

RECENT ADVANCES IN MICROBIAL DIAGNOSTIC

August 23-29, 2022



Organized by

**Division of Microbiology, Faculty of Basic Sciences
Division of Plant Pathology, Faculty of Agriculture
Biocontrol Laboratory, Advanced Centre for Horticulture Research**

**Sher-e-Kashmir University of Agricultural Sciences and Technology of Jammu
Main Campus, Chatha, Jammu-180009**

Now more than ever, infectious diseases represent an enormous challenge to global health and food security. COVID-19 outbreak has demonstrated how startlingly susceptible we are to a devastating pandemic, on other hand changing climate has given new challenges to ever increasing food demands. Furthermore, antimicrobial resistance the phenomenon of disease-causing pathogens becoming resistant to antimicrobials that were once effective treatments is an ever-present and growing concern. Constant vigilance is need of the hour against every possible disease epidemic for overall human health and crop production. Therefore, it is very essential to detect the disease outbreak at an early stage, so that disease management protocols come into action as soon as infection is reported in neighboring areas, well before there are any signs of symptoms in our area. Keeping in mind importance of microorganisms in the area of Human & animal health and crop production, this course is designed with the target of training manpower for detecting microorganisms that may be detrimental to crops and human health or may be useful for industrial applications.

Salient features of the training:

- ❖ Detection & Diagnosis of agriculturally & industrially important microbes
- ❖ Conventional and Advanced diagnostic techniques
- ❖ ICT tools in microbial diagnostics
- ❖ Quantification of microbes
- ❖ Bioinformatics & Statistical tools in microbiology
- ❖ Field visit for Sampling and exposure to field functionaries

The training programme includes both lectures and practical sessions on the above thematic areas. Experts from SKUAST-Jammu and other reputed institutes will address the participants. Emphasis will be given on hand on training.

Expected benefits to the participants:

The participants will be sensitized with the current tools and techniques used in isolation, diagnosis, detection and characterization of different group of microorganisms. Hands on practical sessions on isolation techniques, characterization, quantification and molecular diagnostics will enable the participants to undertake applied research in respective research areas.

Eligible participants:

- ❖ B.Sc, M.Sc and Ph.D. students, Research Scholars, Post-Doctoral Students, Technical Officers, Scientists/Assistant Professors/Lecturers or above, from any University/Institute/Organization working in the area of biological sciences.
- ❖ Officers of Department of Agriculture and Horticulture.
- ❖ Researchers from private or Non-Government organizations/Companies/Firms.

Fees for the training (Non refundable):

₹ 3500 (without Accommodation), ₹ 8000 (with Accommodation) per trainee deposited online through RTGS in favour of Deputy Comptroller (Projects), Bank Name: Jammu and Kashmir, Account no: SB-1235040500000014, IFSC Code: JAKAOEAURSP, SKUAST-Jammu, MICR No: 180051087.

Accommodation:

Accommodation will be arranged for participants on advance request in the University guest house or nearby guest house on “first come first serve basis” and on twin sharing basis.

How to apply?

Eligible participants may apply to the **Dr Brajeshwar Singh**, Asst. Professor, Division of Microbiology FBSc (9419210036, brajeshbhau@yahoo.co.in) or **Dr. Vishal Gupta**, Asst. Professor, Division of plant Pathology, FOA (9419151425, vishal94gupta@rediffmail.com), along with short RESUME (not more than one page) on/or before **25.07.2022**. The selected candidates will be notified on **01.08.2022**.

SKUAST-Jammu:

Sher-e-Kashmir University of Agricultural Sciences & Technology of Jammu(SKUAST-J) came into existence on 20th September 1999. The university is mandate to address the basic, strategic and applied research related to enhanced production in agriculture and allied sectors. SKUAST-Jammu is striving to achieve high standards of excellence in education, research and extension for the betterment of farming community of the region. The University has head quarter at Chatha, about 7 km away from Jammu city.