



REPORT

Two Days Hands on training workshop on 'Chromatographic Method Development'

Jointly Organized by

B. V. Patel Education Trust, Ahmedabad

and

Indukaka Ipcowala College of Pharmacy

(A Constituent College of CVM University, Vallabh Vidyanagar)

2nd and 3rd April 2024

Indukaka Ipcowala College of Pharmacy (A Constituent College of CVM University, Vallabh Vidyanagar) and B. V. Patel Education Trust, Ahmedabad Jointly organized Two days Hands on training workshop on 'Chromatographic Method Development' on 2nd and 3rd April 2024. Total 21 Participants from industry and academia participated in the workshop.

Inaugural session:

The Workshop was inaugurated by **Dr. Manish Nivsarkar**, Director, BVPET and **Dr. Darshak Desai**, I/c Registrar, CVMU. **Dr. Harsha V. Patel**, Principal, IICP welcomed all the Guest, Resource persons and Participants. **Dr. Dimal Shah**, Co-ordinator of the Event, gave brief overview of the workshop. Dr. Manish Nivsarkar gave brief overview of working of BVPET and purpose of this workshop. Dr. Darshak Desai Congratulated organizing committee members of BVPET and IICP for organizing workshop. He also asked all the participants to take maximum benefit of the workshop. Dr. Usmangani Chhalotiya, Co Co-ordinator of the workshop proposed vote of thanks.

Lecture 1: First talk was delivered by **Dr. Dimal Shah**. He delivered a talk on 'Principles of Chromatography'. He gave idea about different chromatographic separation principles and their



uses. He also discussed about the importance of chromatographic techniques and discussed theories of chromatography.

Lecture 2: Dr. Rajesh Parmar, Professor, Anand Pharmacy College delivered a talk on ‘Steps in Chromatographic method development’. He discussed various steps like sample preparation, selection of stationary phase and mobile phase and importance of studying sample characteristics. He gave practical demonstration through Dry lab experimentation. He also discussed case studies on chromatographic method development.

Post Lunch session

Practical hands on training was conducted by Ms. Heta Kachhiya, Asst. Professor, IICP on HPTLC and Mr. Krunal Solanki, Asst. Professor, IICP on HPLC instruments. A Practical demonstration of the experiment was carried out. Various parameters for instrument handling were discussed with the participants. Experiment on HPLC and HPTLC was conducted with preparation of sample, application of sample, chromatogram development and analysis.

3rd April 2024

Lecture 1: First talk was delivered by **Dr. Hardik Bhatt**, Assoc. Professor, Institute of Pharmacy, Nirma University on ‘Validation of Chromatographic method’. He discussed various regulatory guidelines like ICH, USP for validation of analytical procedures. He discussed how to perform various validation terms. He discussed case studies on Analytical method validation and discussed parameters to be studied.

Lecture 2: Second talk was delivered by **Dr. Usmangani Chhalotiya**, Assoc. Professor, IICP on ‘Instrumentation of HPLC and HPTLC’. He discussed various instrumental aspect of HPLC including Pump, stationary phase and detectors. He discussed instrumentation of HPTLC and gave brief overview of photo documentation system, sample applicator, TLC scanner and development chamber. He discussed latest trend in the instrumentation of HPLC and HPTLC.



Post Lunch session

Ms. Jinal Tandel Asst. Professor, IICP conducted practical hands on training on HPTLC and **Ms. Mital Parmar**, Asst. Professor, IICP conducted hands on training on HPLC. Practical demonstration of the experiment was carried out. Various parameters for instrument handling were discussed with the participants. Experiment on HPLC and HPTLC was conducted with preparation of sample, application of sample, chromatogram development and analysis.

Valedictory Function:

Valedictory function was conducted in august presence of **Dr. Neeta Shrivastava**, Deputy Director, BVPET. She gave brief overview of the two days session and appreciated all participants for their active participation. All participants were given certificate. Session was ended with vote of thanks proposed by Ms. Heta Kacchiya, Co Co-ordinator of the workshop.





Dr. Dimal Shah
Co-ordinator

Dr. Harsha V.Patel
Convener