Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut – 250110 (U.P.)

Prof. Pankaj Kumar
Principal Coordinator, CoE Coordinator BIF
Head, Bioinformatics & Course Director

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No. SVP/CBT/Bio/2026/5977
Date: Nov 18, 2026

To,

The Vice-Chancellor/Dean/ Director

Sub.: Twenty-One days FACULTY TRAINING programme on "**Emerging Trends in Microbial Biotechnology & Bioinformatics in Agriculture & Allied Sciences" February 16 – March 08, 2027** –Reg.

The **Centre of Excellence in Agri Biotechnology** established with the funding of CST, UP in collaboration with **Bioinformatics Infrastructure Facility** funded by DBT, New Delhi announces 21 days FACULTY TRAINING programme entitled ***"Emerging Trends in Microbial Biotechnology & Bioinformatics in Agriculture & Allied Sciences"*** during **February 16 – March 08, 2027**. This will be the 13th FACULTY TRAINING programme in the series since 2011-12.

The course will comprise theory lectures on molecular, microbial and bioinformatic techniques along with its application in agriculture and allied sciences. Scientists, researchers, teachers and research scholars of the Universities/ colleges & research institutes working in Life/ Biological/ Agricultural Sciences are eligible. The maximum number of participants will be limited to 25.

Nominations of one or two faculty members in the prescribed format for the above training programme may be sent latest by **January 30, 2027** to the address given below:

Dr. Neelesh Kapoor Asstt. Prof. (Finger Printing) & Course Coordinator drneeleshbiotech1@gmail.com Mob. No. 9456830969, 7017853893	**Dr. (Ms.) Damini Maithani** Asstt. Prof. (Microbiology) & Course Coordinator daminimaithani27@gmail.com Mob. No. 8755646299

The selected candidates will have to pay Rs. 6,500.00 (Rs. Six Thousand Five Hundred only**)** for faculty, Scientists and teachers and Rs. 5,000/- (Rs. Five thousand) for research scholars as registration fee through Online transfer to Comptroller S.V. Patel University Agri. & Tech. A/c No. 10172902452 IFSC SBIN0010653. The application form can be downloaded from the university website. http://www.svpuat.edu.in. No TA/DA will be paid by the SVPUAT Meerut, however, guest house will be made available on payment basis.

[Pankaj Kumar]

Twenty-One days Faculty Training

'Emerging Trends in Microbial Biotechnology & Bioinformatics in Agriculture & Allied Sciences'

(February 16–March 08, 2027)

Organized by

Centre of Excellence in Agri Biotechnology funded by UPCST & Bioinformatics Infrastructure Facility funded by DBT, New Delhi, College of Biotechnology

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

About the CoE: The Centre of Excellence in Agri-Biotechnology established jointly by the Council of Science & Technology, Government of Uttar Pradesh & Department of Biochemistry & Physiology, SVPUAT as a Centre for Advanced Research and Human Resource Development in the field of Agriculture Biotechnology. CoE has a specific niche with a clear focus on research and applications of biotechnology to the region-specific crops and problems related to semi-arid to arid climatic conditions. The Centre's ultimate goal, however, is to achieve regional leadership in the field of biotechnological research and establish cooperative ties with national and international centers in order to help transfer and develop modern technology for the common good of mankind.

About the BIF: The Bioinformatics Infrastructure Facility established at the University with the financial assistance of Department of Biotechnology, Government of India, New Delhi with the objectives of capacity building for the students of Biotechnology & Bioinformatics and Assistance to students in accessing, searching and retrieval of biological information.

About the course: The course focuses on the integration of Molecular biology, and bioinformatics tools for sustainable agricultural research. It provides both theoretical knowledge and hands-on training in microbiome and metagenomic data analysis, including sequence quality control, microbial community profiling, diversity analysis, functional prediction, and omics data interpretation using platforms such as CLC Genomics Workbench and OmicsBox to enhance production and productivity in agricultural research. The course will comprise theory lectures and practicals along with its application in agriculture and allied sciences.

Topics to be Covered: Molecular techniques and metagenomic data analysis using bioinformatics tools. Introduction to microbiome and metagenomic studies including sequence quality assessment, adapter trimming and preprocessing using Trimmomatic, quality control using FastQC and MultiQC, OTU/ASV analysis, taxonomic annotation, microbial community profiling, and diversity analysis including alpha diversity and beta diversity. Functional prediction and pathway analysis using databases/tools such as MetaCyc. Metagenome assembly and annotation using tools such as metaSPAdes, Prodigal, and taxonomic classification using Kraken2. Applications in plant-microbe interactions. Nucleic acid techniques including qualitative and quantitative estimation, primer designing, phylogenetic analysis, statistical analysis of molecular data, gene expression analysis, and interpretation of NGS data using bioinformatics platforms such as CLC Genomics Workbench and OmicsBox.

About the participants: Scientists, researchers, teachers and research scholars of the Universities/ colleges & research institutes working in Life/ Biological/ Agricultural Sciences are eligible. The maximum number of participants will be limited to 25.

Training fee: The selected candidates will have to pay Rs. 6,500.00 (Rs. Six Thousand Five Hundred only**)** for Faculty/Scientists and Rs. 5,000/- (Rs. Five thousand) for research scholars as registration fee through online transfer to Comptroller S. V. B. Patel University Agri. & Tech. A/c No. 10172902452 IFSC SBIN0010653.

Organizing Committee

Chief Patron

Dr. Triveni Dutt

Vice Chancellor, SVPUAT, Meerut

Patron

Dr. V. P. Singh
Registrar

Dr. Kamal Khilari
Director Research & Dean Agriculture

Course Director

Dr. Pankaj Kumar
Principal Coordinator, CoE in Agri. Biotech.
Coordinator, BIF, Head, Bioinformatics
Dean, College of Sugarcane Science & Technology

Convenors

Dr. (Ms.) Rekha Dixit
Professor (Biochem & Physiol.)

Dr. Rajendra Singh
Professor (Entomology)

Course Coordinators

Dr. Sandeep Kumar
Professor (9258163346)

Dr. Mahesh Kr. Bharti
Asstt. Prof. (9410229685)

Dr. Neelesh Kapoor
Asstt. Prof. (9456830969)

Dr. Budhayash Gautam
Assoc. Prof. (9451427316)

Dr. Arun Kumar Gupta
Asstt. Prof. (8300125483)

Dr. (Ms.) Damini Maithani
Asstt. Prof. (8755646299)

Dr. Rajesh Bisht
Asstt. Prof. (9637230563)

Dr. Pravin Kumar
Asstt. Prof. (8355098753)

Centre of Excellence in Agri-Biotechnology & Bioinformatics Infrastructure Facility
College of Biotechnology
Sardar Vallabhbhai Patel University of Agri. & Tech. Meerut
250110 (U.P.)

FACULTY TRAINING ON

"Emerging Trends in Microbial Biotechnology & Bioinformatics in Agriculture & Allied Sciences"

(February 16–March 08, 2027)

Application Form

1. Full Name (in block letters) :
2. Designation :
3. Date of birth :
4. Sex: Male/Female :
5. Present employer and address :
6. Basic pay on 30.01.2027 :
7. Residential address :
   Phone No. :
   E-mail :
   Address to which reply should be sent
8. Academic Record (starting with graduation) Exam/ Subjects/Year of pass/University/Class etc.
9. Major area of specialization :
10. Professional experience (mention the posts held since the beginning of your career starting with the latest one):

11. Publications (nos. only)
    (i) Books : (ii) Research papers :
    (iii) Technical articles : (iv) Reports :
    (v) Popular articles :

12. Training programmes attended during the last three years

13. Do you have hands on experience of Molecular Biology techniques (if yes please specify)

14. State how this training is going to be useful to you

Date :
Place :

Signature of the candidate

Recommendations of forwarding authority:

Signature of HOD/Dean/Director
Name:
Designation:
Address: