



RAJJU SHROFF ROFEL
UNIVERSITY, VAPI

ROFEL SHRI G.M. BILAKHIA COLLEGE OF PHARMACY, VAPI

NAAC Accredited B++ Grade Institution & Approved by Pharmacy Council of India

A Constituent College of Rajju Shroff ROFEL University, Vapi

ROFEL Namdha Campus, Vapi – Namdha Road, P.B. No.11, Vapi (West) – 396 191, Dist: Valsad (Gujarat)

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Ref. No. ROFEL/Pharm/

Date:

Report of Expert Alumni Talk Series-2025

Event: Expert Alumni Expert Talk Series-2025

Date & Venue: 10/1/2025

No of Participants: 80 (60 Bpharm 20 Mpharm)

Summary:

The Internal Quality Assurance Cell (IQAC) of ROFEL Shri G.M. Bilakhia College of Pharmacy organized a Expert Alumni talk-2024. The ROFEL Shri G M Bilakhia College of Pharmacy was delighted to host an expert alumni talk on "Trouble Shooting in HPLC"

Session Overview

The event was inaugurated by a welcome address by Ms. Ayesha Godal, Alumni Cell Coordinator. Guest was welcomed with flowers as a token of appreciation, followed by a brief introduction of the speakers.

Session by Ms. Dhrumi Naik (Assistant Professor, Maliba Pharmacy College, UTU Bardoli)

Ms Dhrumi explained that effective troubleshooting in HPLC requires a systematic approach to identify and resolve issues. Proper maintenance, careful preparation of mobile phases, and adherence to operating protocols significantly reduce troubleshooting needs, ensuring reliable and reproducible results. Ms dhrumi explained HPLC troubleshooting involves identifying and resolving common issues such as high back pressure, low pressure, baseline noise, poor peak resolution, and retention time shifts. These problems can stem from factors like clogged columns, leaks, poor mobile phase preparation, temperature fluctuations, or equipment malfunctions. Solutions include flushing the column, replacing filters, priming the pump, and cleaning the detector. Proper maintenance, such as degassing mobile phases, reducing sample injection volumes, and ensuring stable system temperatures, can prevent many issues. A systematic troubleshooting workflow involves observing symptoms, checking system components, applying tailored solutions, testing the system, and performing regular maintenance to ensure consistent, accurate results.



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The Expert Alumni Talk concluded with a Q&A session, where Ms Dhrumi Naik addressed queries from the audience & Vote of Thanks delivered by Dr. Chirag Desai. Special coordination was provided by the program coordinator of this expert alumnus Talk-2025 under the guidance of Dr. Arindam Paul – Dean & Principal Faculty of Pharmacy.



Dr. Alisha Patel felicitated Ms Dhrumi Naik

Ms Dhrumi Naik discussed with participants

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EXPERT ALUMINI TALK 2025

TOPIC: TROUBLE SHOOTING IN HPLC

Date
10th JAN, 2025

Time
10 AM ONWARDS

COORDINATORS:
Dr. Chirag Desai
Ms. Ayesha Godal

CONVENER:
Dr. Arindam Paul
Dean- Principal
Faculty of Pharmacy

ROTARY BALAR
AUDITORIUM, ROFEL
NAMDHA CAMPUS, VAPI

Ms. Dhrumi Naik
Assistant Professor
UTU, Bardoli

Prepared by: 1. Dr Chirag Desai (Associate Professor)

2. Ms Ayesha Godal (Assistant Professor)