

“Food Safety And Quality Assessment”



ABOUT COURSE

The Food Safety and Quality Assessment course is designed to provide the practical exposure to the detection and assessment of microbial and chemical hazards in food and feed samples. The course emphasizes microbiological and molecular techniques for identifying bacteria, fungi, and yeast, along with advanced genomic approaches for accurate species and strain-level identification. It also introduces analytical methods for the detection of food contaminants such as mycotoxins, antibiotics, and pesticide residues. By integrating HACCP principles, regulatory compliance, and laboratory-based food safety assessments, the course equips participants with essential skills required to ensure food quality, safety, and public health protection.

COURSE CONTENT

This course focuses on the isolation and identification of microorganisms from contaminated food, using both phenotypic and molecular techniques for bacteria, fungi, and yeast. It covers 16S/18S rRNA gene sequencing and Oxford Nanopore sequencing. The course also explores chromatography principles, HPLC instrumentation, method development, validation, troubleshooting, and software for controlled operations. Practical training includes the quantitative assessment of mycotoxins, antibiotics, pesticide contamination, by-product analysis, method validation and statistical analysis to ensure food quality and safety.

WHY CHOOSE US

Here is the reason why

-  More weightage on hands-on practice
-  Interactive sessions
-  Robust & sustainable training module
-  Affordable fee structure
-  Networking

FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals



COURSE DETAILS

-  Duration- 2 Weeks
-  Dates- 17th August to 28th August 2026
-  No. of Seats- 15
-  Eligibility- Master's (completed) in any science subject or equivalent
-  Course Fees -
 - Students - 7,080 /-
 - Faculty - 11,800 /-
 - Industrial Professional - 17,700 /-
 (The fees stated include 18% GST)
-  Accommodation- 2 week + 2 days with affordable charges

PRIME INSTRUCTOR

Dr. Koteswara Rao

Principal Scientist

Biochemical Sciences Division
Microbiology & Molecular Biology
CSIR-National Chemical Laboratory

Dr. Mahesh S. Dharne

Chief Scientist & Head

National Collection of Industrial Micro-organisms,
Microbiology, Genomics & Enzymes,
CSIR- National Chemical Laboratory

HOW TO APPLY

Application form is available at -

<http://www.ncl-india.org/files/SDP/Default.aspx>