

HANDS ON TRAINING AND ONLINE LECTURE SERIES IN BIOINSTRUMENTATION

2021

**SPONSORED BY
DST-PURSE/FIST SCHEME**



Government of India
Department of Science & Technology
Ministry of Science & Technology

ORGANISED BY

**SCHOOL OF BIOSCIENCES
MAHATMA GANDHI UNIVERSITY,
KOTTAYAM
KERALA, INDIA**



WORKSHOP ON Gas Chromatography-Mass Spectrometry

ABOUT

GC/MS continues to solve a wide range of problems in industrial research and development, ultimately contributing to the discovery, development, registration, and stewardship of new products. The ability of GC/MS to address these problems has increased significantly in recent years due to improvements in both GC/MS and GC × GC instrumentation, providing advancements in the separation power, speed, sensitivity, resolution, and dynamic range of these instruments.



DATE & TIMES

Virtual training
10th November 2021
time: 6.00 P.M

Hands on Training
11 & 12 November 2021

Speaker and Trainer

Virtual training

Ms Aarti Karkhanis

Application Manager GCMS

Thermo fisher scientific application team

Hands on Training

Mr Rameesh

Engineer

Thermo fisher scientific application team



School of Biosciences
Mahatma Gandhi University
Kottayam

Chairman

Prof. (Dr.) Jisha M.S

Director

School of Biosciences

M.G. University

Webinar Convenor

Prof. (Dr.) Keerthi T. R

Co-ordinator

DST-FIST/PURSE program

School of Biosciences

M G university

Webinar Co-ordinators

Ms Shalini Balakrishnan

Mr Vysakh V. G

Mr Ajmal J

Contact us

9539431385,

9048867979



workshopbioinstrumentation@gmail.com

- Free registration
- E-Certificate will be provided
- Hands on training is only for the faculty members and research scholars
- Registration will be on first come first serve basis
- Virtual class link will be provided to the registered participants only



> REGISTER NOW



**HANDS ON TRAINING AND
ONLINE LECTURE SERIES IN
BIOINSTRUMENTATION**

2021

**SPONSORED BY
DST-PURSE/FIST SCHEME**



सत्यमेव जयते
Department of Science and Technology
Ministry of Science and Technology
Government of India

ORGANIZED BY

**SCHOOL OF BIOSCIENCES
MAHATMA GANDHI UNIVERSITY, KOTTAYAM
KERALA, INDIA**



ABOUT

Pulse Field Gel Electrophoresis (PFGE) is a powerful technique used for the separation of large DNA molecules (entire genomic DNA) after digesting it with unique restriction enzymes and applying it to a gel matrix under the electric field that periodically changes direction. PFGE is a variation of agarose gel electrophoresis that permits the analysis of bacterial DNA fragments over an order of magnitude larger than that with conventional restriction enzyme analysis. It can be used for bacterial typing, epidemiological studies, gene mapping of microbes and mammalian cells etc.

During this 3 days hands-on training, trainees perform each step of the PFGE protocol using bacterial isolates. Trainees become proficient in handling the technique after this workshop.



WORKSHOP ON PULSE FIELD GEL ELECTROPHORESIS (PFGE)



DATE & TIME

VIRTUAL TRAINING
8th November 2021
Time: 10.30 AM
HANDS ON TRAINING
8th to 10th November 2021

SPEAKER & TRAINER

BIO-RAD



Mr. AJAY DEEPAK BASKARAN
Field application specialist II
Bio-Rad Laboratories Pvt.Ltd, India



School of Biosciences
Mahatma Gandhi University
Kottayam

REGISTER NOW >



- ➔ Free registration
- ➔ E-certificate will be provided
- ➔ Hands on training is only for the Faculty members and Research scholars
- ➔ Registration will be on first come first serve basis.
- ➔ Virtual class link will be provided to the registered participants only



Google Meet



Chairman

Prof.(Dr).Jisha M S
Director
School of Biosciences
MG University

Webinar Convenor

Prof.(Dr).Keerthi TR
Co-ordinator
DST-FIST/PURSE program
School of Biosciences
MG University

Webinar Co-ordinators

Ms. Vipina Vinod T N
Ms. Bicky Jerin Joseph
Ms. Mary Theresa

Contact us

8078185892, 9645678674



workshopbioinstrumentation@mail.com



SCHOOL OF BIOSCIENCES

MAHATMA GANDHI UNIVERSITY
KOTTAYAM

“Hands on Training and Online Lecture in Flash Chromatography”

Online Session:
15th November 2021 at 6.00 PM
Hands on training:
16th and 17th November, 2021

*For
Faculty members and Research Scholars*

Why Flash Chromatography?

Flash chromatography is a rapid form of preparative column chromatography. It is a simple, effective and popular approach used for the purification of chemical mixtures. Flash chromatography is widely used for peptide and antibiotic purification, drug discovery, sample clean up, early-stage drug discovery, natural product analysis, and protein analysis. If your research involves column chromatography purifications, flash chromatography, budget-friendly option that takes much less time will help you to achieve that goal. This training program intends to provide a hands-on experience on the working, instrumentation and applications of Flash chromatography.

Resource persons



Mr. Arjun G
Product Manager
Flash Chromatography



Mr. Vishnu N R
Work Flow Specialist -
Chromatography
Spinco Biotech Pvt Ltd

Organized by
DST FIST/ PURSE Program
SCHOOL OF BIOSCIENCES



in association with
Spinco Biotech Pvt Ltd



Chairperson:
Dr. Jisha M S
Director, School of Biosciences
Mahatma Gandhi University

Webinar Convenor:
Prof.(Dr.) Keerthi T R
Coordinator,
DST FIST/ PURSE Program
Ph: 9497655293



Webinar Co-ordinators:
Ms.Sherin Varghese
Ms.Nayana A R
Ms.Manjusha Premnath

Venue: School of Biosciences

Pre-registration is compulsory

Registration link: <https://forms.gle/Qkwb2TaNRvXPMem7>

For further enquiry, e-mail to workshopbioinstrumentation@gmail.com

First sixty participants will only be allotted

E-certificates will be provided for the participants

Hands-on Training & Online Lecture Series in Bioinstrumentation



सत्यमेव जयते
Department of Science and Technology
Ministry of Science and Technology
Government of India

Sponsored by DST-PURSE/FIST Scheme



Organized by
School of Biosciences,
M.G University, Kottayam

CHAIRMAN

Prof. Dr. Jisha M S
Director, School of Biosciences
M.G University, Kottayam

DST-PURSE/FIST Co-ordinator
Prof. Dr. Keerthi T.R
School of Biosciences
M.G University, Kottayam

WORKSHOP ON

MICROWAVE DIGESTION

Microwave digestion is a common technique used by elemental scientists to dissolve heavy metals in the presence of organic molecules prior to analysis by inductively coupled plasma, atomic absorption, or atomic emission measurements.

DATES

VIRTUAL TRAINING

16th NOVEMBER 2021
Time: 07 PM to 08 PM

HANDS ON TRAINING

November 18th & 19th , 2021

MICROWAVE DIGESTION

BRAND

Anton Paar



ABOUT

This technique is usually accomplished by exposing a sample to a strong acid in a closed vessel and raising the pressure and temperature through microwave irradiation. This increase in temperature and pressure of the low pH sample medium increases both the speed of thermal decomposition of the sample and the solubility of heavy metals in the solution. Once these heavy metals are in solution, it is possible to quantify the sample through elemental techniques



Virtual class by

Mr. Krishna Muppalla
Technical Manager
Analytical and Synthetic Chemistry
Anton Paar India pvt Ltd

Hands-on training by

Mr. Basil Mathew
Assistant Technical Manager
Anton Paar India pvt Ltd



EXPAND YOUR RESEARCH

- ➔ No registration fee
- ➔ E- Certificate will be provided
- ➔ Targeted audience:
Faculty members &
Research scholars
- ➔ First come, first-serve basis
for offline training classes



ENEUE

School of Biosciences,
M.G University, Kottayam



Register Now!
Click Here



PROGRAM CO-ORDINATORS

Ms.Ligi Lambert D Rosario
Ms.Febiya Anna Fedin
Ms.Harsha Mohan



Contact us # 8138864044

[Mworkshopbioinstrumentation@gmail.com](mailto:workshopbioinstrumentation@gmail.com)