



Chromatography Workshop

Venue: IITB-Monash Research Academy
IIT Bombay, Powai, Mumbai 400076

Date: 29 October till 2 November 2018

www.iitbmonash.org

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Agenda:

Day 1: Registration, Introduction and Ion Chromatography (Atrium Area)

Day 2: Parallel Sessions:

Ion Chromatography for Pharma (Atrium Area)

Gas Chromatography and HPLC (Seminar Room)

Day 3: Forenoon: CHNSO (Seminar Room), Afternoon: Hands-on for Group 1,2 & 3 (Materials Lab)

Day 4: Hands-on training for group 1,2, and 3 (Materials Lab).

Day 5: Lectures on Innovation, IPR, Safety and Group Activity (Seminar Room)



Day1: Monday, 29 October 2018, Atrium Area

Agenda

Time	Topic	Speaker
9:00 am	Registration	
9:15 am	Industry partnership with the IITB-Monash Research Academy	Prof. Murali Sastry - CEO IITB-Monash Research Academy
9:45 am	Scientific Session 1 : Critical Aspects of Ion Chromatography	Dr. Joachim P. Weiss Technical Director Dionex Products, Thermo Fisher Scientific GmbH, Germany
11:00 am	Tea Break	
11:30 am	Scientific Session 2 : Applications - Drinking Water, Waste Water, Air, Food & Beverages, Nutraceuticals, Chemical-Refinery-Industrial-Power Plant etc.	Dr. Joachim P. Weiss
1:30 pm	Lunch	
2:30 pm	Scientific Session 3 : Sample Preparation Technique - ASE and Applications	Dr. Joachim P. Weiss
3:30 pm	Introducing the New Dionex™ ICS-6000 HPIC™ System	
3:45 pm	Close	

Day 2: Tuesday, 30 October 2018, Atrium Area

Agenda

Time	Topic	Speaker
9:00 am	Registration	
9:15 am	Industry partnership with the IITB-Monash Research Academy	Prof. Murali Sastry - CEO IITB-Monash Research Academy
9:45 am	Scientific Session 1 : Critical Aspects of Ion Chromatography	Dr. Joachim P. Weiss Technical Director Dionex Products, Thermo Fisher Scientific GmbH, Germany
11:00 am	Tea Break	
11:30 am	Scientific Session 2 : Applications - Pharma, BioPharma, Vaccines, Nutraceuticals etc.	Dr. Joachim P. Weiss
1:30 pm	Lunch	
2:30 pm	Scientific Session 3 : Sample Preparation Technique - ASE and Applications	Dr. Joachim P. Weiss
3:30 pm	Introducing the New Dionex™ ICS-6000 HPIC™ System	
3:45 pm	Close	



Day 2: Tuesday, 30 October 2018, Seminar Room

Parallel Session

Time	Topic
9:30- 10: 30	Introduction to Gas Chromatography
10:30 –10:45	Tea break with informal discussion on previous lecture
10:45 – 12:00	Principle & Instrumentation of Gas Chromatography
12:00- 13:15	Sample preparation for GC; Do's and Don'ts; Trouble Shooting
13:15 -13:45	Lunch
13:45-14:45	Introduction to HPLC and UHPLC
14:45-15:30	Principle & Instrumentation of HPLC and UHPLC
15:30-16:00	Tea Break
16-00-17:30	Sample preparation for HPLC; Do's and Don'ts; Trouble Shooting

Day 3: Wednesday, 31 October 2018, Seminar Room

Time	Topic
9:30- 10: 30	Introduction to CHNSO
10:30 –10:45	Tea break with informal discussion on previous lecture
10:45 – 12:00	Principle & Instrumentation of CHNSO
12:00- 13:15	Sample preparation for CHNSO; Do's and Don'ts; Trouble Shooting
13:15 -13:45	Lunch
13:45 pm till 17:30 pm	Group 1 (10 members): Lab-GC Instrumentation
	Group 2 (10 members): Lab- HPLC and UHPLC Instrumentation
	Group 3 (10 members): Lab- CHNSO
17:30 pm	Group Photo

Day 4: Thursday, 1 November 2018, Materials Lab

Time	Topic
9:30- 13:15	Group 1 (10 members): Lab- HPLC and UHPLC Instrumentation
	Group 2 (10 members): Lab- CHNSO Instrumentation
	Group 3 (10 members): Lab- GC Instrumentation
13:15 -13:45	Lunch
13:45 pm till 17:30 pm	Group 1 (10 members): Lab-CHNSO Instrumentation
	Group 2 (10 members): Lab-GC Instrumentation
	Group 3 (10 members): Lab-HPLC and UHPLC Instrumentation
17:30 pm – 17:45 pm	Group Activity Brief

Day 5: Friday, 2 November 2018, Seminar Room

Time	Topic
9:30- 10: 30	Lecture on Innovation (Prof. Murali Sastry, CEO of IITB-Monash Research Academy)
10:30 –10:45	Tea break with informal discussion on previous lecture
10:45 – 11:45	Intellectual Property Rights (External Expert)
11:45- 12:45	Safety in the work place (Dr. KS Nagabhushana)
13:00 -13:45	Lunch
13:45-14:45	Group Activity (Discussion on problem solving)
14:45	Program closes