

ABOUT THE WORKSHOP

This workshop aims to provide comprehensive exposure to the emerging applications of biostatistics and data analytics in the field of food science and technology. The programme is designed to strengthen participants' understanding of experimental design, statistical quality control, regression and correlation techniques, multivariate analysis, and the integration of artificial intelligence in data analytics. Through expert-led sessions, the workshop will bridge theoretical concepts with practical data analysis tools, enabling students, researchers, and professionals to effectively interpret, analyze, and apply statistical methods for research, quality assurance, and data-driven decision-making in food science and related food-based disciplines.

“WORKSHOP ON EMERGING APPLICATIONS OF BIOSTATISTICS AND DATA ANALYTICS FOR FOOD SCIENCE AND TECHNOLOGY”

**5TH & 6TH FEBRUARY
2026**



**SCHOOL OF FOOD SCIENCE
&
TECHNOLOGY
MAHATMA GANDHI
UNIVERSITY, KOTTAYAM**



SCHOOL OF FOOD SCIENCE AND TECHNOLOGY

The School of Food Science and Technology is an emerging academic department at Mahatma Gandhi University, committed to provide advanced scholarly expertise in the disciplines of Food Science, Food Technology, Nutrition and Dietetics. The School undertakes a broad spectrum of research initiatives, including the development of novel food products, innovation in food processing and packaging technologies, sensory as well as instrumental evaluation of food quality, along with comprehensive microbial analysis to ensure food safety and excellence.

DAY - 1

Technical session 1:



Prof (Dr.) Vishnu Vardhana Rao
Former Director, ICMR
National Institute for
Medical Statistics

Technical session 2:



Dr. K K Jose
Hon. Director, SMS, MGU
"Statistical Tests"

Technical session 3:



Dr. Sebastian George
Former Head, Dept of
Statistical & School of Data
Analytics, Kannur University
"Statistical Estimation"

Technical session 4:



Mr. Jiby Joseph
Asst. Professor, SDA, MGU
"Visualization Techniques
for Food Data"

Technical session 5:



Dr. Sharon Susan Jacob
Asst. Professor, SDA, MGU
"Data analytics & AI for Food Analysis"



Ms. Abseena Habeeb
Asst. Professor, SDA, MGU

PROGRAMME SCHEDULE

Welcome Address - Prof. (Dr) Jisha M S
Director, SFST, MGU

Inaugural Address - Dr. Vishnu Vardhana Rao
Former Director,
ICMR National Institute
for Medical Statistics,
New Delhi

Felicitation - Dr. Anooja Thomas
Coordinator, SFST, MGU

Vote of Thanks. - Dr. Linu M Salim
Asst. Professor, SFST, MGU

Valedictory Function
(Day 2)

ORGANIZING COMMITTEE

- Mr. Sajad Rehman - Organizing Secretary
- Director - Prof. (Dr) Jisha M S
- Co-ordinator - Dr. Anooja Thomas K
- Dr. Linu M Salim
- Mrs. Jismy K J
- Mrs. Kavya S
- Ms. Aswathy Mani

DAY - 2

Technical session 6 :



Mrs. Beteena Kurian
Asst. Professor, SMS, MGU
"Design of Experiments &
SPSS for Data Analysis"

Technical session 7 :



Prof (Dr.) Padi Tirupati Rao
Professor, Dept of Statistics, Former
Dean, Ramanujan School of
Mathematical Sciences, Pondicherry
University
" Biostatistics and Artificial Intelligence
in Data Analytics: Methods, Tools, and
Applications in Food and Life Sciences "

Technical session 8:



Dr. Ajitha Sasi
Asst. Professor, SMS, MGU
"Statistical Quality Control
in Food Science"

Technical session 9:



Dr. Ancy Joseph
Coordinator, SDA, MGU
"Regression Techniques"

Technical session 10:



Dr. K K Jose
Hon. Director, SMS, MGU
"Correlation Analysis & Multivariate Analysis"