

Chief Patron

Prof. H.K.Chaudhary
Hon'ble. Vice Chancellor
CSKHPKV, Palampur



STUTI Program Coordinator

Prof. G.R. CHAUDHARY
Director SAIF/CIL,
PU, Chandigarh



Course Director

Dr. D.K.Banyal
Head, Deptt. of Plant Pathology
CSK HPKV Palampur.



Course Coordinator

Dr. Shikha Sharma
Assistant Professor,
Deptt. of Plant Pathology
CSK HPKV Palampur.



Advisors

1. Dr. S.P.Dixit, Director of Research, CSKHPKV Palampur
2. Dr. D.K.Vatsa, Dean, College of Agriculture,
3. Dr. R.S.Chandel, Head, Department of Entomology
4. Dr. V.K.Sood, Head, Department of Genetics and Plant Breeding
5. Dr. K.D.Sharma, Head, Department of Agricultural Biotechnology
6. Dr. D.R.Chaudhary, Head, Department of Vegetable Science and Floriculture
7. Dr. N.K.Sankhyan, Head, Department of Soil Science

Course Co-Coordiators

1. Dr. Amar Singh, Principal Scientist, Department of Plant Pathology
2. Dr. Pardeep Kumar, SMS, Department of Plant Pathology
3. Dr. Deepika Sud, SMS, Department of Plant Pathology

About STUTI

The Scheme "Synergistic Training program Utilizing the Scientific and Technological Infrastructure" (STUTI) is intended to build human resource and its knowledge capacity through open access S&T Infrastructure across the country. As a complement to the various schemes of DST funding for expansion of R&D Infrastructure at academic institutions, STUTI scheme envisions a hands-on training program and sensitization of the state-of-the-art equipment as well as towards sharing while ensuring transparent access of S&T facilities.

*Last Date for
Submission of Applications*

30th August, 2022

Register Here:

https://docs.google.com/forms/d/1lf6EVBUIBizuEdLWheF6_P813s95YhwSuru4HIU_IgE/edit



Training Programme

on

**"Utilization of Advanced Techniques
towards Agricultural Improvement"**



**From 15th to 22nd September, 2022
organized by**

**Department of Plant Pathology,
College of Agriculture, CSKHPKV Palampur**

in collaboration with

**Sophisticated Analytical Instrumentation
Facility, Panjab University, Chandigarh**

under the aegis of

**Synergistic Training Program Utilizing The
Scientific and Technological Infrastructure
(STUTI)**

At

**CSK HPKV
Palampur-176062**



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



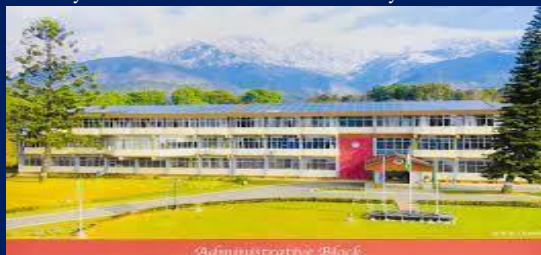
आज़ादी का
अमृत महोत्सव

Training Schedule

Day 1 (15.09.2021) Thursday	Schedule	Resource Person
10:00 AM 10:15 AM	Welcome and Inauguration	Organizing Committee
10:15 AM 11:00 AM	VC inaugural address	Hon'ble VC
11:00 AM 11:30 AM	Programme Coordinator Address regarding STUTI	Prof. G.R. Chaudhary
	High Tea	
12:00 PM 1:00 PM	Introduction to Department of Plant Pathology and familiarization with facilities created under FIST	Dr.D.K.Banyal
2:00 PM 3:30 PM	Breeding for disease resistance using advance techniques	Dr.P.N.Sharma
3:00 PM 5:00 PM	Hands on training on molecular diagnostics of plant pathogens	Dr. Shikha Sharma
Day 2 (16.09.2021) Friday, Department of Plant Breeding		
10:00 AM 11:30 AM	Novel breeding strategies against biotic and abiotic stresses	Dr. V.K.Sood
11:30 AM 1:00 PM	Genetic manipulations for desired traits	Dr.Nimit Kumar
2:00 PM 5:00 PM	Hands on training on genetic manipulations of crop plants	Drs. V.K.Sood & Nimit Kumar
Day 3 (17.09.2021) Saturday, Department of Entomology		
10:00 AM 11:30 AM	Potential of entomopathogens in integrated management of soil arthropod pests	Dr.R.S.Chandel
11:30 AM 1:00 PM	Nematodes menaces under protected cultivation	Dr.Sharmistha Thakur
2:00 PM 5:00 PM	Hands on training on handling and isolation of entomopathogenic fungi and nematodes	Drs. R.S.Chandel & Sharmistha Thakur
Sunday (18.09.2021)		
Day 4 (19.09.2021) Monday, Department of Vegetable Science		
10:00 AM 11:30 AM	Organic and natural farming practices for safe and quality vegetable production	Dr. Sanjay Chadda
11:30 AM 1:00 PM	Innovative techniques for increasing vegetables production	Dr. Praveen Sharma
2:00 PM 5:00 PM	Hands on training on soil less hitech cultivation of high value crops	Dr. Praveen Sharma
Day 5 (20.09.2021) Tuesday, Department of Agricultural Biotechnology		
10:00 AM 11:30 AM	CRISPR Cas-based genome editing: the technology and role in functional genomics and crop improvement	Dr.Kamal Dev Sharma
11:30 AM 1:00 PM	Genome-wide association studies in plants	Dr.Pawan Kumar Sharma
2:00 PM 5:00 PM	Hands on training on Nucleic acid isolation and PCR reaction set up	Drs. Kamal Dev Sharma & Pawan Kumar Sharma
Day 6 (21.09.2021) Wednesday, Department of Soil Science		
10:00 AM 11:30 AM	Balanced nutrition of crop plants for sustainable productivity and soil health	Dr.N.K.Sankhyan
11:30 AM 1:00 PM	Utilization of organic wastes for enhancing crops productivity and sustaining soil health	Dr.Raj Paul Sharma
2:00 PM 5:00 PM	Hands on training on soil analysis tools for soil fertility evaluation	Drs.N.K.Sankhyan & Raj Paul Sharma
Day 7 (22.09.2021) Thursday, Shiitake cultivation		
10:00 AM 11:00 AM	Taxonomic overview of Plant Pathogenic fungi	Dr. Amar Singh
11:00 AM 12:00 Noon	Shiitake cultivation, variability in mushrooms and biotic constraints in production	Dr. Deepika Sud & Dr. Pardeep Kumar
12:00:1:00 PM	Handling and uses of Electron microscope	Dr. Moondeep Chauhan;
		SAIF/CIL, PU Chandigarh
Valedictory function and certificate distribution (25PM)		
*Lunch Break: 1PM :2PM		

About Host Institute

Chaudhary Sarwan Kumar Himachal Pradesh Krishi Vishwavidyalaya (CSKHPKV) was established on 1st November, 1978. It is an ICAR accredited and ISO 9001:2015 certified institution. The University is situated in district Kangra at Palampur, H.P. at an elevation of 1250 metres above mean sea level. Over the years, this University has contributed significantly in transforming the farm scenario via developing human resources, varieties and technologies. The efficient transmission of these to farming communities has enabled the State to receive the "Krishikarman award" of Govt. of India four times in row for food grain production among small states of the country. Today, the State has earned its name for hill agricultural diversification and the farming community has entrusted its faith in the University.



About Palampur

Palampur is a hill station and a town in district Kangra of Himachal Pradesh. It is surrounded by pine forests and flanked by the Dhauladhar ranges. The place is known for its geographical tag "Kangra Tea". There are numerous streams flowing from the mountains to the plains from Palampur. The combination of greenery, Snowclad Mountains and water gives Palampur a distinctive look. During the months of September the temperature ranges between 15 to 25 degrees. The weather remains pleasant and delegates are advised to have bit warm clothing.



How to Arrive at Palampur

By Bus:

New Delhi to Palampur : About 500 km & 10-12 hrs journey
Regular & direct buses (Volvo, AC and Ordinary) are available from ISBT New Delhi to Palampur and from Chandigarh to Palampur.



By Train:

Pathankot/Una-Amb to Palampur : About 100-120 km & 3-4 hrs journey. Direct train facility to Palampur is not available. However, the nearest railway station i.e. Pathankot/Una-Amb is well connected by train from all the major/metro cities.



By Air:

New Delhi to Dharamshala Airport (DHM-Dharamshala): Palampur has air connectivity. Nearest Airport is Dharamshala (Gaggal) Airport) About 40 Kms & 1 hr journey from Palampur.



For Participants

Programme is sponsored under STUTI, by DST India. The participants can apply for the training program by sending email with the duly filled, below attached Bio-data form to cskhpkvplpath@gmail.com The application deadline is 31st August, 2022

**Free registration*

**Free accommodation:*

Accommodation arrangements will be preferably made in Guest houses of CSKHPKV

**Reimbursements for train fares will be provided for out stationed participants*

Department of Plant Pathology

- ❖ The department of Plant Pathology was established in 1986 with the mandate of teaching, research and extension activities with respect to plant diseases and mushroom cultivation.
- ❖ Department is actively involved in teaching Under graduate and Post graduate courses.
- ❖ In the year, 2011, Department of Plant Pathology received FIST Support from DST, INDIA under which establishment of Molecular Plant Pathology Laboratory was done.



Contact Person

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