

SHRI LAL BAHADUR SHASTRI DEGREE COLLEGE, GONDA

(Affiliated to Dr. Ram Manohar Lohiya Avadh University, Ayodhya, (U.P))



Department of Botany

One Day Workshop

On

Genomics and Proteomics in Disease

Prediction and Risk Assessment

Conducted

on

10, October 2023

2023-2024

Detailed Report:

The Internal Quality Assurance Cell and Department of Botany, Shri Lal Bahadur Shastri Degree College, Gonda jointly organised a one-day workshop on **Genomics and Proteomics in Disease Prediction and Risk Assessment** on 14, April 2024. The students of M. Sc. IInd & IVth Semester. Warmly Participated the workshop.

Invited Speakers:

		
<p>Prof. Ravindra Kumar (Principal)</p>	<p>Dr. Prachi Srivastva Main Speaker Department of Biotechnology Amity University</p>	<p>Dr. S.C. Tripathi Ex- Principal Kisan P.G. Bahraich</p>

A SERIES OF THE LECTURES FOR THE
STUDENTS OF B.Sc III (BOTONY AND ZOOLOGY)

Guest speaker **Dr. Prachi Srivastava**
Asst. Professor
Dept. of Biotechnology
Amity University Lucknow U.P

10/10/2023

Topic- Gene to genomics, protein to Proteomics:
A Promising Future of Biotechnology

Organised by-

Prof. S.K. Srivastava
Head, Department of Botany

S.L.B.S DEGREE COLLEGE GONDA



Schedule	Organizers
First- Session	Patron Prof. Ravindra Kumar
10:00 to 10:15 am Inaugural Session	Convener Prof. S. K. Srivastava
Lecture- Prof. Ravindra Kumar Time- 10:15 to 11:30 am	Organizing Secretary Dr. Rekha Sharma
Main Speaker Dr. Prachi Srivastava Time- 11:30 – 01:30 pm.	Joint Organizing Secretary Dr. Sanjay Kumar Dr. Priyanka Srivastava
Lunch 01:30 pm to 02:00 pm	Member Dr. Drinkal Yadav Mr. Krishna Mohan Tripathi
Lecture - Dr. N.K. Singh (Ex- Principal M.L.K. (P.G.) College Balrampur) Time 02:00 to 03:00 pm	
Lecture- Dr. Rekha Sharma Time – 03:00 to 04:15 pm.	
Tea Time 04:15 to 04:30 pm	
Valadiatory Session Time – 04:30 pm.	

Activities of the workshop

The inaugural session started by lightening the lamp on the statue of Goddess Saraswati. At 10:00 am technical session started with the welcome speech by Dr. Rekha Sharma. She introduced the attendees with the schedule and timeline of the workshop.

In the first session Prof. Ravindra Kumar Principal of the college delivered a lecture on Scope of Genetics in human welfare. The main speaker Dr. Prachi Srivastava Delivered her talk among the students and focused on the Topic: **Genomics and Proteomics in Disease Prediction and Risk Assessment.**

After lunch, the second technical session started with the lecture of Dr.S.C.Tripathi on the topic **Tools and techniques in Cytogenetic studies.** The last lecture was delivered by Dr. Sanjay Kumar on Gene Splicing. In the valedictory session vote of thanks was given by Prof. S.K. Srivastava to all speakers, students and other staff members.

Impact of the Workshop

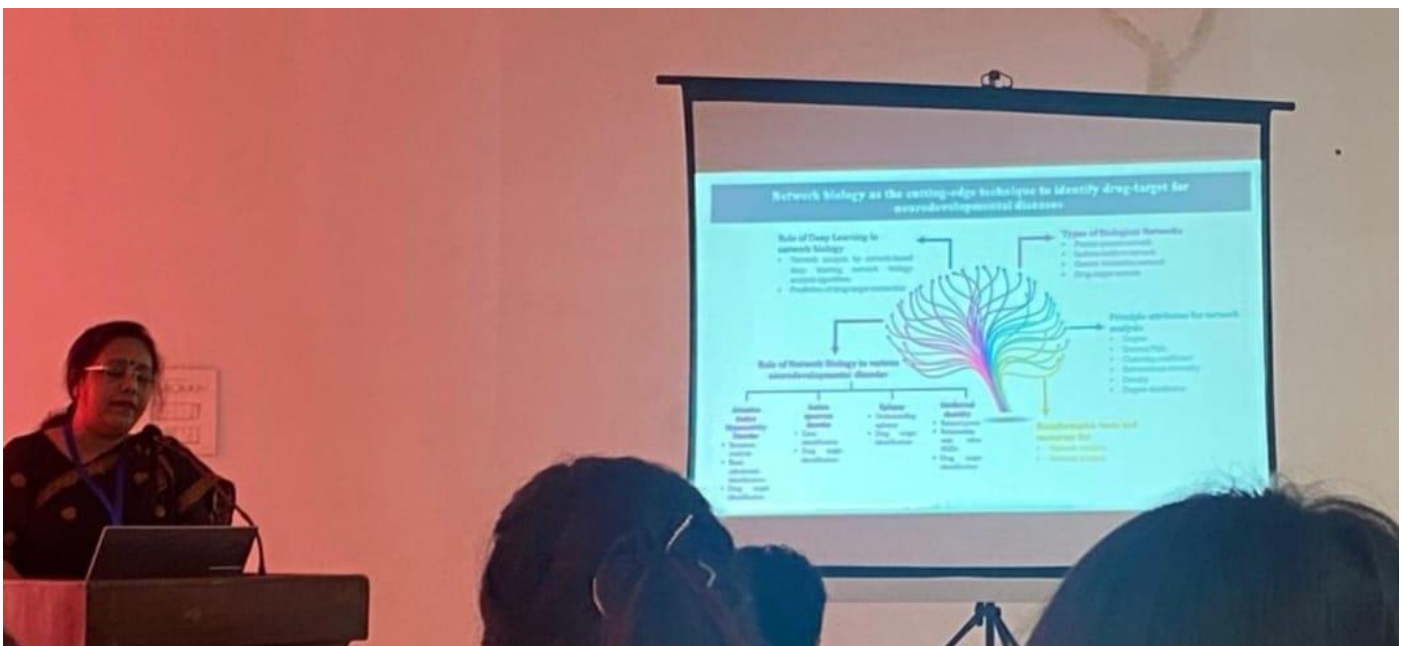
A workshop on genomics and proteomics in disease prediction and risk assessment can have a significant impact in several ways:

1. **Advancements in personalized medicine:** Integrating genomics and proteomics for tailored disease prevention and treatment.
2. **Improved disease prediction:** Enhancing accuracy and reliability of disease prediction models using multi-omics approaches.
3. **Risk assessment and stratification:** Identifying high-risk individuals and developing targeted interventions.
4. **Biomarker discovery:** Uncovering novel biomarkers for early disease detection and monitoring.
5. **Therapeutic target identification:** Revealing new targets for drug development and therapy.
6. **Data analysis and integration:** Developing innovative methods for integrating and analyzing large-scale omics data.
7. **Collaboration and knowledge sharing:** Fostering interdisciplinary collaborations and sharing expertise.
8. **Translational research:** Accelerating the translation of research findings into clinical practice.
9. **Ethical considerations:** Addressing ethical implications of genomics and proteomics in disease prediction and risk assessment.
10. **Capacity building and training:** Enhancing skills and expertise in genomics, proteomics, and bioinformatics among researchers and clinicians.
11. **Informing healthcare policy:** Shaping policy and guidelines for the implementation of genomics and proteomics in healthcare.
12. **Public awareness and education:** Educating the public about the benefits and limitations of genomics and proteomics in disease prediction and risk assessment.

This workshop can drive progress in disease prediction, risk assessment, and personalized medicine, ultimately improving human health.



Main Speaker Dr. Prachi Srivastava





Auditorium



Dr. S.C. Tripathi

LIST OF PARTICIPANTS:**M. Sc. IVth Sem.**

SR.NO.	STUDENTS NAME	SR.NO.	STUDENTS NAME
1.	Priyanshu Mishra	18.	Laxmi Yadav
2.	Shalu singh	19.	Saumya tripathi
3.	Vaishnavi Pandey	20.	Sushmita Tripathi
4.	sudha singh	21.	Sivani Singh
5.	Ragni Tiwari	22.	Afreen Khan
6.	Arham rafi	23.	Km. Shaheen Bano
7.	Reshma Bano	24.	Khusbu Soni
8.	Anjali Gupta	25.	Amrita Srivastava
9.	Divyanshi Srivastava	26.	Uma Devi
10.	Abhishek kumar	27.	Nidhi Mishra
11.	Nitesh Kumart Tiwari	28.	Pradeep Kumar Verma
12.	Devid kumar	29.	Sabreen Bano
13.	Anurag Chaturvedi	30.	Komal Shukla
14.	Sanjeev kumar	31.	Sumaiya Fatima
15.	Nisha modanwal	32.	Archna Tiwari
16.	Sonam Mishra	33.	Fauzia Ahsan Siddiqui
17.	Mehvish Naz	34.	Ku. Rubee Bharti

M.Sc. IInd Semester:

SR.NO.	STUDENTS NAME	SR.NO.	STUDENTS NAME
1.	Vivek Kumar Yadav	20.	Soni Pandey
2.	Amit Kumar Singh	21.	Shivangi Balmiki
3.	Arpita Singh	22.	Monu Shukla
4.	Prachi Ojha	23.	Chandra Prakash Yadav
5.	Nishu Yadav	24.	Anjali
6.	Shreshtha Mishra	25.	Mohini Gupta
7.	Preeti Pandey	26.	Priyanka Singh
8.	Parul Shukla	27.	Shushma Prajapati
9.	Vikash Adhikari	28.	Vishal
10.	Laxmi Yadav	29.	Avinash Dubey
11.	Niharika Shukla	30.	Divya Mishra
12.	Sandeep Kumar Maurya	31.	Lakshmi Mishra
13.	Uzma Yasmeen	32.	Sonali Pathak
14.	Pooja Devi	33.	Ekta Singh
15.	Akhilesh	34.	Insha Ansari
16.	Manish Chandra Dubey	35.	Shruti Pandey
17.	Nupur Tiwari	36.	Rupali Shukla
18.	Priyanka Pandey	37.	Neeraj Dubey
19.	Neha Kasaudhan	38.	Srishti Gupta