

CSIR-CIMAP FIVE DAYS SKILL DEVELOPMENT



CSIR-INDIA



TRAINING ON

PRACTICAL ASPECTS OF LIQUID CHROMATOGRAPHY TECHNIQUES

[PALCT-2022]

[07 November - 11 November 2022]

CONTACT US

Director

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Techniques and Topics to be Covered

UPLC/HPLC

- Instrumentation
- HPLC/UPLC method development
- Transforming HPLC method to UPLC
- Column Chemistry
- Preparation of test solutions
- Directions for analysis
- Interpretation of quantitative analysis

CHE-05

Documentation of Results

Flash Chromatography

- Uses of the technique for upscaling/ purification
- Transformation of TLC method to FLASH
- Different stationary phase and uses thereof
- Directions for analysis

HPTLC

- HPTLC method parameters
- Different stationary phase and uses thereof
- Instrumentation
 Directions for ar
- Directions for analysis
 Interpretation of quantitative analysis

- Preparative HPLC
- HPLC method parameters
- Method scale-up from analytical HPLC pHPLC
- Columns and stationary phas
- Mobile phase
- Instrumentatior

Ion-Chromatography

- Principles, Mechanism & Instrumentation
- Applications in MAPs
- Carbohydrates, Organic acids
- Anions & Cations

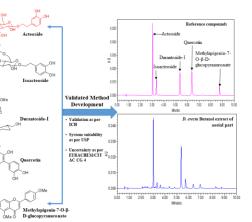
Size Exclusion Chromatography

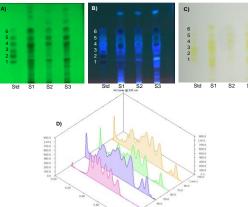
- Principles & Mechanism
- Key points for Separation
- Column Selection

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Application in Natural Product







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TRAINING PROGRAM

An outstanding platform to get an exposure to UPLC, HPLC, HPTLC, SEC & liquid Flash chromatographic techniques and upscaling of the components by preparative HPLC will be offered pertinent to medicinal plants and prepared products thereof. A complete theoretical as well as practical knowledge on these maintenance techniques. of related instruments and method development can be extracted from this training.



GET THE AUTHENTIC RESULTS

The present training is expected to intensify the knowledge on subject and allow person to apply modern liquid chromatographic techniques in different application. and the role of each module in multi component instrumentation. This course will enable candidates to develop HPLC methods and transferring the parameters adaptation of documented methods in their own application. Additionally, the training will enable you to updates with latest International guidelines (ICH & USFDA) of method developments:

EXPECTED OUTCOME

- Better understanding of the parameters provided in any in a documented analytical method.
- Follow pertinent method to arrange a system for analysis/upscaling.
- Perform an analytical method and obtain results of chromatographic analysis.
- Interpret the acquired chromatograms from UPLC/HPLC/HPTLC analysis.
- Calculate results of analysis of the analytical results.
- Implement common measures to prevent malfunctioning of instruments.
 - o's and Don'ts of HPLC/HPTLC analysis. Application of HPLC and HPTLC method in herb QC/QA operations



MORE ABOUT TRAINING

Duration Batch size Mode of Registration Registration Fee Payment mode	: :	05 days (Residential). 20 [First come first served basis] Interested candidates have to submit the Registration Form along with course fee (available on CIMAP website). Students: INR 7,500/-; Industries/Institution sponsored: INR 15,000/- The demand draft in favour of "Director, CSIR-CIMAP , Lucknow "payable at Lucknow or through online transfer. Bank Detail for online transfer -			
		Account No.			
		Account holder	:	Director, CIMAP, Lucknow	
		Bank Address	:	State Bank of India, Main Branch, Hazaratganj, Lucknow	
		Branch Code	:	000125	
		IFSC code	:	SBIN0000125	
		MICR code		226002002	
Accommoda	Note: No Refund is permissible in any circumstances. The selected candidates will be informed on phone/email. Accommoda : Program is Hybrid. Accommodations to only 10 candidate				
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Accommoda	:	Program is
tion		will be provid
Dates	:	07 Novemb
Timings	:	9:30 AM to

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