



# International Conference on



सत्यमेव जयते  
Ministry of AYUSH  
Government of India

## Scientific Research in Unani Medicine: Current Trends and Approaches

UNANI DAY CELEBRATION 2024

21-22 Feb 2024

&

## 2<sup>nd</sup> National Workshop

on

## Capacity Building of Ayush Professionals

23-25 Feb 2024

New Delhi, India

Organized by

**Centre of Excellence In Unani Medicine (CoE UM)**

(Pharmacognosy and Pharmacology)

**Bioactive Natural Product Laboratory (BNPL)**

**School of Pharmaceutical Education and Research (SPER)**

(NIRF RANK 2, PHARMACY INSTITUTE OF INDIA)

&

**School of Unani Medical Education and Research (SUMER)**

**JAMIA HAMDARD**

[www.bnpl.org.in](http://www.bnpl.org.in) | [www.jamiahamdard.edu](http://www.jamiahamdard.edu)

In Association with



Ayurswasthya Yojana Scheme, Ministry of Ayush



# INVITATION

## Dear Friends

The organizing committee extends a warm invitation to join us at the International Conference and Workshop 2024, hosted by the Centre of Excellence in Unani Medicine (Pharmacognosy and Pharmacology), Bioactive Natural Product Laboratory (BNPL), School of Pharmaceutical Education and Research (SPER), Jamia Hamdard, New Delhi, India, scheduled from 21<sup>st</sup> to 25<sup>th</sup> February, 2024, under Ayurwashthya Yojana of Ministry of Ayush, Govt. of India.

The Conference will review, discuss, and explore the *Scientific Research in Unani Medicine: Current Trends and Approaches*, whereas the workshop will be organized for *Capacity Building of Ayush Professionals*. The major topics such as current Quality and Regulatory aspects of Unani medicine in India and abroad, management of chronic diseases (Liver, Kidney etc.), Ayush Aahar as well as modernization of dosage forms will be discussed at large. Additionally, there will be short lectures by young faculty members, accompanied by scientific poster/oral presentations for Hakeem Abdul Hameed Young Researcher Awards competition. The workshop will be focused on skill development with hands-on training in the emerging areas of research in Unani Medicine especially *in silico* Network Pharmacology, AI in data analytics, Zebrafish as a screening model and *in vitro* cytotoxicity assays of herbal drugs.

Jamia Hamdard is a prestigious institution renowned for its academic excellence. The School of Pharmaceutical Education and Research at Jamia Hamdard is one of the oldest and most reputed Pharmacy Institutes of India and has been consistently *ranked #1* amongst the Pharmacy Schools of the country (*NIRF 2017, 2019, 2020, & 2021, Ministry of HRD, Govt. of India*). The Bioactive Natural Product Laboratory, is a well-equipped laboratory in the Department of Pharmacognosy and Phytochemistry recognized as a Centre of Excellence in Unani Medicine by the Ministry of Ayush, Government of India, is engaged in significant researches on traditional medicines and herbal drugs, with several academic and industrial collaborations both Nationally and Internationally.

New Delhi, the capital of India, boasts a rich historical heritage, making it an ideal destination for exploration. We eagerly anticipate your participation in this intellectually stimulating event and extend our assistance to ensure a delightful experience during your visit.

Sincerely

**Prof Sayeed Ahmad**  
**Organizing Secretary**

International Conference and National Workshop 2024 is being organized by Centre of Excellence in Unani Medicine (Pharmacognosy and Pharmacology), Bioactive Natural Product Laboratory, Jamia Hamdard in association with CCRUM, UDMA and SFE on 21-25 Feb, 2024, at New Delhi, India. The Conference will focus on Current Trends and approaches in research on Unani Medicine with emphasis on development of synergy-based products with scientific validation of traditional claims. The workshop will mainly be focused on skill development with hands-on training in the emerging areas of research in Unani Medicine esp. *in silico* Network Pharmacology, AI in data analytics, Zebrafish as a Screening model, and *in vitro* Cytotoxicity of herbal drugs. On behalf of the organizing committee, it is our pleasure to invite you to participate in this International Conference and National workshop and take advantage of this opportunity.

### **JANAB HAMMAD AHMAD SB**

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Chief Patron

### **PROF M AFSHAR ALAM**

Vice Chancellor, Jamia Hamdard  
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#### **PROF ASIM ALI KHAN**

Dean, SUMER, Jamia Hamdard  
Organizing Chairman

#### **PROF FARHAN JALEES AHMAD**

Dean SPER, Jamia Hamdard  
Organizing Co-Chairman

#### **Prof Anwar Hussain Khan**

SUMER, Jamia Hamdard  
Coordinator

#### **Dr Mohammad Ahmed Khan**

SPER, Jamia Hamdard  
Coordinator

#### **Dr Rabea Parveen**

SPER, Jamia Hamdard  
Coordinator

#### **Dr Bushra Parveen**

SPER, Jamia Hamdard  
Coordinator

### **PROF SAYEED AHMAD**

Organizing Secretary,  
Director: CoE Unani Medicine and Head, Food Technology, Jamia Hamdard

## **IMPORTANT DATES**

**Abstract submission opens**                      **01 Feb 2024**

**Abstract submission deadline**                      **12 Feb 2024**

**Notification of acceptance**                      **14 Feb 2024**

**Registration deadline**                      **16 Feb 2024**

**Poster/Oral Presentations**                      **22 Feb 2024**

**Jamia Hamdard**, established in 1989, is a Deemed to be University primarily known for its Pharmacy, Medicine and Engineering programs. Jamia Hamdard is ranked among the top 40 Universities of India by the National Institutional Ranking Framework (NIRF), Govt of India and has been accredited with an A+ grade by the National Assessment and Accreditation Council (NAAC) of India. The university offers graduate and postgraduate programs in medicine, pharmacy, unani medicine, nursing, science, computer applications, management, allied health sciences, law and other disciplines. Jamia Hamdard is a pioneer in initiating integrated research in the modern and traditional streams of science and has been recently recognized as the Centre of Excellence in Unani Medicine (Pharmacognosy & Pharmacology), by the Ministry of Ayush, Govt. of India [For further details, please visit [www.jamiahamdard.edu](http://www.jamiahamdard.edu)].

**School of Pharmaceutical Education and Research (SPER)** is one of the oldest and the most reputed Pharmacy Institutes in India and has been a rank-holder among the best pharmacy institutions. It has bragged 1st (NIRF 2017, 2019, 2020, 2021 and 2022) as well as 2nd rank (2023) by the Ministry of Education, Govt. of India. Currently, the school offers post-graduate and Ph.D. programs in all the major disciplines of pharmaceutical sciences in addition to diploma and undergraduate pharmacy courses. The SPER has instituted advanced infrastructural facilities including a well-equipped instrumentation center having TEM, NMR, LC-MS/MS, GCMS, ICP-MS, HPLC, HPTLC, SFE, etc and other state-of-the-art laboratories such as Centre of Excellence in Unani Medicine (Pharmacognosy & Pharmacology), Bioactive Natural Products Laboratory and Nanomedicine Laboratory. All four departments of SPER are DST-FIST sponsored and are actively involved in research as evidenced by their publications in reputed journals.

**The Centre of Excellence in Unani Medicine (Pharmacognosy and Pharmacology)** is a state-of-the-art research facility at the School of Pharmaceutical Education and Research, Jamia Hamdard, New Delhi. The Centre of Excellence in Unani Medicine (CoE) is funded by the Ministry of Ayush, Government of India, and is dedicated to conducting advanced scientific investigations on the Unani System of Medicine under the Ayurswasthya Yojana Scheme. The Centre maintains valuable research collaborations with renowned industries, including Hamdard Laboratories Food Division, Dabur India Ltd., Aimil Pharmaceuticals India Ltd., Universal Biotech Pvt. Ltd., Transformative Learning Solutions Pvt. Ltd., Dolcas Botanosys Pvt. Ltd., Tulip Lab Pvt. Ltd., Avitech Nutrition Pvt. Ltd., and AyuSwasth Pvt. Ltd. Additionally, we have established collaborative partnerships with educational institutions both within India and abroad, including NCNPR at the University of Mississippi (USA), University of Khartoum (Sudan), St Petersburg University, Russia and many more. CoE in Unani Medicine hosts over 25 research scholars, including postdoctoral fellows, Ph.D. and postgraduate candidates. With ongoing projects worth more than 15 crores, we have successfully established modern sophisticated research facilities. Additionally, a vast collection of over 500 valuable reference standards and 350 preserved raw materials are part of our collection. CoE offers a range of services, including GC-MS with ECD and Head Space Online Library, SCFE (Supercritical Fluid Extractor), Flash Chromatography, HPTLC (High-Performance Thin-Layer Chromatography), ICP-MS (Inductively Coupled Plasma Mass Spectrometry), Stability Chamber, Zebrafish Housing System, Fume Hoods, Biosafety Level 3 Laboratory (BSL-3), Biosafety Cabinet, Laminar Flow Hood and Advanced Microscopes. Software Tools including BioRender, Mass Fragmenter, XL-Stat and GraphPad Prism are available. A conference hall with a seating arrangement for 80 attendees equipped with a Digital Audio/Visual Projector and High-Definition video cameras for presentations and recordings. A cafeteria to cater the needs of researchers and participants is a part of the infrastructure of CoE. These facilities significantly enhance the Center's capacity for advanced research, analysis, and collaborative activities including capacity building and skill development.

CoE takes great pride in the extensive training it offers, having produced over 75 highly skilled professionals who now hold reputed positions worldwide. Our contributions to the scientific community go beyond our personnel, with over 400 publications in esteemed journals and numerous patents and technology transfers of developed products to various industries. In the field of traditional medicine, CoE has organized numerous workshops, national and international seminars and conferences. Notably, SFEC 2020 was a resounding success, with the participation of over 350 resource persons from more than 50 countries and more than 2500 delegates from India and abroad. Similarly, IASTAM 2022 witnessed the presence of over 100 renowned speakers from India and various other countries, including the USA, UK, Russia, UAE, KSA, Bangladesh, Nepal, Iran, and more, along with over 1500 delegates from India and abroad. These remarkable achievements are made possible under the capable leadership of Prof (Dr) Sayeed Ahmad, the Director of Centre of Excellence in Unani Medicine (Pharmacognosy and Pharmacology).

At CoE UM, it's our privilege to serve the nation and to assist Ayush professionals with the scientific services required for the development of quality Ayush products of botanical/herbal origin. CoE always welcomes students, Ayush professionals, industry professionals, start-ups, etc. to avail all kinds of scientific services as per the mandates of the Ayurshwasthya Yojana Scheme of the Ministry of Ayush and for mainstreaming of Ayush professionals and fulfilling the objectives of the National Ayush Mission [For further details, please visit [www.bnpl.org.in](http://www.bnpl.org.in)]

## MAJOR HIGHLIGHTS

Major highlights related to Unani/Traditional medicine/Medicinal plants and their formulations regarding the topics not limited to:

- Evaluation of efficacy and safety of herbs and their formulations
- Identification and quality control of medicinal plants and other traditional resources
- Chromatographic analysis including HPTLC, metabolomics, network pharmacology, pharmacokinetics and stability studies of raw materials and formulations
- Interdisciplinary and integrative approaches for the promotion and development of traditional medicines including detoxification and modification of dosage forms
- Multitargeted synergy-based approaches in drug development and phytopharmaceuticals
- National and international regulatory challenges of the current global market, IP rights and patents
- Clinical evaluation and pharmacovigilance studies of traditional medicines
- Studies on dietary supplements, nutraceuticals and functional foods

# REGISTRATION

CONFERENCE REGISTRATION FEE (NON-REFUNDABLE)

| Category                             | Amount |
|--------------------------------------|--------|
| Student/Research Scholar/SFE Members | ₹1000  |
| Non-Members (Academia/Industry)      | ₹1500  |

Registration Link <https://forms.gle/b5AGzR3FKVboxuqY9>

Abstract submission Link <https://forms.gle/5rqvmY5xZ29ETcVQ6>

## INTERNATIONAL CONFERENCE

### Program Schedule

| DAY 1 (21 Feb 2024)                            |                   |
|--|-------------------|
| Venue - HAH Archives Auditorium, Jamia Hamdard |                   |
| 01:30 - 02:30 PM                               | Registration      |
| 02:30 - 04:00 PM                               | Inauguration      |
| 04:00 - 05:15 PM                               | Keynote Addresses |
| High Tea (05:15 - 05:30 PM)                    |                   |

| DAY 2 (22 Feb 2024)                             |  |
|---|--|
| Venue - Hall 1 Convention Center, Jamia Hamdard |  |
| 09:30 - 11:00 AM                                | Keynote/Plenary Lectures/ Panel Discussion<br><b>Quality and Regulatory aspects &amp; Management of Chronic diseases</b> |
| Tea Break (11:00 - 11:15 AM)                    |  |
| 11:15 - 01:30 PM                                | Plenary Lectures/ Panel Discussion<br><b>Ayush Aahar and modernization of dosage forms</b>                               |
| 11:15 - 01:30 PM                                | Poster presentations   |
| Lunch Break (01:30 - 02:30 PM)                  |  |
| 02:30 - 04:45 PM                                | Short Lectures by Young faculty members  |
| 02:30 - 04:45 PM                                | Oral Presentations   |
| 04:45 - 05:30 PM                                | Valedictory Session  |
| High Tea (05:30 PM)                             |  |



## SCIENTIFIC SESSIONS: SUBMISSION OF ABSTRACTS

Abstracts are invited from the scientific community from research scholars for oral, poster presentations and from young faculty/investigators for short lectures. All the accepted abstracts will be published in the Abstract Book and remain available online and in hardcopy.

*Three best presentations* in each of POSTER, ORAL & SHORT LECTURES category, will be awarded Hakeem Abdul Hameed Young researcher award. The abstracts related to various aspects of traditional medicine, herbals drugs and medicinal plants will be given priority and can be submitted online using the following link <https://forms.gle/5rqvmY5xZZ29ETcVQ6> solely by the presenting author.

### Instructions to Authors

- The presenting author must be a registered delegate.
- Abstracts should only be submitted via google form.
- Abstracts should be original work.
- All abstracts must be in English language and typed in Times New Roman, 12 font.
- Submit the abstracts as per the format, which includes Title of the abstract, Authors and co-authors and their affiliations (**Underline the presenting author's name** and indicate the author affiliation with superscript numbers).
- Abstracts should be structured including background, objective, methodology, results, and conclusion along with 3-5 keywords.
- Word limit for the abstract is 250 words.
- The acceptance for oral/poster presentations will be sent through mail within 03 days of submission.
- **Poster dimension should be 4 feet in height and 3 feet in width.**

### SAMPLE ABSTRACT

**Title: The title of the abstract must be short and self-explanatory**  
(Font type: Times New Roman; Font size 14, bold)

**Authors: First name Last name<sup>1\*</sup>, First name Last name<sup>2</sup>, First name Last name<sup>1</sup>** (Font type: Times New Roman; Font size 12, bold)

<sup>1</sup>Affiliation, Institution/ Organization, official address (Font type: Times New Roman; Font size 12, not bold)

<sup>2</sup>Affiliation, Institution/ Organization, official address

\*Corresponding author: Phone: xxxxxxxxxx (mobile number preferred)

E-mail: [xxxx@xxx.xxx](mailto:xxxx@xxx.xxx)

**Underline the presenting author**

**ABSTRACT (Not more than 250 words typed in Times New Roman, Font size 12)**

**Background:** Clear definition and introduction to the topic. No reference should be included.

**Aims/Objectives:** Aim(s)/ objective(s) must be very clear.

**Methods:** Brief methodology of the study that must be clearly stated.

**Results:** Results must be presented in the running text. No figures and tables are allowed.

**Conclusion:** Conclusions must be clear and answer the research question posed.



## **HAKEEM ABDUL HAMEED YOUNG RESEARCHER AWARDS.**

*Centre of Excellence in Unani Medicine (Pharmacognosy and Pharmacology), Bioactive Natural Product Laboratory, SPER, Jamia Hamdard* has instituted this award for Young Researchers in the field of *Traditional/Unani Medicine/Natural product research for drug discovery* in the memory of **Late Hakeem Abdul Hameed Sb**, Founder Chancellor, Jamia Hamdard

### **Objective**

To recognize and encourage the young talented scientists/researchers/scholars from academia and industry working in any area of *Traditional/Unani Medicine/Natural product* research including quality control, pharmacology etc. or any other research related to the promotion and development of Unani and other traditional medicine.

### **Criteria of selection**

The selection will be limited to the delegates of the International conference, who will register for the conference and get their paper accepted for poster/oral presentation/short lecture. Participants engaged in research in any field of Traditional Medicine/ Natural product research, up to the age of 45 years, are eligible.

Three best presentations in each category (Poster/Oral/Short lecture) will be awarded based on the relevance of work and quality of presentation during the conference, where the presentations will be judged by the experts from different areas, as decided by scientific committee.

The Award carries a Memento and a Certificate.



# 2<sup>nd</sup> NATIONAL WORKSHOP ON CAPACITY BUILDING OF AYUSH PROFESSIONALS

The 2<sup>nd</sup> National Workshop will be organized after Conference from 23-25 Feb, 2024 at CoE. While all are welcome to register for the conference, preference will be given to Ayush Professionals. Mere registration does not guarantee the selection because of limited number of seats (30). Only selected participants will be informed via mail to complete their registration after payment of fee by due date (Please register for the workshop using the provided link). The travel allowance (amount equivalent to 2AC train fare) will be reimbursed to all selected workshop participants (other than those from Delhi/NCR  $\leq 15$ ). The Center will also provide **complementary accommodation** to the outstation participants. The following three days workshop will be offered to only selected candidates.

## THEMES

Day 1: *In silico* Network Pharmacology of herbal drugs against molecular targets

Day 2: Zebrafish as a Screening Model for Traditional plants and formulations

Day 3: *In vitro* Cytotoxicity studies of extracts/Ayush formulations

## WORKSHOP REGISTRATION

Workshop fee: ₹1500

Registration link: <https://forms.gle/TGzXWfEGLqLxH5VG8>

**\*The selected candidates will be informed through mail/phone for the payment to complete their registration.**

## Three Days Capacity Building Workshop for Ayush Professionals

23-25 Feb 2024

Program Schedule

| DAY 1 Fri (23 Feb, 2024) |  |
|--------------------------|--|
| 09:00 - 10:00 AM         | Registration   |
| 10:00 - 11:00 AM         | Inauguration   |
| 11:00 - 01:00 PM         | <i>In silico</i> Network Pharmacology (Hands on Training)        |
| 02:00 - 05:00 PM         | Artificial Intelligence in data analytics                        |
| DAY 2 Sat (24 Feb, 2024) |  |
| 09:00 - 01:00 PM         | Zebrafish as a Screening Model (Hands on Training)               |
| 03:00 - 04:30 PM         | Systematic review & Meta-analysis (Hands on training)            |
| DAY 3 Sun (25 Feb, 2024) |  |
| 09:30 - 12:00 PM         | <i>In vitro</i> Cytotoxicity of Herbal drugs (Hands on training) |
| 12:00 - 01:30 PM         | Valedictory session  |

# ORGANIZING COMMITTEE

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**JANAB HAMMAD AHMAD**  
CHANCELLOR  
JAMIA HAMDARD

## Patron



**PROF M AFSHAR ALAM**  
VICE CHANCELLOR  
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## Organizing Chairman



**PROF ASIM ALI KHAN**  
Dean, SUMER, Jamia Hamdard

## Organizing Co-Chairman



**PROF FARHAN JALEES AHMAD**  
Dean, SPER, Jamia Hamdard

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**Prof Anwar Hussain Khan**  
SUMER, Jamia Hamdard



**Dr Mohammad Ahmed Khan**  
SPER, Jamia Hamdard



**Dr Rabea Parveen**  
SPER, Jamia Hamdard



**Dr Bushra Parveen**  
SPER, Jamia Hamdard

## Organizing Secretary



**PROF SAYEED AHMAD**  
Director, Centre of Excellence in Unani Medicine  
(Pharmacognosy & Pharmacology)  
BNPL, SPER  
Head, Department of Food Technology, SIST  
Jamia Hamdard

# SPEAKERS



**Dr Marco Leonti**  
Italy



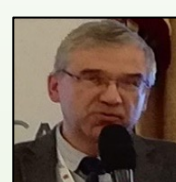
**Dr Liaquat Ali**  
Bangladesh



**Dr CK Katiyar**  
Advisor, Emami



**Dr Pulok K Mukherjee**  
IBSD, Imphal



**Dr Alexander Shikov**  
Russia



**Dr Dilip Ghosh**  
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**Dr Ikhlas A Khan**  
USA



**Dr SC Bachar**  
Bangladesh



**Dr Amit Aggarwal**  
Natural Remedies



**Dr Deepika Gunawant**  
Max Hospital, New Delhi



**Dr N Srikanth**  
CCRAS



**Dr Sanjay Tamoli**  
Tulip Lab



**Dr Arun Gupta**  
AyuSwasth



**Dr Badrinarayan**  
Dabur India



**Dr Neeraj Tandon**  
ICMR, New Delhi



**Dr K Mruthunjaya**  
JSS Mysore



**Dr L Satyanarayan**  
PCP, Pune



**Dr Prakash Itankar**  
Nagpur University



**Dr BC Das**  
Amity, Noida



**Dr Mohd Aslam**  
DBT, New Delhi



**Dr DP Chattopadhyay**  
Kolkata



**Dr Abdul Wadud**  
NIUM, Bengaluru



**Dr Raghavendar M**  
Dr Reddy's ILS



**Abdul Wahid Khan**  
BIS, Noida



**Dr Imtiaz Hassan**  
JMI, New Delhi



**Dr S Shakir Jamil**  
JH, New Delhi



**Dr Mohammed Idris**  
AUTC, New Delhi



**Dr Abdur Rauf**  
AMU, Aligarh



**Dr Gulamuddin Sofi**  
NIUM, Bengaluru



**Dr M Zulkifle**  
NIUM, Bengaluru



**Dr Younis Munshi**  
NRIUM, Hyderabad

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- Dr Abdul Rauf, AMU, Aligarh
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- Dr Tanuja Nesri, AIIA, Delhi
- Dr TK Mukherjee, SFE, Kolkata
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- Dr Zillur Rahman, AMU, Aligarh
- Dr Zubair Ahmad, AKTC, Delhi



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Dr Yasheshwar, DU

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Dr Shaququzzaman, SPER  
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Dr Jalaluddin, SPER  
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Mr Mirza Rahil Baig, JH

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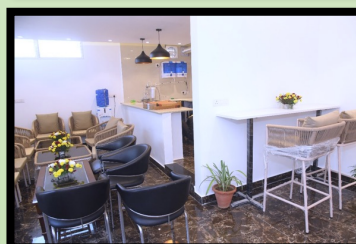
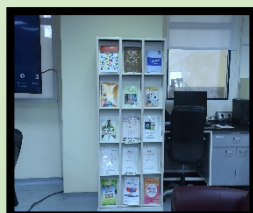
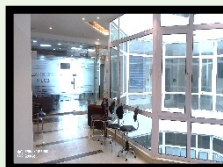
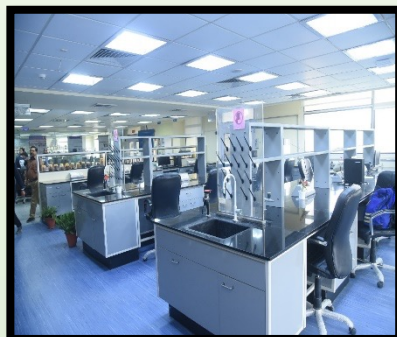
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