



## JAMIA HAMDARD

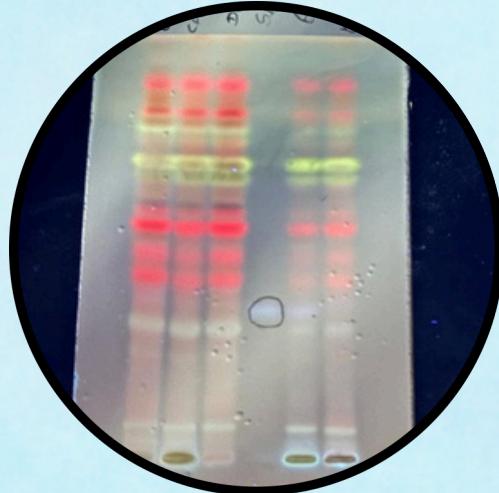
### CENTRE OF EXCELLENCE IN UNANI MEDICINE

(Pharmacognosy and Pharmacology)

**BioactiveNaturalProductLaboratory(BNPL)**

ORGANIZES

# THREE DAYS WORKSHOP ON HPTLC



# REPORT

### Event Details

DATE

3rd- 5th December 2025

TIME

10:00 AM–5:00 PM

VENUE

**Auditorium, Centre of Excellence in Unani Medicine  
&  
Bioactive Natural Products Laboratory (BNPL)  
Jamia Hamdard**



JANAB HAMMAD AHMED  
CHANCELLOR  
JAMIA HAMDARD



PROF(DR)MAFSHARALAM  
VICE CHANCELLOR  
JAMIA HAMDARD

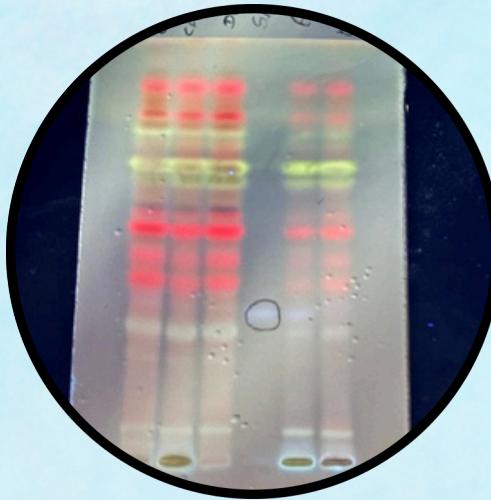
## JAMIA HAMDARD

### CENTRE OF EXCELLENCE IN UNANI MEDICINE

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# THREE DAYS WORKSHOP ON HPTLC



#### Workshop Highlights

- Hands-on HPTLC training
- Sample preparation for herbal & pharma products
- Method development & validation
- Fingerprinting and quantification of Markers
- QC applications & regulatory relevance
- Expert guidance and live demonstrations

#### Event Details

DATE  
**3<sup>rd</sup>– 5<sup>th</sup> December 2025** TIME  
**10:00 AM – 5:00 PM**

VENUE  
**Auditorium, Centre of Excellence in Unani Medicine & Bioactive Natural Products Laboratory (BNPL) Jamia Hamdard**

**LIMITED SEATS**

**(25 Seats)**

**(Selection on First Come First Serve Basis)**

#### Registration Link:

<https://forms.gle/ccXkS8EI3QXHZs6q8>



**REGISTERATION FEE: ₹ 200**

#### ELIGIBILITY CRITERIA:

Only for AYUSH Professionals & PhD Scholars of Jamia Hamdard

## ORGANIZING CHAIRPERSONS

**PROF (DR) SAYEED AHMAD**  
DIRECTOR, COE  
JAMIA HAMDARD

**PROF (DR) YASMEEN SHAMSI**  
DEAN, SUMER  
JAMIA HAMDARD

**PROF ANWAR KHAN**  
PROFESSOR  
SUMER, JAMIA HAMDARD

## ORGANIZING SECRETARIES

**DR RABEA PARVEEN**  
ASSISTANT PROFESSOR  
SPER, JAMIA HAMDARD

**DR BUSHRA PARVEEN**  
ASSISTANT PROFESSOR  
SPER, JAMIA HAMDARD



For Query

**+91 7982171581**

**CENTRE OF EXCELLENCE IN UNANI MEDICINE**  
**(Pharmacognosy and Pharmacology)**  
***Bioactive Natural Product Laboratory (BNPL)***  
**JAMIA HAMDARD**  
**THREE DAYS WORKSHOP ON HPTLC**

**Programme Schedule**

<b>Day 1 (03.12.2025)</b>	
<b>Time</b>	<b>Event</b>
09:30 am - 10:00 am	Registration
10:00 am - 10:30 am	Welcome and introduction
10:30 am - 12:30 pm	Lecture 1: Fundamentals and applications of Thin Layer Chromatography
12:30 am - 01:00 pm	Open interaction (Q & A discussion)
01:00 am - 02:00 pm	Break
02:00 pm - 04:00 pm	Lecture 2: HPTLC Instrumentation & Workflow
04:00 pm - 04:15 pm	High tea
04:15 pm - 05:00 pm	Open interaction (Q & A discussion)/ Expert Talk
<b>Day 2 (04.12.2025)</b>	
10:00 am - 12:30 pm	Sample preparations for HPTLC and method development
12:30 am - 01:00 pm	Open interaction (Q & A discussion)
01:00 am - 02:00 pm	Break
02:00 pm - 04:00 pm	HPTLC fingerprint analysis and its result interpretation and HPTLC bioautography
04:00 pm - 04:15 pm	High tea
04:15 pm - 05:00 pm	Open interaction (Q & A discussion)/ Expert Talk
<b>Day 3 (05.12.2025)</b>	
09:30 am - 11:30 am	Identification & quantification of Marker in live sample using HPTLC
11:30 am - 12:00 pm	Valedictory ceremony
12.00 pm - 01.00 pm	Lunch
01:00 am - 02:00 pm	Break
02:00 pm - 04:00 pm	Discussion and briefing on HPTLC method validation
04.00 pm - 04.30 pm	High tea
04.30 pm - 05.00 pm	Open interaction (Q & A discussion)

# VALEDICTORY CEREMONY THREE DAYS WORKSHOP ON HPTLC

*5th December, 2025  
Jamia Hamdard, New Delhi*

## *MINUTE-TO-MINUTE PROGRAM*

11:30 - 11:32 AM	Welcome to the Dignitaries
11:32 - 11:35 AM	Felicitation of Dignitaries
11:35 - 11:40 AM	Welcome Address by Organizing Chairman, <b>Prof Sayeed Ahmad</b> , Director, CoE UM, JH
11:40 - 11:45 AM	Address by Guest of Honor, <b>Prof Javed Ali</b> , Officiating Dean, SPER, JH
11:45 - 11:50 AM	Address by Guest of Honor, <b>Prof Asim Ali Khan</b> , Officiating Dean, SUMER, JH
11:50 - 11:55 AM	Address by Chief Guest, <b>Colonel Tahir Mustafa</b> , Registrar, JH
11:55 AM - 12:10 PM	Felicitation of Participants
12:10 - 12:15 PM	Vote of thanks by Organizing Secretary, <b>Prof Anwar Khan</b> , Professor, SUMER, JH
12:15 - 12:20 PM	National Anthem
12:20 - 02:00 PM	LUNCH BREAK

## Three-Day Workshop on High-Performance Thin-Layer Chromatography (HPTLC)

The Centre of Excellence in Unani Medicine (CoE UM) (Pharmacognosy and Pharmacology), in conjunction with the Bioactive Natural Product Laboratory (BNPL) at Jamia Hamdard, successfully concluded a comprehensive Three-Day Workshop on High-Performance Thin-Layer Chromatography (HPTLC), with highly enthusiastic response, a total of 48 participants successfully completing the training and certification. The intensive training program was held from December 3rd to December 5th, 2025, at the CoE UM Auditorium and BNPL Laboratory, with the aim of imparting advanced practical and theoretical knowledge of HPTLC applications for quality control and research in herbal and pharmaceutical sciences.

The workshop was a specialized capacity-building program aimed at enhancing the skills of AYUSH Professionals and PhD Scholars of Jamia Hamdard. The primary objective was to facilitate the application of HPTLC as a critical Quality Control (QC) tool for herbal and pharmaceutical products. The three-day schedule was structured to cover the entire HPTLC workflow, from sample preparation to final result interpretation. The hands-on training and live demonstrations were a significant highlight.

The day was started with the formal introduction by the participants

The practical demonstration was facilitated by *Mr. Gaurav Thombare* from Anchrom Enterprises (I) Pvt Ltd, the leading CAMAG partner in India. The entire HPTLC analysis and data management were performed live using the sophisticated and regulatory-compliant VisionCATS software, guiding the participants through the automated workflow, from plate application to documentation.

### Day 1: Fundamentals and Instrumentation (December 3rd, 2025)

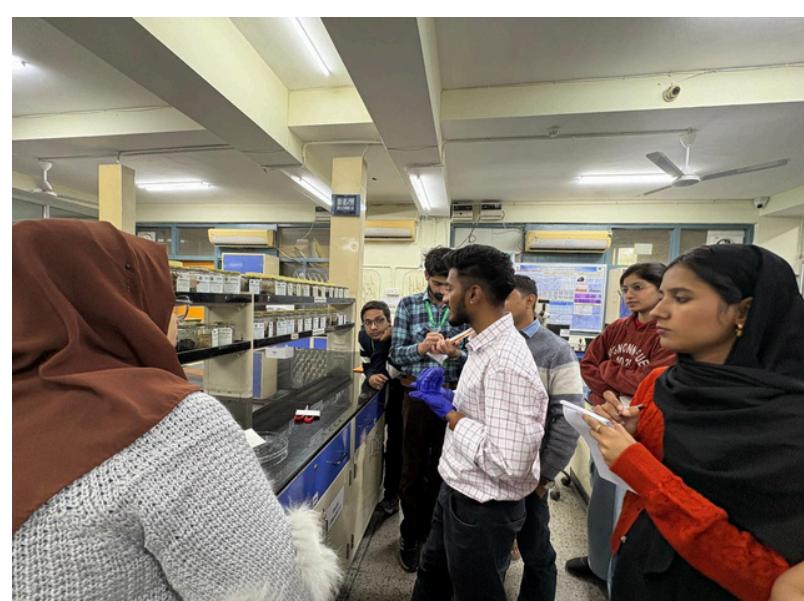
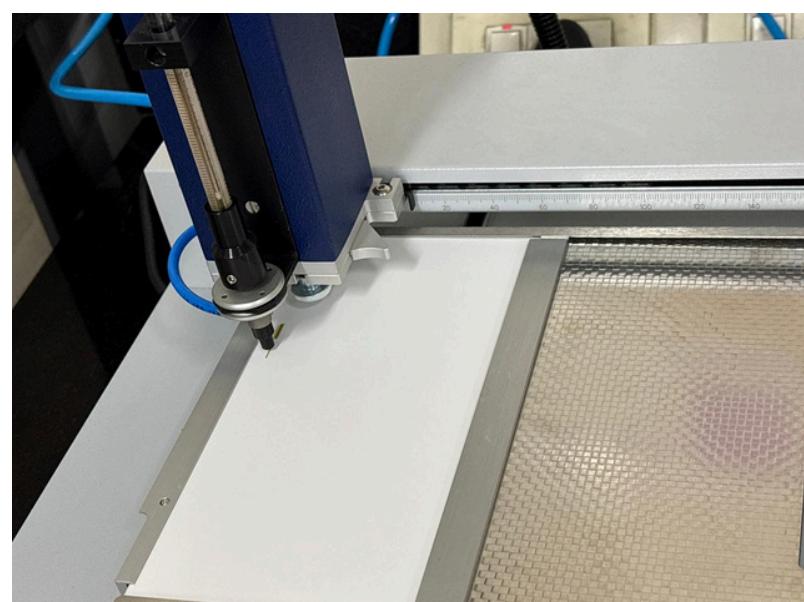
The inaugural day commenced with registration at 9:30 AM, followed by a formal Welcome and Introduction session. The HPTLC workshop began with a two-hour technical session on the Fundamentals and Applications of Thin-Layer Chromatography. This laid the foundational groundwork, highlighting the chromatographic principles and the evolution from traditional TLC to the high-performance variant. In the afternoon session, the participants were given an in-depth understanding of the state-of-the-art automated equipment and the HPTLC Instrumentation & Workflow. Both the morning and afternoon sessions were followed by extensive Open Interaction (Q & A Discussion) periods and an Expert Talk, allowing the participants to clarify technical queries directly with the resource persons.





## Day 2: Method Development and Advanced Techniques (December 4th, 2025)

Day 2 focused on practical execution and method customization. The hands-on training was a significant highlight, led by the speaker and demonstrator, Mr. Gaurav guided the researchers through the practical process. The morning session covered crucial techniques, including Sample Preparations for HPTLC and Method Development. This session emphasized best practices for preparing herbal extracts and pharma products to ensure high-quality results. The post-lunch technical session was an efficient component, concentrating on HPTLC Fingerprint Analysis and its Result Interpretation, and introducing cutting-edge techniques in chemical detection. This included practical exposure to derivatization using specific reagents like the Anisaldehyde spray, a widely used method for visualizing a broad spectrum of natural compounds, and the powerful biological detection method of DPPH bioautography, which allows researchers to directly localize antioxidant activity on the HPTLC plate. Participants gained experience in generating and interpreting characteristic chromatographic profiles for complex matrices.



### **Day 3: Quantification, Validation, and Conclusion (December 5th, 2025)**

The final day combined advanced practical analysis with regulatory compliance. The morning session involved the essential skill of Identification & quantification of Markers in a plant extract using HPTLC. Participants were trained to precisely determine the concentration of active components by applying established analytical techniques to scan the separated compound bands on the HPTLC plate. Using the VisionCATS software, they performed densitometric analysis and compared the peak areas of the sample components against established reference standards, which is the cornerstone of accurate standardization for pharmaceutical and herbal products. The concluding technical session provided a comprehensive Discussion and briefing on HPTLC method validation, a crucial step for achieving reliable, publishable, and regulatory-accepted data.

### **Valedictory Ceremony**

The workshop concluded with a formal Valedictory Ceremony. The ceremony started with the formal Welcome to the Dignitaries, followed immediately by the Felicitation of the Guests on the dais with planters, mementos, and shawl. The gathering was then addressed by the Organizing Chairman, *Prof. Sayeed Ahmad*, followed by the esteemed Guests of Honor, *Prof. Javed Ali* (Officiating Dean, SPER) and *Prof. Asim Ali Khan* (Officiating Dean, SUMER), esteemed speaker *Mr. Gaurav*, and finally by the Chief Guest, *Colonel Tahir Mustafa*, Registrar of Jamia Hamdard. The ceremony also included the Felicitation of the Participants. All 48 participants who completed the intensive three-day program were called forward to receive their certificates from the dignitaries, marking the successful conclusion of their training. The final Vote of Thanks was delivered by the Organizing Secretary, Prof. Anwar Hussain Khan. The event officially concluded with the assembly standing reverently for the National Anthem, followed by a group photograph and the scheduled lunch break.





## List of participants

1. Afeefa Khan
2. Afeefa Nafees
3. Afshan Khan
4. Aftab Alam
5. Aisha Siddiqui
6. Amaan Haider
7. Archana Kumari
8. Ayesha Siddiqui
9. Azhar Jabeen
10. Dr Azka
11. Dr Bushra Parveen
12. Dr Rabea Parveen
13. Dr Sana Rehman
14. Dr Suhail Maddubai
15. Fairy
16. Hamad Ali
17. Hammad Ahmed Khan
18. Hesham Ahmad
19. Irham Ahmad
20. Kahkashan Jabin
21. Km Mariya
22. Locharla Neelima
23. Madiha Ashfaque
24. Mariyam Hussain
25. Md Reyaz Alam
26. Mehnaz Perween
27. Mohammad Mohsin
28. Mohammad Usman
29. Mukta Satsangi
30. Naveen Reddy Penumallu
31. Nida Parveen
32. Niharika
33. Pushkar Kaira
34. Ritu Sharma
35. Sahiba
36. Saiyada Haseeba Zaidi
37. Sana Khan
38. Sanover Khan
39. Shadaan Ahmad
40. Shaheen Shabbir
41. Shahid Shah Chaudhary
42. Shama Parveen
43. Sharfa Naaz
44. Shazia Jilani
45. Tabassum Jahan
46. Uzma Jabeen
47. Vansh Dhiman
48. Zainab Mantasha

