

Content of the Workshop

Session 1A-B

Inauguration and Welcome Address
Introduction of the Participants and the Host
Overview of various DST sponsored Programmes

Session 2A-B

Overview of Analytical Chromatography
Fundamentals, instrumentation and applications of HPTLC
Method optimization
Preventative maintenance and troubleshooting (Advancement in HPTLC: HPTLC-MS)

Session 3A-B

Fundamentals, instrumentation and applications of HPLC
Method development and optimization of different parameters for HPLC
Preventative maintenance and troubleshooting

Session 4A-B

Fundamentals, instrumentation and applications of Ion Chromatography
Sample preparation in ion chromatography
Method Optimization
Preventative maintenance and troubleshooting

Session 5A-B

Fundamentals, instrumentation and applications of Flash Chromatography
Purification of sample, Sample preparation and method optimization
Preventative maintenance and troubleshooting

Session 6A-B

Overview of Fluorescence Microscopy and DIC
Fundamentals, instrumentation and applications of Fluorescence Microscopy
Understanding specific applications, precautions, maintenance and troubleshooting

Session 7A

FTIR

Schedule of the Workshop

Day 1 (September 19, 2022)

0830	Registration
0900	Inaugural Session
0930	Session 1A
1000	Session 1B
1200	Lunch
1300	Department of Biosciences Lab Visit
1530	User requirement of precipitations
1600	Coffee Break

Day 2 (September 20, 2022)

0900	Session 2A
1100	Break
1130	Session 2B
1200	Lunch
1400	Lab Session 1
1730	Coffee Break

Day 3 (September 21, 2022)

0900	Session 3A
1100	Break
1130	Session 3B
1200	Lunch
1400	Lab Session 2
1730	Coffee Break

Day 4 (September 22, 2022)

0900	Session 4A
1100	Break
1130	Session 4B
1200	Lunch
1400	Lab Session 3
1730	Coffee Break

Day 5 (September 23, 2022)

0900	Session 5A
1100	Break
1130	Session 5B
1200	Lunch
1400	Lab Session 4
1730	Coffee Break

Day 6 (September 24, 2022)

0900	Session 6A
1100	Break
1130	Session 6B
1200	Lunch
1400	Lab Session 5
1730	Coffee Break

Day 7 (September 25, 2022)

1000	Session 7A
1300	Lunch
1400	Site Visit

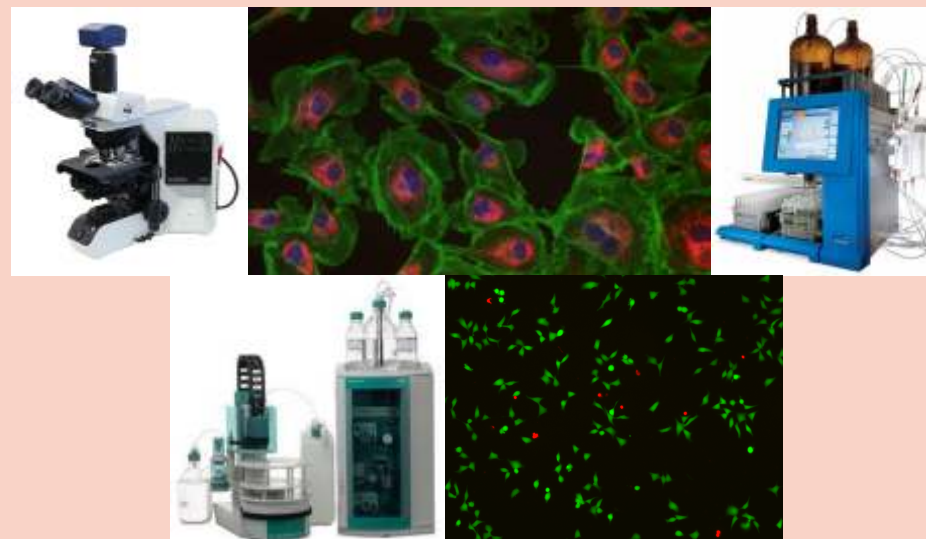
Seven Day Workshop On

ADVANCED ANALYTICAL TECHNIQUES

(Synergistic Training Programme Utilizing the Scientific and Technological Infrastructure)

DST - STUTI

September 19, 2022 to September 25, 2022



विज्ञान एवं
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SCIENCE AND
TECHNOLOGY



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