FACULTY TRAINING

on

Integrating Molecular, Microbial and Bioinformatic Techniques in Applied Agriculture & Allied Sciences

(September 9 - 22, 2026)

Inaugural Function

September 9, 2026

11:00 AM

Dean's Committee Room

College of Biotechnology

Dr. Triveni Dutt

Hon'ble Vice-Chancellor

will be the Chief Guest

Dr. Rekha Dixit **Dr. Rajendra Singh**

Course Convenor

Dr. R. S. Sengar

Dean, College of Biotechnology

Dr. Pankaj Kumar

Principal Coordinator, CoE & Course Director

Organized by:

Centre of Excellence in Agri Biotechnology, UPCST &

DBT-Bioinformatics Infrastructure Facility, College of Biotechnology

Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut–250110

Faculty Training

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Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250110

11.00 Hrs	Lighting of the Lamp & Saraswati Vandana	**Dignitaries on the Dias**
11.08 Hrs	Welcome Address	**Dr. R. S. Sengar** Dean, College of Biotechnology
11.15 Hrs	About the Training	**Dr. Pankaj Kumar** Principal Coordinator CoE & Course Director
11.25 Hrs	Address by the Director Research	**Dr. Kamal Khilari** Director Research, SVPUAT, Meerut
11.30 Hrs	Address by the Registrar	**Dr. V. P. Singh** Registrar, SVPUAT, Meerut
11.35 Hrs	Inaugural Address	**Dr. Triveni Dutt** Hon'ble Vice Chancellor, SVPUAT, Meerut
11.50 Hrs	Vote of Thanks	**Dr. Rekha Dixit** Professor & Course Convenor
11.55 Hrs	National Anthem Followed by Group Photo	

Centre of Excellence in Agri Biotechnology & Bioinformatics Infrastructure Facility

Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250110

Integrating Molecular, Microbial and Bioinformatic Techniques in Applied Agriculture & Allied Sciences

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First row Sitting (Left to Right)- Dr.Ravindra Kumar,Dr.RamJi Singh,Dr.Kamal Khilari,Dr Satendra Kumar,Dr.R.S.Sengar Dr.Triveni Dutt(Hon'ble Vice Chancellor),Dr.V.P.Singh(Registrar),Dr.Bijendra Singh, Dr.Pankaj Kumar,(Dean SST & Course Director.),Dr.Jaivir Singh,Dr.Pushpendra Kumar

Second Row (Left to right)- Dr.Rekha Dixit.Dr.Satendra Kumar,Dr.Mala Singh,Dr.Shivani Sahu,Dr.Pratima Gupta, Ms.Deepali Bansal,Ms.Yasapu Asha,Ms.Akansha Kaushik,Ms.Sharmishtha Verma,Ms.Nandini Singh, Ms.Nikita Mishra,Dr.Damini Maithani,Dr.V.Roja,Dr.Pravin Kumar

Third Row (Left to right)- Mr.Sidhartha Mishra.Ms.Shivani,Ms.Reeti Verma,Dr.Deepali Singh,Dr.Shalini Gupta,Dr.Sushant Kumar, Dr.Anant Kumar,Dr.Sandeep Kumar,Dr.Pankaj Chauhan,Dr.Budhayash Gautam,Dr.Rajendra Singh, Dr.M.K.Yadav,Dr.Deepak Sharma,Dr.Neelesh Kapoor,Dr.Mukesh Kumar,Dr.G.Vinay Kumar,Dr.Desh Deepak, Mr.Akarsh Chaudhary, Mr.Aryan Kohli,Dr.Shalini Singh,Mr.Amol Dixit, Dr.Akhilesh Panday, Dr.M.K.Bharti,Dr.Himanshu Kumar,Dr.Arun Kumar Gupta


जैव प्रौद्योगिकी महाविद्यालय
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Sardar Vallabhbhai Patel University of Agricultur


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10:31 AM | iqx-wsgf-mjo

Sarika (Presenting)

Bioinformatics integrates biology, biotechnology, computer science, mathematics and statistics to collect, manage, analyse and interpret biological data.

Major applications

- Molecular sequence analysis
- Genome and transcriptome analysis
- Protein structure and function analysis
- Comparative genomics and phylogenetics
- Functional annotation and pathway analysis

Sugarcane college — This video is paused due to problems with your network

Sarika — This video is paused due to problems with your network

Amisha Sangwan — This video is paused due to problems with your network

Prof. Pankaj Kumar

3:21 PM | iqx-wsgf-mjo

Mir Asif Iqubal (Presenting)

GIS-Rice
Germplasm Identification System for Rice

Home | About the Project | Identification | Search | Tutorial | Team | Login

Enter Values in below text boxes OR Use OR Upload values from a file

Sample values | Browse... | No file selected.

STR based | SNP based | both

900 plus varieties

SNo.	Locuses	Allele-1	Allele-2	SNo.	Locuses	Allele-1	Allele-2
1	Locus - HvSSR01-32			19	Locus - HvSSR06-16		
2	Locus - HvSSR01-41			20	Locus - HvSSR06-40		
3	Locus - HvSSR01-53			21	Locus - HvSSR07-18		
4	Locus - HvSSR02-01			22	Locus - HvSSR07-51		
5	Locus - HvSSR02-33			23	Locus - HvSSR08-14		
6	Locus - HvSSR02-50			24	Locus - HvSSR08-19		
7	Locus - HvSSR03-02			25	Locus - HvSSR09-36		
8	Locus - HvSSR03-35			26	Locus - HvSSR09-26		
9	Locus - HvSSR03-19			27	Locus - HvSSR09-55		
10	Locus - HvSSR03-37			28	Locus - HvSSR35-03		
11	Locus - HvSSR03-54			29	Locus - HvSSR35-13		
12	Locus - HvSSR04-19			30	Locus - HvSSR35-34		
13	Locus - HvSSR04-27			31	Locus - HvSSR36-13		
14	Locus - HvSSR04-46			32	Locus - HvSSR36-21		
15	Locus - HvSSR05-09			33	Locus - HvSSR36-58		
16	Locus - HvSSR05-15			34	Locus - HvSSR12-01		
17	Locus - HvSSR05-30			35	Locus - HvSSR12-13		
18	Locus - HvSSR06-03			36	Locus - HvSSR12-39		

Frequency | Euclidean Distance | Absolute Distance | Mahalanobis Distance | submit | Refresh

Mir Asif Iqubal | Sugarcane college | Ravi Shanker | Asha Y | Priya Mishra | Dr. Sushant | Prof. Pankaj Ku...

2:45 PM | iqx-wsgf-mjo

Mir Asif Iqubal (Presenting)

Classification of Microsatellite / Simple Sequence Repeats

(A) **Based on the number of nucleotides per repeat**

- Mononucleotide: (A)n
- Dinucleotide: (CA)n
- Trinucleotide: (CGT)n
- Tetranucleotide: (CAGA)n
- Pentanucleotide: (AAATT)n
- Hexanucleotide: (CTTTAA)n

(n = number of variables)

Mir Asif Iqubal | Sugarcane college | Ravi Shanker | Roja ronanki | Prof. Pankaj Kumar

3:58

Infectious Diseases

- IDs caused by microbial pathogens: bacteria, viruses, fungi & parasites.
- 28% of global burden of disease (all causes) is due to infections, 14% is due to bacterial causes
- ~10 million people died of IDs in 2024: 15% of all deaths.
- Highest mortality In IDs: lower respiratory tract, enteric infections, tuberculosis, HIV, and malaria.
- Disability caused by IDs also has a substantial impact on public health e.g. trachoma and onchocerciasis are not fatal, can result in loss of vision, that affects quality of life and leads to economic loss.
- One indicator to quantify disease burden- Disability Adjusted Life Years (DALYs): years of life lost (YLL)+years lived with disability (YLD).
- The first vaccine against smallpox was developed in 1796, and the first antibiotic, penicillin, was discovered in 1928. Since then, increasing types of vaccines and antimicrobials have been developed, dramatically reducing the infectious disease burden.
- This success, ironically, resulted in a reduced focus on infectious diseases during th... that the battle with infectious diseases had been won.

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Dr Ravi Kant is presenting

Prof. Panka | Dr Ravi Kan | Sugarcane | Aditya Path | You | 9 others | Prof. Panka


Next Generation Sequencing-Based Plant Virome Analysis
GPS Map Camera
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3mpx+j77, Siwaya-jamalullapur, Uttar Pradesh 250221, India
Lat 29.086412° Long 77.69814°
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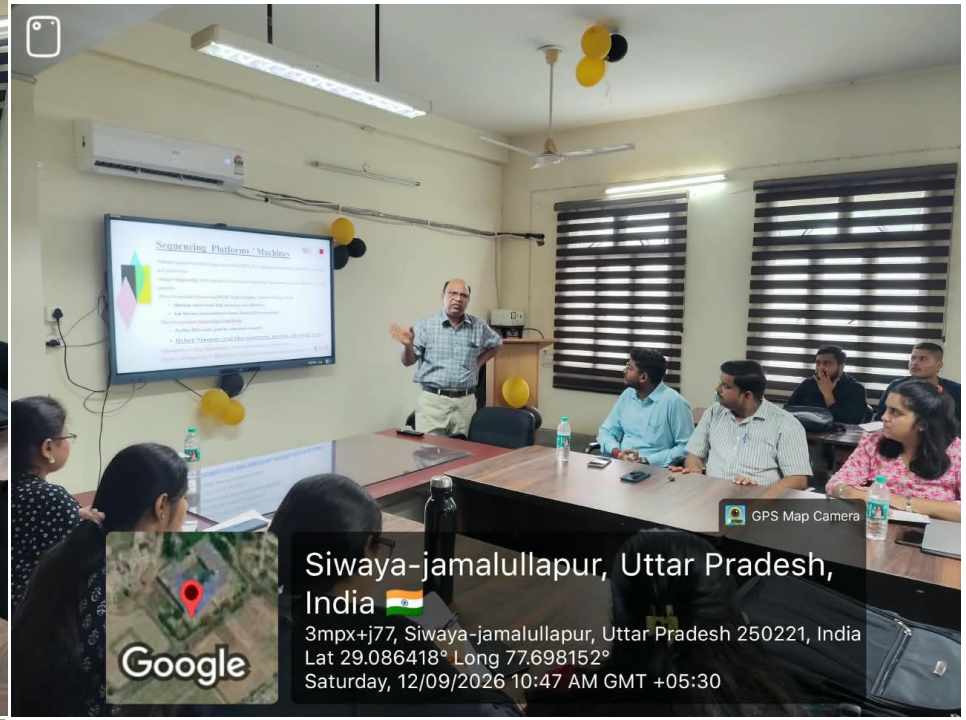
Sequencing Platforms / Machines
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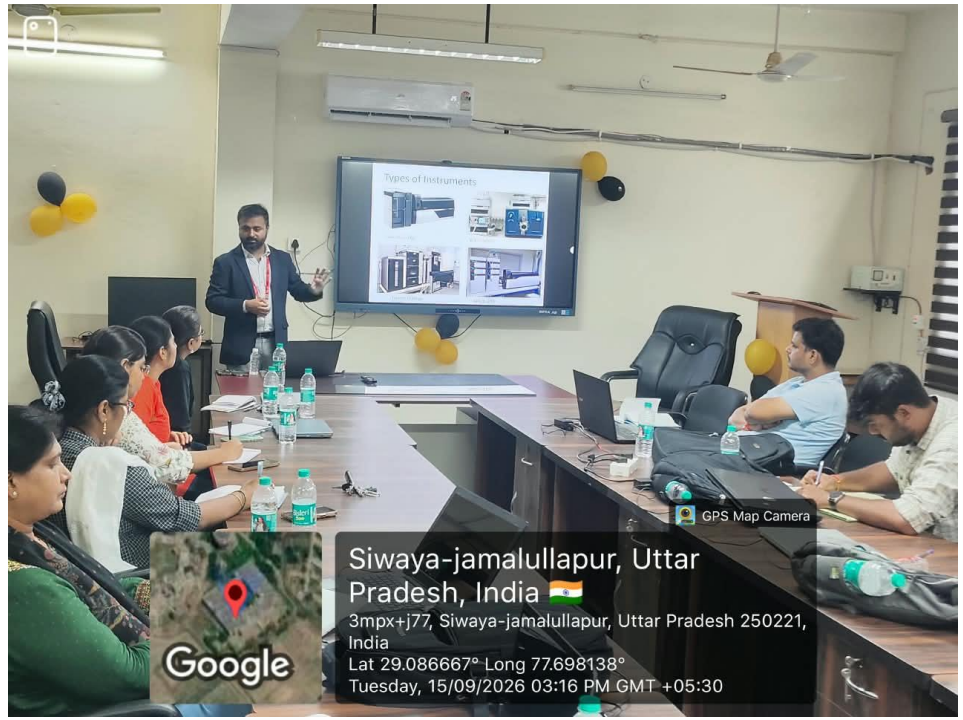
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कृषि विज्ञान केन्द्र हस्तिनापुर-मेरठ
GPS Map Camera
Hastinapur, Uttar Pradesh, India
3, Ganeshpur - Hastinapur Rd, Near Vikash Jan Seva Kendra, Hastinapur, Uttar Pradesh 250404, India
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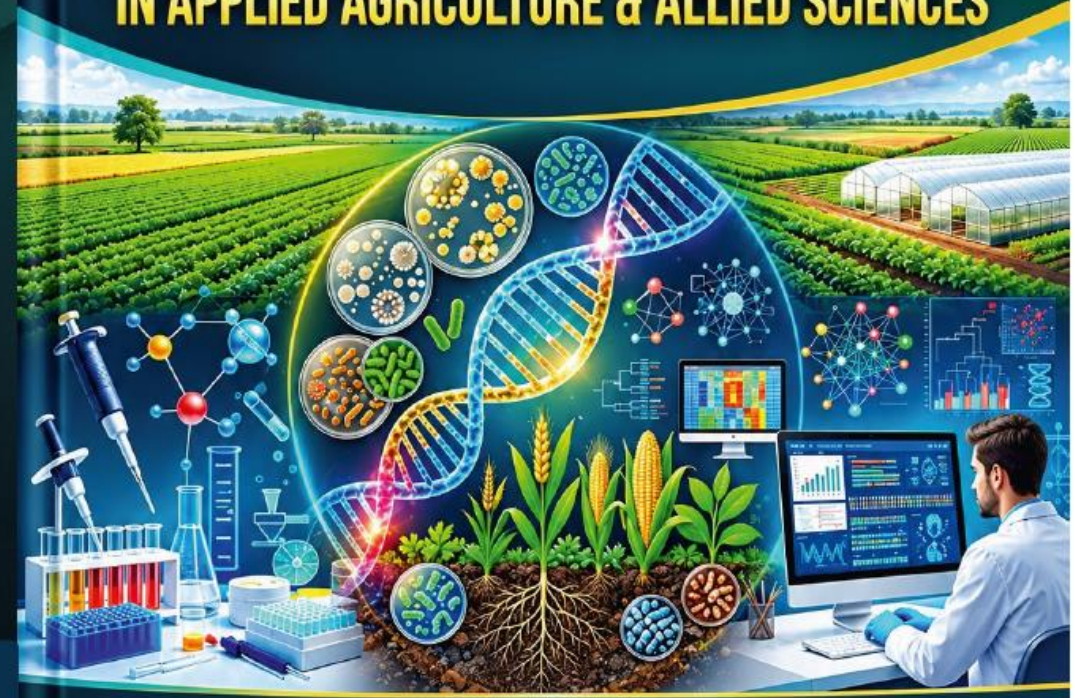

Course Director
Dr. Pankaj Kumar

Course Convenors
Dr. Rekha Dixit
Dr. Rajendra Singh

Course coordinator(s)
Dr. Budhayash Gautam
Dr. Mahesh K bharti
Dr. Neelesh Kapoor
Dr. Damini Maithani
Dr. Arun Kumar Gupta
Dr. Himanshu Kumar
Mr. Aditya Pathak

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Valedictory Function
September 22, 2026
12:00 Hrs
Committee Room CoSST

Dr. Triveni Dutt
Hon'ble Vice-Chancellor
will be the Chief Guest

Dr. Rekha Dixit **Dr. Rajendra Singh**
Course Convenor

Dr. R. S. Senger
Dean, College of Biotechnology

Dr. Pankaj Kumar
Principal Coordinator, CoE & Course Director

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सत्यमेव जयते

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VALEDICTORY FUNCTION SEPTEMBER 22, 2026

12.00 noon		**National Song**
12.05 p.m.	Welcome Address	Dr. R. S. Senger, Dean, College of Biotechnology
12.10 p.m.	Training Report	Dr. Pankaj Kumar, Course Director & Principal Coordinator , CoE
12.20 p.m.	Remarks of Director Research	Dr. Kamal Khilari, Director Research, SVPUAT, Meerut
12.25 p.m.	Remarks by the Registrar	Dr. V. P. Singh, Registrar, SVPUAT, Meerut
12.30 p.m.	Interaction with Trainees & Valedictory Address by the Chief Guest	Dr. Triveni Dutt Hon'ble Vice Chancellor, SVPUAT, Meerut
12.45 p.m.	Vote of Thanks	Dr. Rekha Dixit, Course Convenor
12.50 p.m.		**National Anthem**