



Online training programme on  
**WORKING IN BSL-3 LABORATORY AND  
PRACTICES FOR HANDLING *Mycobacterium tuberculosis***  
Biosafety level III Facility, Department of Biochemistry,  
University of Delhi South Campus, New Delhi  
22<sup>nd</sup> – 28<sup>th</sup> March 2021



**About the facility:-**

The UDSC-BSL-3 facility is a DBT supported National facility providing state-of-the-art biosafety containment laboratory to various TB investigators across the country for their research activities. This world class facility was established in 2009 and has been used by various investigators since then resulting in a number of significant publications and important findings. Apart from promoting high quality TB research in the country, one of the main objectives of the facility is to provide hands on training to students and researchers working in the area of tuberculosis research.

**An online training program will be conducted for various academic and private institutions for skill development and quality manpower for working in containment facilities using pathogenic *M. tuberculosis*.**

**The training program will include:-**

Online session on the first day of the program will focus on 'BSL3 Facilities: Design, construction and beyond'

**Daily sessions will be conducted by sharing videos concerning the following experiments related to Mycobacterial research:-**

1. Culturing of *M. tuberculosis* both in liquid as well as solid media.
2. Growth curve of *M. tuberculosis*.
3. Stock preparation of *M. tuberculosis*.
4. *M. tuberculosis* stock CFU determination.
5. Genomic DNA isolation from *M. tuberculosis* culture
6. Electroporation of *M. tuberculosis* cells.
7. Lysate preparation from *M. tuberculosis* culture



Interested candidates can apply with their particulars along with a brief description of the usefulness of this training for their research on the address given below before 1<sup>st</sup> March 2021. Selected candidates will be informed by 15<sup>th</sup> March, 2021.

Email address: [bsl3.udsc@gmail.com](mailto:bsl3.udsc@gmail.com)

Website: <https://tb-bsl3facilityudsc.com/>

**Organizers-**

**Dr. Garima Khare, Assistant Professor  
9810578184**

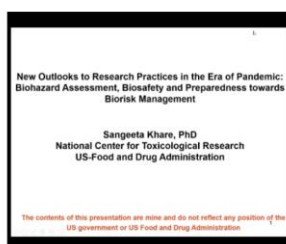
**Dr. Prachi Nangpal, Research Associate  
9899337216**

**Department of Biochemistry,  
University of Delhi South Campus**

**Day 1 of the Online training Programme**



Mr. Sanchay Das explained us the importance of crucial parameters like negative pressure, air flow systems which govern proper functioning of containment facilities.



Dr. Sangeeta Khare highlighted about the guidelines and compliances related to biosafety laboratories. She very nicely explained about the biorisk factors and management.

