



**CSIR
INTEGRATED
SKILL
INITIATIVE**

<https://nclsdp.ncl.res.in/>

CSIR-NCL SKILL DEVELOPMENT PROGRAM

"Food Safety and Quality Assessment"



ABOUT COURSE

Food Safety and Quality Assessment point of convergence course is focused on isolation of microorganisms from contaminated food and feed matrices; basic culturing techniques, phenotypic identification microbes. The centre of attention of course on molecular identification of bacteria, fungi and yeast; genomic DNA isolation, 16/18S rRNA gene, polymerase chain reaction (PCR), phylogenetic tree based identifications, distinguish closely related species/strains, and demonstration of oxford nanopore sequencing techniques. This course also covers principles and basics of chromatography, quantitative assessment of mycotoxins, antibiotics and pesticide adulteration of food and feed samples to ensure food safety and human health.

PRIME INSTRUCTOR

- Dr. V. Koteswara Rao ,Sr. Scientist
- Biochemical Sciences Division
- Area of Expertize : Food Microbiology, Molecular Biology and Molecular Diagnostics



FOR WHOM

- Students
- Academic Researchers
- Industrial Professionals

COURSE CONTENT

This course is focused on isolation of microorganisms from contaminated food matrices; basic phenotypic and molecular identification of bacteria, fungi and yeast, 16/18S rRNA gene sequencing and oxford nanopore sequencing techniques. This course also covers principles and basics of chromatography, high-pressure liquid chromatography (HPLC) instrumentation, method development, validation, troubleshooting and software for controlled operations. In addition to theoretical aspects, hands-on training of quantitative assessment of mycotoxins, antibiotics and pesticide adulteration of food and feed samples to ensure the food quality.

COURSE DETAILS

Duration- 1 Week

Dates- 29 Jan to 2 Feb 2024

No. of Seats- 15

Eligibility- Bachelors completed/Masters (completed/ pursuing) in any science subject or equivalent

Course Fees -

Students

- 5900 /-

Faculty

- 11800 /-

Industrial Professional - 17700 /-

(The fees stated include 18% GST)

Accommodation-1 weeks + 2 days with affordable charges

HOW TO APPLY

Application form is

available at -

[http://www.ncl-](http://www.ncl-india.org/files/SDP/Default.aspx)

[india.org/files/SDP/Default.aspx](http://www.ncl-india.org/files/SDP/Default.aspx)

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Here is the reason why
WHY CHOOSE US



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



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