biotechnology Tools in Molecular Diagnostics
Type of the Event	Academic
Conducted by	Department of Biotechnology
No. Of Participant	10

Objective: The objective of this Expert Lecture Series is to enhance the knowledge and understanding of students regarding the latest advancements and practical applications of biotechnology tools in the field of molecular diagnostics. This series aims to bridge the gap between theoretical concepts and real-world clinical and research applications by introducing cutting-edge technologies such as HPLC, Flow cytometer, CRISPR and NGS. Through interactive lectures by domain experts, the program seeks to:

- Foster interdisciplinary learning and innovation in diagnostic sciences,
- Promote awareness of current trends in disease detection and genetic analysis,
- Encourage translational research and the integration of molecular diagnostics in healthcare settings.

Details of the Event: Department of Biotechnology organized an expert lecture talk on “Application of Biotechnology Tools in Molecular Diagnostics”. The target audience was 4th semester B.Sc. Biotechnology students. Key topics covered were HPLC, GLC and flow cytometer: instrumentation and application in molecular diagnostics. Resource persons were esteemed experts Dr. Shweta, Associate Professor and Mr. Alok Kumar Moharana, Associate Professor, School of Pharmacy, Arka Jain University delivered sessions and interacted with participants.

Outcome: The Expert Talk series help the students to take the insights about:

1. Understand the Principles of key biotechnology tools used in molecular diagnostics, such as HPLC, Flow cytometer, CRISPR and NGS.
2. Interpret Diagnostic Applications of molecular biology techniques in the detection and monitoring of infectious diseases, genetic disorders, and cancer.
3. Develop Critical Thinking and Research Orientation for integrating molecular diagnostic tools in academic, clinical, and laboratory research settings.
4. Establish Collaborative Networks with domain experts and peers for potential research and professional opportunities in the field of molecular diagnostics.

POSTER OF THE EVENT

ARKA JAIN
University
Jharkhand

DEPARTMENT OF BIOTECHNOLOGY

**Expert Lecture Series on
“Application of Biotechnology Tools in
Molecular Diagnostics”
24th -28th March 2025****Expert Resource Person**

Dr. Shweta
Associate Professor
School of Pharmacy
Arka Jain University



Mr Alok Kumar Moharana
Associate Professor
School of Pharmacy
Arka Jain University



ROOM NO-136
A-BLOCK
2.30PM TO 4.30PM

For More Details, visit: www.arkajainuniversity.ac.in

GLIMPSE OF THE EVENT



Fig. 1. B.Sc. Biotechnology 3rd semester students attending session on “High-Performance Liquid Chromatography) and Gas-Liquid Chromatography



Fig. 2. Dr. Shweta delivering session on Fluorescence-activated cell sorting (FACS)



Fig. 3. B.Sc. Biotechnology 3rd semester students attending session on “Fluorescence-activated cell sorting”

LIST OF PARTICIPATES


ARKA JAIN University
 Jharkhand
 

DEPARTMENT OF BIOTECHNOLOGY
SCHOOL OF HEALTH & ALLIED SCIENCE
LECTURE SERIES - "Application of Biotechnology in Molecular Diagnostics"
ATTENDANCE SHEET

S. No.	Name of the Student	Enrolment No.	24/03/25	25/03/25	26/3/25	27/3/25	28/3/25
1.	Nidhi Agarwal	AJU/230063	Nidhi Agarwal	Nidhi Agarwal	Nidhi Agarwal	Nidhi Agarwal	Nidhi Agarwal
2.	Manisha Kumari Singh	AJU/230376	Manisha Kumari Singh	Manisha Kumari Singh	Manisha Kumari Singh	Manisha Kumari Singh	Manisha Kumari Singh
3.	Tanya Kumari	AJU/230659	Tanya Kumari	Tanya Kumari	Tanya Kumari	Tanya Kumari	Tanya Kumari
4.	Ananya Mishra	AJU/230805	Ananya	Ananya	Ananya	Ananya	Ananya
5.	Chirag Agarwal	AJU/231113	Chirag Agarwal	Chirag Agarwal	Chirag Agarwal	Chirag Agarwal	Chirag Agarwal
6.	Karishma Kumari Yadav	AJU/231122	Karishma	Karishma	Karishma	Karishma	Karishma
7.	Angel Shukla	AJU/231280	Angel Shukla	Angel Shukla	Angel Shukla	Angel Shukla	Angel Shukla
8.	Priya Rai	AJU/231428	Priya	Priya	Priya	Priya	Priya
9.	Aryan Kesharwani	AJU/231494	Aryan	Aryan	Aryan	Aryan	Aryan
10.	Annu Mahato	AJU/231683	Annu	Annu	Annu	Annu	Annu

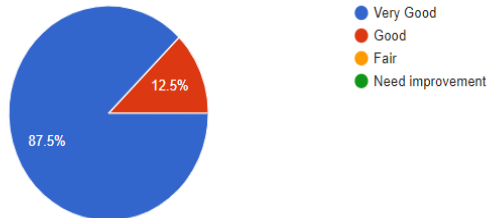

Dr. Santosh Kumar Singh
 Head of Department
 Department of Biotechnology
 ARKA JAIN University
 HOD
 Department of Biotechnology
 School of Health & Allied Science
 ARKA JAIN University, Jharkhand

FEED BACK REPORT

How was the Course Content included in the class

 Copy

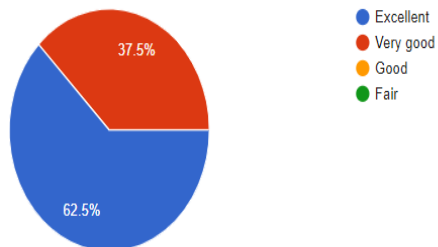
8 responses



Rate the Teaching-Learning process for the Lecture series

 Copy

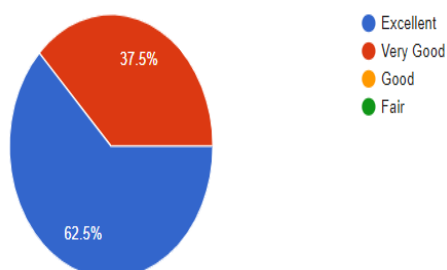
8 responses



Rate the co-ordination of the commencement of the Lecture series

 Copy

8 responses





CERTIFICATE OF APPRECIATION TO THE EXPERT



CERTIFICATE

OF APPRECIATION

DEPARTMENT OF BIOTECHNOLOGY

This certificate is proudly presented to

Dr. Shweta

ASSOCIATE PROFESSOR, SCHOOL OF PHARMACY

ARKA JAIN University

For Being Resource Person in Lecture Series 5.0

"Application of Biotechnology Tools in Molecular Diagnostics"

24th March to 28th March 2025

Dr. Santosh Kumar Singh
Head of Department
Department of Biotechnology
ARKA JAIN University

Dr. Pratima Srivastava
Assistant Professor
Department of Biotechnology
ARKA JAIN University



CERTIFICATE

OF APPRECIATION

DEPARTMENT OF BIOTECHNOLOGY

This certificate is proudly presented to

Mr. Alok Kumar Moharana

ASSOCIATE PROFESSOR, SCHOOL OF PHARMACY

ARKA JAIN University

For Being Resource Person in Lecture Series 2

"Application of Biotechnology Tools in Molecular Diagnostics"

24th March to 28th March 2025

Dr. Santosh Kumar Singh

Head of Department
Department of Biotechnology
ARKA JAIN University

Dr. Pratima Srivastava

Assistant Professor
Department of Biotechnology
ARKA JAIN University