

REPORT

on

One-Day Workshop on ‘Molecular Biology and Proteomics’

Organized at

Govt. Mohindra College, Patiala, Punjab

on

25th February 2025

by



Department of Biotechnology and Bioinformatics

Jaypee University of Information Technology

Waknaghat, Solan

On 25th February 2025, a One Day Workshop was organized by **Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Waknaghat, Solan (H.P.)** in collaboration with **Govt. Mohindra College, Patiala, Punjab** in the domain of ‘**Molecular Biology and Proteomics**’.

The workshop was arranged by Prof. Sudhir Kumar, HoD BT & BI, JUIT and Prof. Rommy Garg, HoD Dept. of Biotechnology, Mohindra College and Dr. Suneet Kumar, Finance Secretary, HEIS, Mohindra College, as Coveners. Dr. Rahul Shrivastava & Dr. Jitendraa Vashistt from Deptt. of BTBI JUIT, were the Resource Person for the entire workshop. Ms. Akansha Nayyar and Ms. Alefia Jaret, Ph.D. scholars from the Dept. BTBI, JUIT assisted in the practical demonstrations and hands-on sessions as Technical Experts.

Over 45 B.Sc. (Biotechnology) students took part in the workshop, accompanied by faculty members from Mohindra College, Shimla, who also actively engaged in the sessions. The primary aim of the workshop was to inspire and educate students by exposing them to various fields within science. It featured live demonstrations and hands-on training in emerging areas of Molecular Biology and Proteomic Technologies.

The workshop offered valuable insights into Molecular Biology and the latest developments in Proteomics, enriching students’ understanding of these dynamic fields. Additionally, the resource person conducted Career Counseling session, guiding students about diverse career opportunities within the Biotech industry. Questions related to placements and higher education were also addressed, with guidance provided on postgraduate programs offered at JUIT.

The workshop was conducted by resource persons from the Department of Biotechnology & Bioinformatics, JUIT, Waknaghat. Dr. Rahul Shrivastava delivered a hands-on demonstration of cloning techniques commonly used in Molecular Biology, including the Blue-White Screening method for selecting recombinant vectors during foreign gene insertion. Dr. Jitendraa Vashistt led a live practical session on advanced proteomic technologies, featuring a hands-on demonstration of Sodium Dodecyl Sulfate-Polyacrylamide Gel Electrophoresis (SDS-PAGE), a technique used to separate proteins based on molecular weight.

Following the demonstrations, students participated in hands-on practice sessions, supported by faculty Dr. Taranpreet, Dr. Jyoti, and staff members Ms. Jasmine Kaur and Ms. Rasmi Roy from Mohindra College, Patiala, along with Ph.D. scholars Ms. Akansha and Ms. Alefia from the Department of Biotechnology, JUIT, Solan, who played an integral role in coordinating and facilitating the workshop.

The administration of Mohindra College, Patiala extended their heartfelt thanks to the JUIT administration and the resource persons for their dedicated efforts and support. The collective contributions of JUIT's administration, faculty, staff, and research scholars played a vital role in ensuring the success of the workshop. Prof. Rajendra Kumar Sharma, Vice Chancellor of JUIT, and Dr. Sukhwinder Singh, Principal of Mohindra College, Patiala, expressed their appreciation and satisfaction with the successful execution of the event

Thanks

Dr. Rahul Shrivastava, Dr. Jitendraa Vashistt



One Day Hands-On Workshop

MOLECULAR BIOLOGY AND PROTEOMICS

Organized by

Jaypee University of Information Technology (JUIT) , Waknaghat , Solan

&

Govt. Mohindra College, Patiala, Punjab

PATRON

Shri Manu Bhaskar Gaur
Chief Executive officer, JUIT, Solan

Prof. R.K.Sharma
Vice Chancellor, JUIT, Solan

Prof. (Dr.) Sukhwinder Singh
Principal, Govt. Mohindra College, Patiala

Prof. (Dr.) Sudhir Kumar
HOD, BT & BI, JUIT, Solan

Convener

Prof. (Dr.) Prof Rommy Garg

Associate Professor and Head,
Department of Biotechnology,
Govt. Mohindra College, Patiala.

Dr. Suneet Kumar

Finance Secretary HEIS, Government Mohindra
College Patiala

Resource Persons

Prof. (Dr.) Rahul Shrivastava, Professor
Department of Biotechnology & Bioinformatics,
JUIT, Waknaghat, Solan (H.P.)
Email Id:rahul.shrivastava@juitsolan.in
(Mob.) 9882628534
(Session on:- Molecular Biology)

Dr. Jitendraa Vashistt

Associate Professor, Department of Biotechnology
& Bioinformatics, JUIT, Waknaghat, Solan (H.P.)
Email Id: jitendraa.vashistt@juitsolan.in
(Mob.) 9999786001
(Session on :- Proteomics)

Target Audience

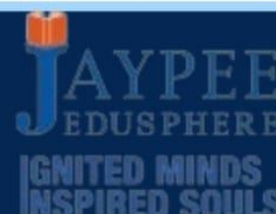
- Undergraduate/Postgraduate, Science Students

DATE & TIME

25th February, 2025

Time: 10:00 AM - 4:00 PM

<https://www.juit.ac.in/biotechnology-bioinformatics>













Date - 25/02/2025

EVENT: Hands-on Workshop on Molecular Biology & Proteomics

S.No.	Name of Student	Class	College Roll No.	Remarks
1	Jyoti	Bsc(H)Biotech	5605	Jyoti
2	Rajwinder Kaur	Bsc. Biotech	5601	Rajwinder Kaur
3	Mandeep Kaur	BSc Biotech (H)	5616	Mandeep Kaur
4	Rajnish Kaur	BSc (H) Biotech	5614	Rajnish Kaur
5	Manpreet Kaur	BSc(H)Biotech	5613	Manpreet Kaur
6	Anchal Kaur	BSc (H) Biotech	5609	Anchal Kaur
7	Kritika Garg	Bsc (H) Biotech	5604	Kritika
8	Niharika	BSc (H) Biotech	5602	Niharika
9	Kanchan	BSc (H) Biotech	5608	Kanchan
10	Navneet Kaur	Bsc (H) Biotech	6605	Navneet Kaur
11	Simranjeet Kaur	Bsc (H) Biotech	6603	Simranjeet Duff.
12	Arshdeep Kaur	Bsc (H) Biotech	6602	Arshdeep Kaur
13	Arshdeep Kaur	Bsc (H) Biotech	6601	Arshdeep Kaur
14	Jasika Verma	Bsc (H) Biotech	6604	Jasika Verma
15	Jasbarn Singh	Bsc (H) Biotech	6606	Jasbarn Singh
16	Gaganpreet Kaur	Bsc (H) Biotech	5603	Gaganpreet Kaur
17	Sadika	Bsc (H) Biotech	5611	Sadika
18	Sameer	Bsc (H) Biotech	5615	Sameer
19	Jharna	Bsc (H) Biotech	5621	Jharna
20	Dikshant Baneal	Bsc (H) Biotech	5607	Dikshant Baneal
21	Himanshu	Bsc (H) Biotech	5620	Himanshu
22	Karan Kumar	Bsc (H) Biotech	5618	Karan
23	Mehakpreet Singh	Bsc (H) Biotech	5623	Mehakpreet Singh
24	Armaan	Bsc (H) Biotech	5619	Armaan Sharma
25	Amit	Bsc (H) Biotech	5610	Amit Sharma

Date - 25/02/2025

EVENT: Hands-on Workshop on Molecular Biology & Proteomics

S.No.	Name of Student	Class	College Roll No.	Remarks
26	Manjot	Bsc (H) Biotech	5617	Manjot
27	Guragreet Singh	BSC (H) Biotech	4609	Guragreet Singh
28	Aashdeep Singh	BSC (H) Biotech	4618	Aashdeep Singh
29	Harveen Kaur	BSC (H) Biotech	4622	Harveen Kaur
30	Neha Kumar	BSC (H) Biotech	4620	Neha Kumar
31	Mohit Kumar	BSC (H) Biotech	4604	Mohit Kumar
32	Dnyam Jainmal	BSC (H) Biotech	4605	Dnyam Jainmal
33	Jaspreet Kaur	BSC (H) Biotech	4619	Jaspreet Kaur
34	Meharpreet Kaur	BSC (H) Biotech	4621	Meharpreet Kaur
35	Komal Rani	BSC (H) Biotech	4608	Komal Rani
36	Gurpreet Kaur	BSC (H) Biotech	4613	Gurpreet Kaur
37	Subhpreet Kaur	BSC (H) Biotech	4612	Subhpreet Kaur
38	Manjot Kaur	BSC (H) Biotech	4606	Manjot Kaur
39	Deepi Kaur	BSC (H) Biotech	4616	Deepi Kaur
40	Lovepreet Kaur	BSC (H) Biotech	4614	Lovepreet Kaur
41	Nandpreet Kaur	BSC (H) Biotech	4601	Nandpreet Kaur
42	Lojika Soni	BSC (H) Biotech	4602	Lojika Soni
43	Khushpreet Kaur	BSC (H) Biotech	4603	Khushpreet Kaur
44	Devanshi	BSC (H) Biotech	4610	Devanshi
45	Seema	BSC (H) Biotech	4623	Seema
46	Khushpreet Kaur	BSC (H) Biotech	4607	Khushpreet Kaur